COURSE CATALOG
2018-2019
# TABLE OF CONTENTS

**GENERAL INFO** ............................................................... 1-5
- Contacts .............................................................................. 2
- Prerequisites ....................................................................... 3
- Credits ................................................................................ 3
- Grading System .................................................................... 3
- High School Honors and Advanced Placement Courses .......... 3-4
- Deadline for Dropping Courses ......................................... 4
- Schedule Changes .................................................................. 4
- Internship Program ............................................................ 4
- Concurrent College Courses (Advanced Education) .............. 5
- Graduation Alternatives .................................................... 5-6
- The California High School Proficiency Exam (CHSPE) ............ 6

**COURSE CATALOGUE DESCRIPTIONS** .............................. 6-22
- Humanities (Social Studies & English) ................................. 6-9
- Mathematics ......................................................................... 9-11
- Science ................................................................................. 12-13
- Physical Education .............................................................. 13-15
- Foreign Language ............................................................... 15-16
- Visual & Performing Arts .................................................... 16-18
- Additional Electives ............................................................ 18-22

**PLANNING RESOURCES** .................................................. 23-40
- Counseling Services .......................................................... 23
- How to Select Classes ........................................................ 24
- Da Vinci High School Four Year Plan ................................... 25
- Course Selection Guidelines .............................................. 26
- Common Core Math Course Implementation ....................... 27
- High School Graduation & Minimum UC/CSU Admission Requirements ................................................................. 28
- Sports Participation ............................................................ 29
- College and Career Planning ............................................. 30-39
- Wellness Resources ............................................................ 40
- DVCA Campus Maps .......................................................... 41
Contact Us

Da Vinci Charter Academy (High School)
1400 E. 8th ST
Davis, CA 95616
Phone: 530.757.7154
Fax: 530.759.2178

Da Vinci Charter Academy (Jr. High)
2121 Calaveras Ave.
Davis, CA 95616
Phone: (530) 759-1615
Fax: (530) 759-1619
Website: www.davincicharteracademy.net

Administrative Team
Mr. Tyler Millsap, Principal
Mr. Scott Bell, Senior High Vice-Principal
Ms. Annie Nelson, Junior High Vice-Principal
Ms. Adela Johnson, Site Administrative Secretary

Counselors
10 - 12th Ms. Nicole Roper (A-J) nchiamparino@djusd.net
10 - 12th Ms. Erika Strand (L-Z) estrand@djusd.net
7 - 9th Ms. Kala Ebbe, kebbe@djusd.net

All staff members can be reached by email. Use the first initial and last name (for example, ajohnson@djusd.net). See the "DVCA Contacts" webpage for details:
http://www.davincicharteracademy.net/contact

The Davis Joint Unified School District does not discriminate on the basis of age, sex, sexual orientation, gender, ethnic group identification, race, ancestry, national origin, religion, color, or mental or physical disability.
Da Vinci Charter Academy

| Prerequisites | Most science, math, music, and language classes require prerequisites. They may include:  
|               | • Audition  
|               | • Grade requirement  
|               | • GPA requirement  
|               | • Completed course requirement  
|               | Students are placed for fall classes based on their first semester grades the preceding year. Final eligibility is determined after spring semester and summer school grades are posted. Students who do not meet eligibility may be asked to repeat the prerequisite with an improved grade, or select a different available elective option.  
|               | Appeal of Prerequisites: Students who do not meet recommended course prerequisites may appeal the requirements. Forms are available in the Office and must be completed. |
| Credits       | • 5 semester credits are earned for passing each semester course.  
|               | • No credit is earned for courses in which an F grade is received.  
|               | • Students are expected to make up all F grades in subject requirements as soon as is practical.  
|               | • If a student is short 10 credits at the end of the senior year, he/she will have until the end of summer school to make up the deficit. |
| Grading System| Weighted grades: Honors courses underlined on the UC/CSU course list taken in grades 10-12 are given an additional grade point. This is called a "weighted" grade. For example, in calculating the student's grade point average from a weighted class, an A would earn 5 points instead of 4; B would earn 4 points instead of 3; C would earn 3 points instead of 2. D grades are not weighted.  
|               | Grades of "pass" may be given in Physical Education, Internship, or Teaching Assistant. All other courses assign letter grades of A, B, C, D, or F. Semester grades of Pass, A, B, C, or D earn 5 credits. Grades of F do not carry credit. |
| High School Honors & Advanced Placement Courses | American Literature Honors P  
|               | Physics Honors P  
|               | AP Spanish 5  
|               | Spanish 4 Honors P  
|               | AP Calculus AB  
|               | AP Statistics  
|               | AP Studio Art  
|               | Our curriculum is not focused on AP courses because emphasis is placed on heterogeneous grouping and differentiated curriculum to support all students in reaching their potential. Depending on availability in their schedule, it is sometimes possible for a Da Vinci student to take additional Honors or AP courses through concurrent enrollment at Davis Senior High School. Because the English/Social Studies core is the cornerstone of our Project Based Learning curriculum, AP courses in those areas are not available. However, an American Literature Honors P class is offered in 11th grade. |
An Advanced Placement (AP) Course is a special college level learning experience. It is challenging and thought provoking, and often takes more time, requires more work, and goes into greater depth than other high school courses.

Students will be required to sign contracts acknowledging receipt of thorough descriptions of course demands and time commitments. See your counselor for details.

Advanced Placement Examinations (a program of the College Entrance Exam Board) are given each May at Da Vinci Charter Academy High School and at Davis Senior High School to students who wish to take them. Exams are given in 23 subject areas and are also open to those students who have not been enrolled in AP courses. Most colleges and universities will accept AP Examination grades for credit and/or advanced placement. The cost for each examination is $90.00. However, some students who plan to take the AP exam may be eligible to participate in the AP Test Fee Payment Program. See your counselor for more information about this program.

### Deadline for Dropping Courses

- All students, grades 7-12, enrolling in the fall will be expected to complete the fall semester.
- A student may drop a course during the first three weeks of the semester without any entry on a transcript.
- A student who drops a course after the first three weeks of the semester shall receive an F grade on a transcript, unless otherwise decided by the principal or designee because of a serious medical condition.
- Core classes may not be dropped.
- Changes require a schedule change request form; these are available in the office. Due to limitations in the master schedule, changes are not guaranteed. Submit a schedule change request form to the school counselor.
- Students taking DHS courses may not drop a yearlong course at the semester.

### Schedule Changes

Changes requested after the Course Request Sheet has been submitted and within the first three weeks of fall semester will be considered only for the following reasons:

- Senior needs to make up deficient graduation credits.
- Student received a D or F grade and needs to repeat the class for high school graduation requirements or to improve GPA for college eligibility requirements.
- Student is in the incorrect course level.
- Course requested will not be offered due to budgetary restraints or low class size.
- Student lacks prerequisite for the class.

### Internship Program

Our Internship Program not only allows students the chance to experience the work world, but it also provides an opportunity for Da Vinci to make strong connections with the Davis business community and UC Davis. Many Davis businesses and non-profits have already welcomed and mentored many Da Vinci students through this program, and we are looking for more ways to strengthen these relationships. Community members and business owners interested in hosting Da Vinci interns should contact the Internship Specialist for more information at (530) 757-7154.
### Concurrent College Courses (Advanced Education)

High school students 16 or older may enroll in college level classes offered by Sacramento City College. They are called "Advanced Education" students. Some courses have been offered on the Da Vinci high school campus.

Over 30 college level classes are offered each semester. There is no tuition cost for these classes, but books are not free. There is a GPA requirement of 2.7. Courses may also be taken at other area community colleges. See your counselor for more information.

Visit [http://www.losrios.edu](http://www.losrios.edu) for information on class schedules.

A semester or quarter college course will be given 10 semester credits if the course is needed for graduation or to meet minimum UC/CSU "A-G" requirements. The student will have a separate college transcript. Students applying to UC/CSU will earn a weighted grade X2.

Students are concurrently enrolled in two institutions and must abide by the rules of both. Since they are full-time high school students and this is their primary school, students must choose college classes around the DVHS class schedule and school calendar. They must maintain a minimum of five classes at DVHS.

### Accelerated College Entrance (ACE)

The Accelerated College Entrance (ACE) Center allows qualified high school students to enroll in classes at California State University, Sacramento (CSUS) and earn university credits while completing regular school studies.

Through the ACE Center, advanced high school students can study subject matter which may not otherwise be available to them. Qualified students may take courses at Sac State provided they maintain good academic standing with both the University and their high schools. Credits earned while participating in ACE may be applied to degree programs at CSUS or may be transferred to other universities. See your counselor and visit [www.edwed.csus.edu/projects/ace](http://www.edwed.csus.edu/projects/ace). Tuition is $20.00 per semester, plus additional costs for textbooks, class fees and supplies.

### Concurrent Enrollment- UCD Open Campus

High school juniors and seniors with the necessary prerequisites may participate in most regular courses, when space is available.

More information is available from your counselor or from the University Extension Office, 1333 Research Park Drive, U.C. Davis. Fees are computed individually by course according to the number of units offered. See: [www.extension.ucdavis.edu/opencampus](http://www.extension.ucdavis.edu/opencampus)

This program provides an opportunity for students to earn college credits while still in high school. It also provides an opportunity to take advanced courses beyond what is available in the high school program. See your counselor for more information.

### Graduation Alternatives

- DJUSD offers educational alternatives for students.
  - Martin Luther King High School (age 16 and over)
  - Davis School for Independent Study
  - Home Teaching Authorized by a Physician
CHSPE is a testing program established by California law (Education Code Section 48412). Students who are 16 years of age or have completed 10th grade are eligible to take the test, you can earn the legal equivalent of a high school diploma by passing the CHSPE. The CHSPE consists of two sections: an English-language Arts section and a Mathematics section. The California State Board of Education grants a Certificate of Proficiency to all students who pass both sections of the CHSPE which by state law is equivalent to a high school diploma (although not equivalent to completing all coursework required for regular graduation from high school). All persons and institutions subject to California law that require a high school diploma for any purpose must accept the certificate as satisfying the requirement. Institutions outside of California are not required to accept this test. The test is given three times per year for $110. Students may register online: www.chspe.net/registration/

**COURSE CATALOG DESCRIPTIONS 2018-2019**

**HUMANITIES**

To enhance learning, rigor and relevance at Da Vinci, English and Social Studies are combined. All students are required to complete a variety of research-based activities. Examples include, but are not limited to, panel presentations, persuasive speeches, mock trials, museum creation, and documentary production. Following the Da Vinci project-based learning model, projects will be linked between the two courses and students will earn a combined grade for both History and English. The exception to this is the 9th grade humanities curriculum.

**World Studies - 7th**

Grade Level: 7  
Course Codes:  
Z65700 (Social Studies)  
Z20710 (English)  
1 year: 10 credits

**SOCIAL STUDIES 7**

The 7th grade social studies course is a continuation of 6th grade World History and links to the 9th and 10th grade courses dealing with world cultures and modern world history. After reviewing the ancient world, students will study the history and geography of medieval societies that were developing concurrently throughout the world. Students study the social, cultural, and technological changes that occurred in Europe, Africa, Asia, and the Americas from approximately A.D. 500 to 1700. They examine the growing economic interaction among societies as well as the exchange of ideas, beliefs, technologies, and commodities.

**ENGLISH LITERATURE AND WRITING 7**

Literature and Writing is a comprehensive language arts program, which focuses on the Common Core State Standards in reading, writing, speaking, listening, and language skills in conjunction with 7th grade history. Students are also expected to read widely in both fiction and non-fiction works. In the writing process, seventh graders work to develop written fluency, to extend sentence, paragraph and composition skills, and to sharpen their usage and knowledge of English grammar and mechanics. Students will also be conducting research and giving oral presentations.
<table>
<thead>
<tr>
<th>American Studies - 8th</th>
<th>UNITED STATES HISTORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 8</td>
<td>The required 8th grade course combines the study of U.S. history,</td>
</tr>
<tr>
<td>Course Codes:</td>
<td>geography and government. It emphasizes the time period from 1775 to</td>
</tr>
<tr>
<td>Z65800 (US History)</td>
<td>1877. Critical thinking and group participation skills are developed within</td>
</tr>
<tr>
<td>Z20800 (English)</td>
<td>the context of the course.</td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Program - 9th</th>
<th>WORLD GEOGRAPHY 9 P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses are not</td>
<td>World Geography 9 P is a semester course that approaches world cultures</td>
</tr>
<tr>
<td>integrated in 9th</td>
<td>and regions from a geographical perspective. The course focuses on the</td>
</tr>
<tr>
<td>grade curriculum.</td>
<td>fundamentals of physical and human geography. Selected world regions are</td>
</tr>
<tr>
<td></td>
<td>studied with an emphasis on increased understanding of geographic</td>
</tr>
<tr>
<td></td>
<td>concepts. Current world issues, such as population, conflicts, and resource</td>
</tr>
<tr>
<td></td>
<td>depletion, are stressed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WORLD GEOGRAPHY 9 P</th>
<th>ENGLISH 9 P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 9</td>
<td>English 9 is a yearlong college preparation course, focuses on the Common</td>
</tr>
<tr>
<td>Course Code: Z65900</td>
<td>Core State Standards in reading, writing, speaking, listening, and language</td>
</tr>
<tr>
<td>1 semester: 5 credits</td>
<td>skills using standards-based materials. In literature study, students explore</td>
</tr>
<tr>
<td>Prerequisite: Freshman</td>
<td>novels, short stories, workplace documents, and poetry. Core works include</td>
</tr>
<tr>
<td>standing</td>
<td>To Kill a Mockingbird, Romeo and Juliet and additional teacher selected</td>
</tr>
<tr>
<td>UC/CSU Approved: a</td>
<td>works. Students are also expected to read widely in both fiction and non-</td>
</tr>
<tr>
<td></td>
<td>fiction works, and to maintain a reading record. In the writing process, ninth</td>
</tr>
<tr>
<td></td>
<td>graders work to develop a focused essay that establishes a controlling</td>
</tr>
<tr>
<td></td>
<td>theme, demonstrates ideas with evidence and examples, and ends with a</td>
</tr>
<tr>
<td></td>
<td>conclusion that reflects key points and a main idea. Students will also learn</td>
</tr>
<tr>
<td></td>
<td>and practice revision, editing and citation skills using MLA format.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>World Studies - 10th grade</th>
<th>MODERN WORLD CIVILIZATION P</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODERN WORLD CIVILIZATION</td>
<td>Using project-based learning, this course examines the major turning</td>
</tr>
<tr>
<td>P</td>
<td>points that have shaped the world from the time of Ancient Greece to</td>
</tr>
<tr>
<td>Grade Level: 10</td>
<td>the present. It is designed to meet the abilities of college bound</td>
</tr>
<tr>
<td>Course Code: Z66500</td>
<td>sophomores with an emphasis on research, analysis and critical</td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td>thinking. All students are required to complete a social studies research</td>
</tr>
<tr>
<td>Prerequisites: Sophomore</td>
<td>paper. Nightly homework is expected within DJUSD’s Homework Policy.</td>
</tr>
<tr>
<td>standing</td>
<td>Long-term projects combined with English 10, as assigned, will require</td>
</tr>
<tr>
<td>UC/CSU Approved: a</td>
<td>additional planning and research. Students are expected to utilize</td>
</tr>
<tr>
<td></td>
<td>effective time management skills to keep pace with the course.</td>
</tr>
<tr>
<td>ENGLISH 10 P</td>
<td>ENGLISH 10 P</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| Grade Level: 10  
Course Code: Z21100  
1 year: 10 credits  
Prerequisite: Sophomore standing  
UC/CSU Approved: b | English 10, a yearlong college preparation course, combines the study of international literature with history and project-based learning. Students write regularly in a variety of modes. The course emphasizes extensive reading with an emphasis on college preparatory writing and critical and expository essays. Vocabulary development and grammar skills will be addressed. |

<table>
<thead>
<tr>
<th>American Studies-11th</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODERN US HISTORY P</td>
</tr>
<tr>
<td>Grade Level: 10</td>
</tr>
<tr>
<td>Course Code: Z67100</td>
</tr>
<tr>
<td>1 year: 10 credits</td>
</tr>
<tr>
<td>Prerequisite: Junior standing</td>
</tr>
<tr>
<td>UC/CSU Approved: a</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AMERICAN LITERATURE P</th>
<th>AMERICAN LITERATURE P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 11</td>
<td>American Literature, a core course of the eleventh grade English curriculum, gives the students a solid foundation in the literature of our country. Students study works from various periods of American history. Students develop skills in a variety of writing techniques ranging from personal narrative to critical evaluation and interpretation as well as in listening/speaking. Class activities include lecture/discussion, presentations, projects, video, and current print media. Vocabulary development and grammar skills will also be addressed.</td>
</tr>
<tr>
<td>Course Code: Z21400</td>
<td></td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisite: Junior standing</td>
<td></td>
</tr>
<tr>
<td>UC/CSU Approved: b</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AMERICAN LITERATURE HONORS P</th>
<th>AMERICAN LITERATURE HONORS P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 11</td>
<td>This course is an advanced college-prep course for which students receive weighted grade points. This course is embedded into the regular Modern American Studies course with Honors course students doing additional extensive readings and writings which extend the American Studies projects. In addition to the readings, students write extensive additional analytical essays responding to the literature in the context of the project, and several other writings in different genres. Vocabulary development and grammar skills are also addressed. Students need to have a free 7th to enroll in this course.</td>
</tr>
<tr>
<td>Course Code: Z21530</td>
<td></td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisite: Junior standing and English 10 with an A</td>
<td></td>
</tr>
<tr>
<td>UC/CSU Approved: b</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Political Studies-12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>US GOVERNMENT &amp; POLITICS P</td>
</tr>
<tr>
<td>Grade Level: 12</td>
</tr>
<tr>
<td>Course Code: Z68110</td>
</tr>
<tr>
<td>1 semester: 5 credits</td>
</tr>
<tr>
<td>Prerequisite: Senior standing</td>
</tr>
<tr>
<td>UC/CSU Approved: a</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ECONOMICS P</th>
</tr>
</thead>
</table>
| Grade Level: 12  
Course Code: Z69610  
1 semester: 5 credits  
Prerequisite: Senior-standing  
UC/CSU Approved: a or g | Economics is the study of choice. It involves the processes by which people choose to use scarce resources to produce goods and services. This course will focus on an introduction to economic decision-making. |
### SENIOR WRITING SEMINAR P

**Grade Level:** 12  
**Course Code:** Z24000  
1 year: 10 credits  
Prerequisites: Senior standing  
UC/CSU Approved: b

What it is and how it works. Fundamental analytic concepts and skills, economic institutions and theories, policies and policy alternatives, and international economics will be stressed.

### SENIOR WRITING SEMINAR P

In this year-long college preparatory course, students will read and discuss four classic English-language works, *Freakonomics, Brave New World, 1984*, and various works of Shakespeare. In addition, students will read non-fiction for historical background. The Senior Writing Seminar portion of Political Studies is a challenging course which covers non-fiction writing genres and helps students develop their unique voices as writers. Students prepare for college and the workforce by writing in the following forms: reflection, persuasion and argumentation, comparison/contrast, exposition, analysis, and research. Students are expected to engage in the writing process of drafting and revising while working in small teams. They will work on peer editing and respond to readings while refining grammar, usage, and language skills. Outside reading is required. All students enrolled in fall semester senior English class will write the college personal statement or expository essay.

### MATHEMATICS

#### COMMON CORE MATH 2

**Grade Level:** 7-9  
**Course Code:** Z40760  
1 year: 10 credits  
Prerequisite: none

This class meets 7th grade Common Core mathematics standards. Instruction will focus on four critical areas: 1) develop understanding and applying proportional relationships; 2) mastery of operations with all forms of rational numbers and developing understanding of algebraic expressions and equations; 3) solve problems involving scale, informal geometric constructions, and work with two and three dimensional geometric shapes; and 4) draw inferences about populations based on samples and probability models. Students should have demonstrated strong study skills and the ability to work independently as well as in cooperative learning groups.

#### COMMON CORE MATH 2/3

**Grade Level:** 7  
**Course Code:** Z40770  
1 year: 10 credits  
Prerequisites: a) 6th grade teacher recommendation AND b) Qualifying score on district placement test in 6th grade

This rigorous, compacted course meets both the content and practices of the CA Common Core Standards for grades 7 and 8 (CC Math 2 & CC Math 3). This includes portions of the course previously named Algebra I. Successful completion will prepare students for the CCSS High School Integrated Math I course. Students in this course need to work at an accelerated level: less time and practice to attain mastery of a topic; able to retain prior learning and complete more work in a given period. Some lessons can be combined to cover more material. Students should have demonstrated strong study skills and the ability to work independently as well as in cooperative learning groups.

#### COMMON CORE MATH 3

**Grade Level:** 8-12  
**Course Code:** Z40780  
1 year: 10 credits  
Prerequisites: Common Core 2 with a grade of C or better and teacher recommendation.

This course includes portions of the previous HS Algebra 1 course and meets 8th grade Common Core mathematics standards. Instructional time will focus on four critical areas: 1) writing and solving equations, 2) formulation and reasoning about expressions and equations, including modeling an association in bivariate data with linear equations and systems of linear equations, 3) function concepts and using functions to describe quantitative relationships, 4) analyzing figures in two- and three-dimensional space using distance and angle relationships, similarity, congruence and applying the Pythagorean Theorem.
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTEGRATED MATH 1 P</td>
<td>This course will include studying the concepts found in California Common Core Integrated Mathematics 1. A basic or scientific calculator is recommended. Integrated Math 1 will focus on six critical areas: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of function; (3) extend understanding of linear relationships; (4) apply linear models to data that exhibit a trend; (5) establish criteria for congruence based on rigid motions; and (6) apply the Pythagorean Theorem to the coordinate plane.</td>
</tr>
<tr>
<td>Grade Level: 8-12</td>
<td>Course Code: Z40790</td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td>Prerequisites: Common Core 3 with a grade of C or better and teacher recommendation.</td>
</tr>
<tr>
<td></td>
<td>UC/CSU Approved: c</td>
</tr>
</tbody>
</table>

| INTEGRATED MATH 2 P | This course will include studying the concepts found in the California Common Core Standards for Integrated Mathematics 2. Graphing calculators will be used extensively, and it is strongly recommended that students have their own. Topics include quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships. Integrated Math 2 will focus on six critical areas: (1) develop an understanding of complex number systems; (2) extend and understand quadratic functions and its models; (3) create and solve equations, inequalities, and systems of equations involving exponential and quadratic expressions; (4) compute and interpret theoretical and experimental probabilities; (5) understand similarity of triangles, use similarity to solve problems and explore a variety of formats for writing geometric proofs; and (6) apply properties and prove basic theorems about circles. |
| Grade Level: 8-12  | Course Code: Z40795                                                                    |
| 1 year: 10 credits | Prerequisites: Integrated Math 1 with a grade of C or better and teacher recommendation.                                                     |
|                 | UC/CSU Approved: c                                                                     |

| INTEGRATED MATH 3 P | This course will include studying the concepts found in the California Common Core Standards for Integrated Mathematics 3. Graphing calculators will be used extensively in this class; these can be provided for students use if needed. Topics include exponential, radical, polynomial, rational and trigonometric expressions, equations and functions: similarity, right triangles, and trigonometry; modeling with geometry; probability and inferential statistics. |
| Grade Level: 10-12 | Course Code: Z40797                                                                    |
| 1 year: 10 credits | Prerequisites: Integrated Mathematics 2 with a grade of C or better and teacher recommendation.                                          |
|                 | UC/CSU Approved: c                                                                     |

| INTEGRATED MATH 3 ACCELERATED P | This is an intensive, accelerated course intended for strong math students who want to take Calculus in high school. This course will include studying the concepts found in the California Common Core Standards for Integrated Mathematics 3 and most of the concepts found in the PreCalculus course. The subsequent course is AP Calculus AB. Graphing calculators will be used extensively in this class; these can be provided for students use if needed. Topics include exponential, radical, polynomial, rational, logarithmic and trigonometric expressions, equations and functions; inverse functions; similarity, right triangles and trigonometry; trigonometric functions and inverse trigonometric functions and their graphs; modeling with geometry; average rate of change and difference quotient; limits and continuity of functions; probability and inferential statistics. Integrated Mathematics 3 Accelerated will focus on five critical areas:  
| • apply methods from probability and statistics to draw inferences and conclusions from data;  
<p>| • expand understanding of functions to include polynomial, rational, and radical functions, and inverse functions; |
| Grade Level: 10-12 | Course Code: Z40798                                                                    |
| 1 year: 10 credits | Prerequisites: Integrated Mathematics 2 with a grade of A and teacher recommendation.                                                      |
|                 | UC/CSU Approved: c                                                                     |</p>
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRECALCULUS P</td>
<td>The department strongly advises that any student expecting to study university calculus take this course. The course will include studying the concepts found in the California Mathematics Content Standards for Mathematical Analysis. These include: extend the depth of knowledge of polynomial, exponential, logarithmic, circular and trigonometric functions and their graphs; demonstrate how real and complex numbers are related both arithmetically and graphically; apply polar coordinates and vectors in the plane; solve problems using vector concepts; extend the understanding of the arithmetic fundamental counting principles to compute combinations and permutations; know the binomial theorem and use it to expand binomial expressions; develop an understanding of functions and equations defined parametrically and can graph them; become familiar with the notion of the limit of a sequence and the limit of a function as the independent variable approaches a number or infinity; give proofs using the technique of mathematical induction.</td>
</tr>
<tr>
<td>AP CALCULUS AB P</td>
<td>This course includes all the topics included in the College Board AP (Advanced Placement) Calculus AB course description. The content is comparable to the material typically covered in the first two quarters of a college calculus series. The goals of the course include students being able to (i) work with functions represented in a variety of ways (graphical, numerical, analytical or verbal), (ii) understand the meaning of the derivative in terms of a rate of change and should be able to use derivaives to solve a variety of problems, (iii) understand the meaning of the definite integral and should be able to use integrals to solve a variety of problems, (iv) communicate mathematics both orally and in well-written sentences, (v) model a written description of a physical situation with a function, a differential equation or an integral, (vi) use technology to help solve problems, experiment, interpret results, and verify conclusions, (vii) determine the reasonableness of solutions.</td>
</tr>
<tr>
<td>AP STATISTICS P</td>
<td>This course is organized around the exploration of four statistical activities: Exploring Data (Which cereals are the healthiest?), Sampling Experimentation (Planning and conducting a study), Anticipating Patterns (Exploring random phenomena using probability and simulation), and Statistical inference (Estimating population parameters and testing hypotheses). The course makes extensive use of projects to explore and extend the ideas under study, and emphasize the application of statistical concepts in everyday situations. Students in this course may elect to take The College Board AP (Advanced Placement) Statistics exam given in May, or they might just want a better understanding of statistics and its applications. A graphing calculator is required.</td>
</tr>
</tbody>
</table>
## SCIENCE

### SCIENCE 7
Grade Level: 7  
Course Code: Z55700  
1 year required  
Prerequisites: None

Science 7 is a yearlong general science course that integrates various fields of science including chemistry, geology, cell biology, and ecology. It is intended to provide a broad understanding of science and engineering practices, cross-cutting concepts, and core ideas identified in the Next Generation Science Standards through Project Based Learning, inquiry based laboratory investigations and observations, class discussions, reading and writing assignments. The course develops an understanding of the scientific principles that underlie our lives in the universe.

### SCIENCE 8
Grade Level: 8  
Course Code: Z55810  
1 year required  
Prerequisites: None

This is a one-year integrated life and physical science course. Topics include earth, moon and sun system, waves, natural selection, inheritance in addition to motion and forces. Students will learn the science content through Project Based Learning, laboratory investigations, lectures, class discussions, and reading and writing assignments.

### BIOLOGY P
Grade Level: 9-12  
Course Code: Z56100  
1 year: 10 credits  
Prerequisites: required for grade 9 at DVCA JH  
UC/CSU Approved: d (life science)

Biology is a one-year, laboratory science course designed to provide an introduction to the biological sciences. Topics include cell biology, principles of genetics, evolution, ecology and some physiology. The science content is taught through Project Based Learning, laboratory investigations, lectures, class discussions, readings and related assignments. Students will develop research skills, conduct experiments and analyze results to draw conclusions. This course serves as a prerequisite for advanced life science courses.

### PHYSIOLOGY AND ANATOMY P
Grade Level: 10-12  
Course Code: Z56600  
1 year: 10 credits  
Prerequisites: Biology with a grade of C or better.  
UC/CSU Approved: d (life science)

This course involves the detailed study of all human body systems and how they work together. Course work consists of lectures demonstrations, labs including microscope work and dissections, and an individual research assignment. Memorization of many terms will be required. This course is recommended for capable students interested in scientific and health related fields and those interested in a deeper understanding of the functions and dysfunctions of the human body.

### ZOOLOGY AND BOTANY P
Grade Level: 10-12  
Course Code: Z56350  
1 year required: 10 credits  
Prerequisites: Biology with a grade of C or better  
UC/CSU Approved: d (life science)

This course offers classical exploration of plants and animals. The first 2/3 of the year is devoted to zoology, with emphasis on the diversity, morphology, ecology, and reproduction of invertebrates. The animal kingdom is studied in survey style, including detailed study of sponges, cnidarians, worms, mollusks, arthropods, echinoderms, and chordates. The course includes numerous dissections, microscope labs, and live animal activities. Assignments include a bioassessment which involves multiple field trips to local Davis ponds, a parasite podcast, and an eco-tourism project on the Great Barrier Reef. The botany portion of the course emphasizes the diversity of higher plants as well as the anatomy of flowering plants. Specific botany projects include a leaf collection, a fruit and flower dissection and grafting, and a small garden. Also included in the course is an optional 3-day field trip to Catalina Island Marine Institute in the spring semester.
<table>
<thead>
<tr>
<th>PHYSICS P</th>
<th>Designed for the college-bound student, this project-based physics course emphasizes the areas of Newtonian Mechanics, Waves, Energy and Electricity/Magnetism. Laboratory experience and mathematical problem solving are a significant part of the course work. This course covers mostly the same concepts as Physics Honors P but places a greater emphasis on conceptual understanding and less emphasis on mathematical problem-solving.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Code: Z62000</td>
<td></td>
</tr>
<tr>
<td>1 year required: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Completion of Integrated Math 1 with a grade of B or better, and approval of current mathematics teacher.</td>
<td></td>
</tr>
<tr>
<td>UC/CSU Approved: d (physical science)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSICS HONORS P</th>
<th>This project-based course is designed for the college-bound student who will be specializing in the sciences, mathematics, engineering, or technology. This rigorous course emphasizes the following areas: Newtonian Mechanics, Waves, Energy and Electricity/Magnetism. Compared to Physics P, this course places a much greater emphasis on mathematical problem solving; students should have excellent mathematical skills. Laboratory experience is a significant part of the course work. Students should expect between 30 minutes and 1 hour of homework per night.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Code: Z62100</td>
<td></td>
</tr>
<tr>
<td>1 year required: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Integrated Math 2 with a B or better</td>
<td></td>
</tr>
<tr>
<td>UC/CSU Approved: d (physical science)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CHEMISTRY P</th>
<th>This is a demanding project-based course for college-bound students and involves considerable applied math and laboratory work. This course covers all Common Core Chemistry Standards. Quantitative problem solving and real-world applications are both a large portion of the course. Projects include water quality investigation of several local ponds, producing a Mythbusters episode, and biodiesel.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Code: Z61500</td>
<td></td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Completion of Integrated 1. Grade of B or higher strongly recommended.</td>
<td></td>
</tr>
<tr>
<td>UC/CSU Approved: d (physical science)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENVIRONMENTAL SCIENCE P</th>
<th>This course provides students with a foundation of understanding, knowledge and skills to deal effectively with environmental problems. Students learn a variety of basic laboratory and field techniques including specimen sampling and processing, site monitoring, documentation, inspection and emergency response. When possible, students have the opportunity to work with or consult with experts in various environmental fields. The course incorporates both academic and applied studies. Fieldwork in the local area watershed as well as in mudflats and tide pools is an integral part of our studies. An emphasis is placed on students using critical thinking and analytical skills to make positive impact on the environment. Students will have opportunities for individual agricultural projects.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Code: Z56400</td>
<td></td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Completion of Biology.</td>
<td></td>
</tr>
<tr>
<td>UC/CSU Approved: d (physical science)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSICAL EDUCATION</th>
<th>PHYSICAL EDUCATION 7</th>
<th>Meeting Challenges and Making Decisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 7</td>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Code: Z50700</td>
<td>Course Code: Z62100</td>
<td></td>
</tr>
<tr>
<td>1 year required: 10 credits</td>
<td>1 year required: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: none</td>
<td>Prerequisites: Completion of Integrated Math 2 with a B or better</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UC/CSU Approved: d (physical science)</td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | |
| | | |
| | | 13 |</p>
<table>
<thead>
<tr>
<th>PHYSICAL EDUCATION 8</th>
<th>Working as a Team to Solve Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 8</td>
<td>At this stage, students are able to focus on a common group or team goal over the long term, working together to solve problems during group activities. The emphasis in 8th grade physical education moves toward team sports, including defensive and offensive strategies. Students are encouraged to continue participation in group activities because all aspects of their personal development, both physical and mental, are still evolving. Typical activities may include volleyball, football, basketball, mission impossible, lacrosse, soccer, team handball, field hockey, American dances, track and field, and ultimate frisbee.</td>
</tr>
<tr>
<td>Course Code: Z50800</td>
<td></td>
</tr>
<tr>
<td>1 year required: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: none</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSICAL EDUCATION 9</th>
<th>Developing a Personalized Fitness Program for a Healthy Lifestyle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 9</td>
<td>This is a stage at which students are able to synthesize much of what they have learned in the earlier grades, including knowledge of human growth, development, and physiology. Individuals are able to join together as a team and focus on the needs and contributions of other team members beyond themselves. Affiliation, a feeling of being connected and involved, is of primary importance to ninth graders.</td>
</tr>
<tr>
<td>Course Code: Z50900</td>
<td>Students develop a willingness to acknowledge and respect stylistic differences, gain an appreciation of others' achievements no matter how large or small, and to expand their ability to adapt to the needs of the group and demonstrate fairness toward all.</td>
</tr>
<tr>
<td>1 year required: 10 credits</td>
<td>Typical activities may include gymnastics, multicultural games, tennis, weight training, golf, badminton, softball, aerobics, bowling, swing dances, and track and field. All students in the 9th grade take the California Physical Fitness Test (PFT).</td>
</tr>
<tr>
<td>Prerequisites: none</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSICAL EDUCATION</th>
<th>Course content in Physical Education classes will be delivered through project-based learning experiences. California State Standards will be satisfied.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 10-12</td>
<td>Content areas include:</td>
</tr>
<tr>
<td>Course Code: Z50000</td>
<td>• movement skills and movement knowledge</td>
</tr>
<tr>
<td>1 year required: 10 credits</td>
<td>• physical fitness and personal development</td>
</tr>
<tr>
<td></td>
<td>• personal and social responsibility.</td>
</tr>
<tr>
<td></td>
<td>Students who have not passed 5 of the 6 physical fitness tests in 9th grade must enroll in a yearlong physical education course as a 10th grader. Students must complete two years of physical education in grades 9-12.</td>
</tr>
</tbody>
</table>

| INDEPENDENT STUDIES PE | This course is designed to meet the requirements of a High School Physical Education class and allow DVCA athletes the opportunity to earn graduation credit for PE while participating in their DSHS sport. This |
Course Codes:
Z51810 (fall)
Z52810 (spring)

course has an independent learning environment and takes complete
student self-responsibility to be successful.

To qualify, student must:
- Be on a CIF/DSHS sports team
- Be in grades 10-12
- Have passed 5 of 6 basic competencies in state physical fitness
tests in 9th grade.
- Submit completed ILS Application with course request sheet or to
DVCA main office, Attention: Independent P.E. Instructor
- Must sign up for ILS Period 7
- Agree to attend all sports team practices/competitions/events as
assigned by the coach and turn in all assignments on time as
required by the Independent P.E. instructor

FOREIGN LANGUAGE

Da Vinci students may co-enroll at Davis Senior High School for Japanese, Chinese, German or French (French may be available at Emerson Junior High in grades 7-9). Da Vinci students enrolled concurrently in these world languages may not be able to take the second year of language in sequence, due to scheduling constraints.

Level 1 Spanish has no prerequisites. Level 2 courses and above require the prerequisite listed below. It is recommended that students have a B or better in the preceding language course before going on to levels 3-6. Students with previous Spanish experience may take a proficiency exam to determine appropriate placement in classes. Speak to a Spanish teacher for further information. Da Vinci Junior High School students may co-enroll in Emerson Junior High School courses.

**SPANISH 1 P**

Grade Level: 7-12
Course Code: Z29100
1 year: 10 credits
Prerequisites: Proficiency Level
Elementary 1 ACTFL Novice Low—Mid
UC/CSU Approved: e

Students learn to speak, read and write elementary Spanish and use their skills in a wide variety of activities. They will acquire an appreciation of various aspects of culture in Spanish-speaking countries. Class participation is emphasized for skill mastery.

**SPANISH 2 P**

Grade Level: 7-12
Course Code: Z29200
1 year: 10 credits
Prerequisite: Successful completion of Spanish 1 course with a C or better
UC/CSU Approved: e

Students continue to speak, read and write elementary Spanish. Students further develop their grammar, vocabulary and listening skills. They also will learn more specific aspects about the Spanish and Latin American Culture. The culture of Spanish speaking countries is emphasized through short literary selections and cultural projects that are relevant to the themes studied in their textbooks. Examinations are comprehensive and include a balance of grammar, vocabulary, writing and reading.

**SPANISH 3 P**

Grade Level: 7-12
Course Code: Z29300
1 year: 10 credits

This course will introduce a vast number of new grammar concepts. Students will continue to develop listening, reading, writing and speaking skills. The culture of Spanish speaking countries is emphasized through short literary selections and cultural projects that are relevant to the themes studied in their
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
</table>
| **SPANISH 4 HONORS P**                      | Grade Level: 7-12  
Course Code: Z29450  
1 year: 10 credits  
Prerequisite: Successful completion of Spanish 3 course with a grade of C or better  
UC/CSU Approved: e  
This course provides a survey of Spanish history and culture and familiarizes students with works of major writers and topics in Hispanic culture. On average three or four grammar concepts are covered in each chapter. Students further develop their auditory, speaking, reading and writing skills. This class requires approximately three to four hours of homework per week. |
| **AP SPANISH 5 P**                          | Grade Level: 7-12  
Course Code: Z29500  
1 year: 10 credits  
Prerequisite: Successful completion of Spanish 4 course with a grade of C or better, B recommended  
UC/CSU Approved: e  
The AP Spanish Language course is conducted completely in Spanish and it is designed to help students become proficient in the Spanish language in order to successfully pass the AP Spanish Language Examination. Students broaden their knowledge of literature, grammar, vocabulary and culture. The course is considered rigorous and it expects students to read, write and speak only in the target language. This class requires approximately three to four hours of homework per week. |

<table>
<thead>
<tr>
<th><strong>VISUAL &amp; PERFORMING ARTS</strong></th>
<th></th>
</tr>
</thead>
</table>
| **ART 1 P**                                 | Grade Level: 9  
Course Number: 140000  
1 year: 10 credits  
Prerequisites: None  
UC/CSU Approved: f  
Art 1 is an introductory level Visual Arts course. This is an exploratory art survey course that will feature art-making with various mediums, including but not limited to: pencil, graphite, ink, pastels, watercolor, acrylics and mixed media. An emphasis will be placed upon discovering new techniques to create original works of art with a wide variety of materials. Projects are designed to emphasize the development of a positive, personal attitude towards Art and creative expression. |
| **AP ART HISTORY P**                        | Grade Level: 10-12  
Course Number: Z14670  
1 year: 10 credits  
Prerequisites: None  
UC/CSU Approved: f  
This course introduces world art history, from prehistoric art through the Renaissance and into modern times, through lecture, films, slides, and independent student research. This course prepares students for the Advanced Placement exam. This class this class may include a trip to San Francisco as well as visits to local galleries. |
| **DRAWING & PAINTING P**                    | Grade Level: 10-12  
Course Number: Z14500  
1 year: 10 credits  
Prerequisites: None  
UC/CSU Approved: f  
The purpose of this course is to develop and improve students’ drawing and painting skills through project-based assignments. Starting from basic lines and volumes students create three dimensional illusions by rendering values. Using a variety of media (pencil, color pencils, charcoal, pastels, watercolor and acrylics), students will explore the essentials of representational drawing and painting including |
<table>
<thead>
<tr>
<th>Course</th>
<th>Grade Level</th>
<th>Course Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DRAWING &amp; PAINTING ADVANCED</strong></td>
<td>10-12</td>
<td>Z14600</td>
<td>At the end of this year long course, students will have a body of finished artwork demonstrating mastery of drawing and painting skill using a variety of artistic techniques and media ranging from pencil and charcoal to watercolors and acrylic paints and ceramics. Each assignment teaches a traditional drawing and painting method and gives students the opportunity for individual creativity and problem solving. The assignments relate drawing and painting to contemporary and historical social, economic, religious, and cultural issues. All major assignments are followed by a group critique where students learn and gain practice in speaking about art. There are also some written assignments and research projects.</td>
</tr>
<tr>
<td>Grade Level: 10-12</td>
<td>Course Number: Z14600</td>
<td>1 year: 10 credits</td>
<td>Prerequisites: Drawing and Painting P UC/CSU Approved: f</td>
</tr>
</tbody>
</table>

| **PHOTOGRAPHY P** | 10-12 | Z15230 | This hands-on class is designed to introduce students to both traditional film photography and digital photography. Students will learn many different techniques through instruction & skill practice, exploration, and study of famous photographers. The course will cover use of a 35 mm film camera and basic enlarging techniques in the darkroom. Digital assignments expose students to Photoshop software for editing and graphic manipulations. |
| Grade Level: 10-12 | Course Number: Z15230 | 1 year: 10 credits | Prerequisites: Drawing and Painting P UC/CSU Approved: f |

| **PHOTOGRAPHY ADVANCED** | 10-12 | Z15300 | This is a hands-on course where students learn effective visual communication skills through planning photos, producing photos, viewing photos, and analyzing photos. Advanced Photography takes the skills and knowledge learned in the first year and introduces advanced topics in form, style, experimentation and criticism. Students will refine their processing skills in both film and digital Photography to produce photographic compositions that demonstrate an understanding of light, composition, color and visual impact. |
| Grade Level: 10-12 | Course Number: Z15300 | 1 year: 10 credits | Prerequisites: Photography P UC/CSU Approved: f |

| **STUDIO ART 2-D AP/STUDIO ART DRAWING AP** | 10-12 | Z14655 (Drawing) Z14665 (2-D) | The Advanced Placement Studio Art Program is intended for highly motivated students who are seriously interested in the study of art. Students should know that AP work involves significantly more time than the typical high school Advanced Art course and that the program requires at least one year of portfolio preparation. Students must be able to work independently and be self-directed. Interested students must submit a portfolio of their work for department approval. Studio Art AP can be pursued in drawing and painting, or photography. |
| Grade Level: 10-12 | Course Numbers: Z14655 (Drawing) Z14665 (2-D) | 1 year: 10 credits | Prerequisites: All prior art classes in subject matter need to be taken. Portfolio approval by department. UC/CSU Approved: f |

| **VIDEO & FILMMAKING P** | 10-12 | Z15190 | Learn how to make movies like Hollywood professionals. Video Film introduces students to basic videography, editing, animation, special effects, and classic film review. Students work in small groups to produce short videos for class and public presentation. Essentials include story writing, story-boards, camcorder operation, lighting, digital editing, videography technique, and digital special effects. |
| Grade Level: 10-12 | Course Number: Z15190 | 1 year: 10 credits | Prerequisites: none UC/CSU Approved: f |
| **VIDEO & FILMMAKING/ADVANCED** | Students with experience in filmmaking will direct other students in producing music, drama and experimental videos. Students will also write and direct their own works for submission to various national level film festivals. Students will become proficient in an industry standard editing program. Students will research advanced topics in areas such as story development, motion graphics, camera work, lighting, sound editing, film criticism and history. Students will present their findings to the class and teach their new-found skills. Students will develop a professional portfolio including a resume and a reel of their productions. Students will present their films at the Davis Student Film Festival in the Spring. |
| Grade Level: 10-12 | |
| Course Number: Z15180 | |
| 1 year: 10 credits | |
| Prerequisites: none | |
| UC/CSU Approved: f | |

| **DRAMA P** | This course offers training in basic and intermediate acting techniques, stage movement, vocal projection, characterization and dramatic conflict through active participation in theatre games, improvisation, and scene work. Second semester includes theatre history and acting styles from the Greeks to the twentieth century as well as a variety of theatrical styles from around the world. Students will experience play writing, learn production skills, and perform publicly. Assessment includes class discussions for individual and group evaluation. |
| Grade Level: 10-12 | |
| Course Number: Z24550 | |
| 1 year: 10 credits | |
| Prerequisites: none | |
| UC/CSU Approved: f | |

| **ADVANCED DRAMA P** | Advanced Drama is a comprehensive course which offers the student sophisticated techniques to polish individual acting technique and increase self-awareness. Students will explore dramatic form, study and perform exemplary historic and contemporary dramatic literature, and perform publicly. Students will also complete a technical project, involving a specific aspect of theatrical production. |
| Grade Level: 10-12 | |
| Course Number: Z24550 | |
| 1 year: 10 credits | |
| Prerequisites: none | |
| UC/CSU Approved: f | |

| **MARIACHI BAND** | This is a one-year course designed to assist students with developing and enhancing musicianship skills through the study of music composed expressly for mariachi ensembles. In this setting, the ability to perform on an instrument with considerable technical proficiency and esthetic sensitivity will be emphasized. Students will encounter a wide-range of Mexico’s traditional music that may include bolero, chotis, clasica, corrido, cumbia, huapango, jarabe, poka, ranchera, serenata, son jaliscience, and vals, from the 20th and 21st Centuries. Public performances in the community and at the high school will help facilitate an increase in skill levels and cultural awareness. The method book, Mariachi Mastery, by Dr. Jeff Nevin, may be provided as curriculum. Students are expected to play a mariachi instrument and sing in Spanish. |
| Grade Level: 10-12 | |
| Course Number: Z45500 | |
| 1 year: 10 credits | |
| Prerequisites: consent of instructor | |
| UC/CSU Approved: f | |

| **OTHER MUSIC** | Da Vinci students may co-enroll at Davis Senior High School or Emerson Junior High School for music courses. Some courses may require auditions. Please note that this is not always possible due to scheduling constraints. See your counselor for further information. |

| **ADDITIONAL ELECTIVES** | This course will prepare students for success at Da Vinci Charter Academy by teaching students the following |
| **RESEARCH & COMMUNICATION** | |

18
<table>
<thead>
<tr>
<th>Course</th>
<th>Grade Levels: 7-12; required for new students</th>
<th>Course Number: Z24300 &amp; Z24350</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 year: 10 credits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisites: none</td>
<td></td>
</tr>
</tbody>
</table>

| Course                                      | skills/content: study skills, public speaking, fundamental technological literacy skills, healthy living skills and strategies, the fundamentals of Art, computer applications utilized at DVCA, and effective collaboration and communication skills and strategies. In grade 7, Health is integrated into this course. Fulfills High School graduation requirement if taken in Grades 9-12. Course required for students new to DVCA. |
|--------------------------------------------|-----------------------------------------------|---------------------------------|
| COMPUTER SCIENCE DISCOVERIES               | CS Discoveries is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices. |
| Grade Level: 9                             |                                               |                                 |
| Course Number: Z18630                       | 1 year: 10 credits                            |                                 |
|                                            | Prerequisites: none                            |                                 |
|                                            | UC/CSU Approval: g                             |                                 |

| Course                                      | In this introductory course, students will gain a broad understanding of how to design, code, and test computer algorithms that solve problems. After learning basic computer science concepts such as variables, functions, iteration, branching, data structures and functions, students will apply these concepts to solve interdisciplinary problem sets in a variety of fields. The project based course will be hands on and include significant computer lab time for practice. By the end of the course students will design and code their own algorithms that solve problems in interdisciplinary fields such as science, economics, mathematics, and business. The second half of the course will focus on practical topics in computer science: (1) Data Science, and (2) Web Development. In the Data Science unit, students will learn how to analyze and process a large data set, then present the results in graphs and charts, using modern data visualization techniques. In the Web Development unit, students will learn the basics of full stack web development (connecting a website to a database) techniques used in e-commerce, social media, and interactive news content websites. Articulation agreement with Sac City community college pending. If approved, successful completion of course will earn students college credit. |
|--------------------------------------------|-----------------------------------------------|---------------------------------|
| INTRODUCTION TO CODING AND COMPUTER        |                                               |                                 |
| SCIENCE                                    |                                               |                                 |
| Grade Levels: 10-12                        |                                               |                                 |
| Course Number: Z18750                      | 1 year: 10 credits                            |                                 |
|                                            | Prerequisites: None                            |                                 |
|                                            | UC/CSU Approval G                              |                                 |
### PSYCHOLOGY P

Grade Levels: 10-12  
Course Number: Z69320  
1 year: 10 credits  
Prerequisites: none  
UC/CSU Approved: g

Using extensive class discussion, guest speakers, films, and personal experience, this college prep elective is a wide ranging introduction into why people behave the way that they do. The first semester looks at different theories of psychology and the scientific methods of studying human behavior. The structure and function of parts of the brain and new theories of brain anatomy and psychology are studied. Projects include brain and neuron models, the complexities of human vision and what humans actually see, optical illusions, and how memory affects our understanding of the present and the future.

The second semester includes study of personality and major psychological disorders. Projects include how personality is developed and different theories of personality, different approaches to diagnosis and treatment of mental health disorders, the effects of addiction on human behavior, dream journals and analysis, how humans learn, media and advertising, and theories of social conformity.

This social science course may be used to fulfill the 9th grade requirement, if needed.

### JOURNALISM 1 P

Grade Levels: 10-12  
Course Number: Z23450  
Prerequisites: A minimum of a B grade in previous English classes.  
UC/CSU Approved: g

This rigorous writing course teaches the journalistic style of writing, which emphasizes editing, creating reader interest, accuracy, and objectivity. Students write daily in class and for homework, creating a portfolio that meets the standards of the journalism profession. Students learn how to write for publication in print and online. A research component about issues in journalistic law, history, and ethics is required for successful completion of the course. Students produce a quarterly newspaper, The Vitruvian, maintain the newspaper webpages, and produce the school yearbook.

Note: Journalism 1 is a prerequisite for Journalism 2.

### PUBLICATIONS

Grade Levels: 10-12  
Course Number: Z23460  
Prerequisites: Journalism 1 with a B grade in previous English classes.

This is the second year of journalism. Students research, report on, write, edit, and proofread articles on a broad range of subjects, including those beyond the DV campus. Student editors design the news- paper, webpages, and yearbook, using knowledge of legal and ethical standards to determine and review content. Work is published and available to the public, meeting professional standards of design. (May be repeated for credit.)

### COMMUNITY SERVICE VOLUNTEER

(DV/Children's Center Literacy Project)  
Grade Levels: 10-12  
Course Number: Z76300  
1 year: 10 credits of Practical Art/Career Technical Education  
Prerequisites: none

In this Community Service Class, students read one-on-one with preschool age children in the Children’s Center on the Da Vinci campus. DV students are trained to interact with young children using books based on early-childhood themes, exposing the preschool children to vocabulary and language and helping to foster in them a love of books and reading. Students will learn how to work with young children in the classroom setting as well as how to use the technique of Dialogic Reading to engage young children in conversations about the books they are reading. In addition to practical experience, students will receive instruction on early childhood
<table>
<thead>
<tr>
<th>STUDENT GOVERNMENT</th>
<th>literacy through reading and writing assignments that will incorporate reflection, data collection, and data interpretation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Levels: 10-12</td>
<td>This course in practical government enables the student leaders to develop programs and coordinate school events that best promote the interests and welfare of the student body. Students enrolled in the course will be required to attend events outside of class time such as meetings or dances. Students are required to complete a set number of hours of school service and community service.</td>
</tr>
<tr>
<td>Course Number: Z69400</td>
<td>1 year: 10 credits</td>
</tr>
<tr>
<td>Prerequisites: none</td>
<td>Course curriculum includes goal setting, test preparation, organizational skills, study skills strategies, self-advocacy skills, career exploration, and post-secondary planning. Students work on individual educational goals, transition plans, and when appropriate, participation in IEP process. Students are also offered tutorial assistance with work from other classes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STUDY/TRANSITION SKILLS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 7-12</td>
<td>Course curriculum includes goal setting, test preparation, organizational skills, study skills strategies, self-advocacy skills, career exploration, and post-secondary planning. Students work on individual educational goals, transition plans, and when appropriate, participation in IEP process. Students are also offered tutorial assistance with work from other classes.</td>
</tr>
<tr>
<td>Course Number: ZZ74500</td>
<td></td>
</tr>
<tr>
<td>Graduation Credit: Elective</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Must have RSP teacher and counselor approval. Placement determined by educational team.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>Students will take an integrated approach to health issues, with emphasis on the California State Standards for Health Science: Accepting personal responsibility for health, respecting and promoting the health of others, understanding the process of growth and development, using health-related information, products and services wisely. Current scientific information is presented in an active format throughout all units of study, including nutrition, fitness, prevention and treatment of disease, injury prevention and safety, substance abuse, mental health and healthy relationships. The course includes Red Cross CPR and First Aid instruction and certification. Students in grades 10-12 not completing the course in grade 9 will have an opportunity to take a summer school course.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 9-12</td>
<td></td>
</tr>
<tr>
<td>Course Number: ZZ74500</td>
<td></td>
</tr>
<tr>
<td>Graduation Credit: Elective</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: None</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INTERNSHIP</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Level: 10-12</td>
<td>This course is designed for juniors or seniors interested in experiencing the realities of the work world by completing a 45 hour internship. This experience will help students enhance their resumes, and teach basic responsibilities of real-life jobs. Students will be matched to unpaid internship opportunities based upon their career interests and abilities with the goal of making decisions about college and future career pursuits. Course may be available to sophomores if space warrants. Students will: Complete a professional resume Complete a cover letter for employers Investigate possible career interests and businesses where they would like to intern Complete a contract with their employers Be evaluated several times during the internship Complete a reflective essay about the experience.</td>
</tr>
<tr>
<td>Course Number: Z76310</td>
<td>The internship coordinator will assist students in contacting the employer and setting up the internship.</td>
</tr>
<tr>
<td>Graduation Credit: Elective</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: None</td>
<td></td>
</tr>
</tbody>
</table>

45+ hours will earn 2.5 credits
<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TEACHING ASSISTANT</strong></td>
<td>Prerequisites: Consent of instructor or office staff for whom student will work.</td>
</tr>
<tr>
<td>Grade Level: 8 - 12</td>
<td>Students are assigned as teacher assistants for faculty or in office assistant positions in school administrative office. Service as a TA is a responsible position and students who violate school procedures can, under certain circumstances, be dropped from the class. Will fulfill the Career Tech Ed/Practical Art requirement.</td>
</tr>
<tr>
<td>Course Number: Z77020</td>
<td></td>
</tr>
<tr>
<td>1 year: 10 credits</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Consent of instructor or office staff for whom student will work.</td>
<td></td>
</tr>
<tr>
<td><strong>ACES 10/ACES 11/12</strong></td>
<td>This class is designed to support students in their English and social science classes. Students enrolled in ACES will be simultaneously enrolled in their language arts and social science classes. ACES provides strategies to improve study habits, organization, communication, and academic confidence. The class reinforces difficult concepts in English and social science through explicit direct instruction and guided tutorial sessions.</td>
</tr>
<tr>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Number: Z21111 (10)</td>
<td></td>
</tr>
<tr>
<td>Z21112 (11/12)</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: None</td>
<td></td>
</tr>
<tr>
<td><strong>PEER HELPER</strong></td>
<td>Students work as peer helpers supporting inclusion students who receive services from the special education department. The main responsibility is to support students so that they may meaningfully participate in the class amongst their same aged peers. Depending on the level of support needed, peer helpers may: take notes, support students to keep track of assignments, support students to advocate for themselves, communicate needs to teachers, offer reminders to stay on task, and assist in assignment completion.</td>
</tr>
<tr>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Number: Z76353</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Consent of instructor.</td>
<td></td>
</tr>
<tr>
<td><strong>PEER TUTORING</strong></td>
<td>The peer tutoring program is composed of juniors and seniors who are referred by their counselors to the program. Peer tutors are placed in a classroom where they can help the teacher assist students with class work for general subjects.</td>
</tr>
<tr>
<td>Grade Level: 10-12</td>
<td></td>
</tr>
<tr>
<td>Course Number: Z74500</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: Consent of instructor.</td>
<td></td>
</tr>
</tbody>
</table>
Counseling Services
The DVCA Counselors follow the National Standards for School Counseling in providing comprehensive guidance services. The counseling team provides services in the following three areas:

Personal/Social Domain
The counselors assist students by providing support and guidance to improve school performance. Counselors are available on a daily basis to discuss personal concerns with students.

Counselors:
- Provide personal counseling and guidance.
- Provide assistance and guidance via individual parent meetings.
- Provide crisis intervention and appropriate mental health referrals.
- Identify students for intervention strategies.
- Provide conflict mediation services.
- Refer to Crisis and Prevention Manager as needed.
- Refer to school psychologist or nurse as needed
- Facilitate Restorative Practices

Academic Domain
The counselors assist students and their parents with high school educational planning to ensure students have an appropriate secondary education. Counselors assist students in selecting coursework that supports their post-secondary educational and vocational goals.

Counselors:
- Advise students with regard to course selection and planning.
- Assist students with graduation requirements.
- Provide individual academic counseling to students and parents.
- Identify and refer students to academic intervention programs
- Conduct parent information meetings.
- Arrange Student Study Team (SST) meetings for students who need extra support
- Case manage 504 Accommodation Plans

College/Career Domain
Counselors assist students by providing information and guidance pertaining to college admissions, college entrance requirements, testing, scholarships, financial aid, and the completion of college applications. Family Connection on Naviance is utilized for college and career planning.

Counselors:
- Demonstrate Family Connection/Naviance to students and parents.
- Assist students with the college selection and application process.
- Provide College Workshops.
- Provide summer college boot camp.
- Provide college letters of recommendation, secondary school reports, and mid-year reports.
- Provide letters of recommendation and GPA verification for scholarships.
- Provide information regarding SAT/ACT registration.
- Monitor fee waivers and in-house scholarships for low income students.
- Provide updated college information to students and parents.
- Monitor and assist students with NCAA eligibility and registration.
HOW TO SELECT CLASSES

APPLY to Da Vinci Charter Academy if you are not a current student. See our website at www.davincicharteracademy.net for application events.

PREPARE for registration by reviewing your transcript and getting information about courses for the next school year. Counselors will inform through class presentations. Counselors will advise students on meeting both graduation and college admission requirements.

REVIEW this catalog and your separate course request sheet for relevant information. Talk to teachers if you have questions about courses, and discuss your choices with a parent. Grades 7-10 must be enrolled in at least six periods per semester. Juniors and seniors must be enrolled in at least five periods per semester. All students must be enrolled in 5 Da Vinci courses. Students may have no more than 7 classes total.

OBTAIN a parent’s signature and any necessary teacher signatures on your course request sheet. Be sure to complete the Four-Year Plan on page 16. Course selections should be considered a permanent choice based on your Four-Year Plan.

LOG IN to the Q Student Connection if you are a current Da Vinci student at www.student.sis.djusd.net during the open portal period. Use your identification # (school ID) and password provided by your counselor (case sensitive). Be sure to select next year’s grade level from the dropdown menu, then enter your course selections.

SUBMIT your course request sheet by the due date listed on your planner.

THE DVCA MASTER SCHEDULE is built based on student requests. You may enroll in elective courses at Emerson (Grades 7-9) and Davis Sr. High (Grades 9-12) as long as it does not conflict with your Da Vinci course schedule. You must be enrolled in five Da Vinci courses.

IN LATE AUGUST, you will receive your full class schedule.

Schedule Changes
Changes requested after the Course Request Sheet has been submitted and within the first three weeks of school will be considered only for the following reasons:

• Senior needs to make up deficient graduation credits.

• Student received a D or F grade and needs to repeat the class for high school graduation requirements or to improve GPA for college eligibility requirements.

• Student is in the incorrect course level.

• Course requested will not be offered due to budgetary restraints or low class size.

• Student lacks prerequisite for the class.

All students enrolling in the fall, grades 7-12, will be expected to complete the fall semester.
### NOTE:
The pattern below represents one way to complete college eligibility requirements. Individual plans may vary. Parentheses indicate selected courses taken beyond the minimum required for UC/CSU eligibility. Classes in all capital letters are required for high school graduation and satisfy A-G. Students earn 5 credits per class, per semester.

<table>
<thead>
<tr>
<th>Subjects</th>
<th>H.S.</th>
<th>Colleg</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
<th>Credits (Completed/Required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Social Science</td>
<td>3.5 yr.</td>
<td>2 yrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. English</td>
<td>4 yrs.</td>
<td>4 yrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Mathematics *</td>
<td>2 yrs.</td>
<td>3 yrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Lab Science</td>
<td>2 yrs.</td>
<td>2 yrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. World Language</td>
<td>none</td>
<td>2 yrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Visual &amp; Performing Arts (VAPA)</td>
<td>1 yr.</td>
<td>1 yr.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>g. College Prep Elective**</td>
<td>none</td>
<td>1 yr.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>1 sem.</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTE/ Practical Arts</td>
<td>1 sem.</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Ed.</td>
<td>2 yrs.</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional Electives**</td>
<td>6-7 courses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>-</td>
<td>-</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>230</td>
</tr>
</tbody>
</table>


** Electives: Courses taken above minimum requirements automatically become electives.

### Required Area

<table>
<thead>
<tr>
<th>Required Area</th>
<th>High School Graduation</th>
<th>College Eligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Coursework</td>
<td>230 credits total minimum</td>
<td>15 year-long courses total minimum. Selective colleges often look for more rigorous courses, such as Honors or AP, and courses beyond the minimum requirement/recommendation.</td>
</tr>
<tr>
<td>2. Minimum grade</td>
<td>D or higher</td>
<td>C or higher. Selective colleges are looking for the best grades.</td>
</tr>
<tr>
<td>3. GPA</td>
<td>No requirement</td>
<td>UC 3.0 or higher, CSU 2.0 or higher</td>
</tr>
<tr>
<td>5. College Entrance Tests</td>
<td>None</td>
<td>PSAT in October of junior year (optional), SAT or ACT w/ writing</td>
</tr>
</tbody>
</table>
# COURSE SELECTION GUIDELINES

## GRADE 7
- World Studies
  - Literature & Writing 7
  - Social Studies 7
- Physical Education 7
- Science 7
- Math:
  - CC Math 1
  - CC Math 2
  - CC Math
  - 2/3 CC
- Math 3
- Research & Communication (required for new students)
- Other Elective Courses

## GRADE 8
- American Studies 8:
  - English 8
  - United States History
- Physical Education 8
- Science 8
- Math:
  - CC Math 1
  - CC Math 2
  - CC Math 3
  - Integrated Math 1
- Research & Communication (required for new students)
- Other Elective Courses

## FRESHMAN YEAR
- English 9P
- Physical Education
- World Geography P*
  - 1 semester course
- Health – 1 semester course
- Math:
  - CC Math 2
  - CC Math 3
  - Integrated Math 1
  - Integrated Math 2
- Biology P*
- Research & Communication (required for new students)
- Other Elective Courses
  - Choose among:
  - Spanish (recommended or other world language)
  - Career Tech Ed/Practical Art Visual & Performing Art

## NOTE: All courses are year-long unless otherwise noted
* Students coming from another school district may fulfill these requirements in grades 10-12

## SOPHOMORE YEAR
- World Studies:
  - English 10P
  - Modern World Civilization P
- Math
- Science
- Physical Education
- Research & Communication (required for new students)
- Spanish or Other World Language (recommended)
- Other Required Courses
  - Select to complete your graduation or college requirements.
  - Career & Technical Ed/Practical Art Visual & Performing Arts 1 semester
  - Health (if not completed in 9th grade)
  - Others listed on course list
- Internship (available if space permits)

## JUNIOR YEAR
- American Studies:
  - American Literature P or American Literature Honors
  - U.S. History P
- Math
- Science
- Research & Communication (required for new students)
- Electives
  - Select enough electives to satisfy graduation requirements and college admission requirements.
  - See course list.
- Internship recommended

## SENIOR YEAR
- Political Studies:
  - English 12/Senior Writing Seminar P
  - US Government P (semester) & Economics P (semester)
- Math
- Science
- Research & Communication (required for new students)
- Electives
  - Select electives to satisfy graduation requirements and college admission requirements.
  - See course list.
- Internship recommended

## NOTE: Students must be enrolled in at least 5 Da Vinci courses for grades 10-12.
<table>
<thead>
<tr>
<th>7th Grade</th>
<th>8th Grade</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Core Math 2</td>
<td>Common Core Math 3</td>
<td>Common Core Math 3 (Repeat course or advance to Integrated Math 1)</td>
<td>Integrated Math 1</td>
<td>Integrated Math 2</td>
<td>Integrated Math 3</td>
</tr>
<tr>
<td>Common Core Math 2</td>
<td>Common Core Math 3</td>
<td>Integrated Math 1</td>
<td>Integrated Math 2</td>
<td>Integrated Math 3</td>
<td>Precalculus</td>
</tr>
<tr>
<td>Common Core Math 2/3</td>
<td>Integrated Math 1</td>
<td>Integrated Math 2</td>
<td>Integrated Math 3</td>
<td>Precalculus</td>
<td>Calculus AB</td>
</tr>
<tr>
<td>Common Core Math 2/3</td>
<td>Integrated Math 1</td>
<td>Integrated Math 2</td>
<td>Integrated Math 3</td>
<td>Precalculus</td>
<td>Calculus BC</td>
</tr>
</tbody>
</table>
### High School Graduation Requirements - Grades 9-12

#### and

<table>
<thead>
<tr>
<th>COURSE</th>
<th>DVHS Graduation Requirements</th>
<th>UC/CSU Admission Requirements (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Credits</td>
<td>Years</td>
</tr>
<tr>
<td>English</td>
<td>40</td>
<td>4 yrs</td>
</tr>
<tr>
<td>Math ¹</td>
<td>20</td>
<td>2 yrs</td>
</tr>
<tr>
<td>Life Science</td>
<td>10</td>
<td>1 yr</td>
</tr>
<tr>
<td>Physical Science</td>
<td>10</td>
<td>1 yr</td>
</tr>
<tr>
<td>World Civilization</td>
<td>10</td>
<td>1 yr</td>
</tr>
<tr>
<td>U.S. History</td>
<td>10</td>
<td>1 yr</td>
</tr>
<tr>
<td>Government</td>
<td>5</td>
<td>½ yr</td>
</tr>
<tr>
<td>Economics</td>
<td>5</td>
<td>½ yr</td>
</tr>
<tr>
<td>Physical Education</td>
<td>20</td>
<td>2 yrs</td>
</tr>
<tr>
<td>Career Tech Ed/Practical</td>
<td>5</td>
<td>½ yr</td>
</tr>
<tr>
<td>Visual &amp; Performing Arts</td>
<td>10</td>
<td>1 yr</td>
</tr>
<tr>
<td>World Language</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>5</td>
<td>½ yr</td>
</tr>
<tr>
<td>Health</td>
<td>5</td>
<td>½ yr</td>
</tr>
<tr>
<td>Sub-Total</td>
<td>155</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>230</td>
<td></td>
</tr>
</tbody>
</table>

¹ must include Integrated Math 1 or a course with Algebra content standards equivalent

### Senior High School Commencement Requirements

Students who have completed 230 credits in grades 9-12 and met all high school graduation requirements may participate in the commencement ceremony. Diplomas are available for pick-up in the Office in mid-July. Diplomas will be held if students have outstanding school obligations for books, services, etc.

### Graduation Deficiencies:

Seniors who have completed at least 220 of the 230 credits required, at the date of graduation, may participate in the formal graduation ceremonies. Diplomas are held in the Office until requirements have been completed. Students with a 10-credit deficiency will sign a contract with the district and must plan to complete classes during summer session (either high school or community college) to complete graduation requirements. If work is not completed by the end of the summer session following graduation, a diploma will not be issued. Students may appeal to the Student Services Department at the district office for an additional extension.
SPORTS PARTICIPATION

Many DVHS students participate in Interscholastic athletics. All students are encouraged to try out for a sport. Interested students should talk to the coaches or the Athletic Director, (530) 757-5400 X111.

Medical forms, signed by a physician, must be completed to try out for all sports. They may be picked up at the front desk in the Main Office or the Athletic Office.

Try-out dates occur at these times: fall sports, mid-August; winter sports, November; and spring sports, February.

Guidelines for Student-Athletes

- Each student on an athletic team represents Davis Senior High School. Good citizenship throughout all school activities is a prerequisite to being on a DSHS athletic team. Athletes are to conduct themselves in a positive way so they will not embarrass themselves, their team, school, family or community.
- Students must be enrolled for the required number and type of courses that enable him/her to fulfill graduation requirements.
- Each student must be enrolled in at least 20 credits and must have passed at least 20 credits in the last school's marking period immediately preceding athletic participation. This requirement cannot be waived.
- Student-athletes must earn a grade average of C (2.0) or above during the immediately preceding marking period (1st quarter, 3rd quarter, 2nd semester). Grades shall be averaged without regard to plus or minus signs. A one-time waiver may be possible for this rule, grades 9 through 12.
- Regular and consistent attendance in all classes is expected of all students. Irregular attendance in any class by a DSHS student-athlete may result in suspension or removal from participating in the sport.
- Student-athletes are required to be in attendance in all of their scheduled classes on days of competition until the approved class departure time to participate in the sport activity.
- Any student who is suspended from school for disciplinary reasons shall automatically be excluded from participating in all athletic activities.
- The use of alcohol, drugs, and all tobacco products violates the training rules of any sport and is not tolerated under any circumstance.

CLUB PARTICIPATION

Clubs are optional extra-curricular activities enjoyed by many students. Most clubs meet weekly, bi-weekly or monthly during lunch time in the classroom of the club adviser.

Open to Da Vinci Students

Davis Senior High Athletic Program

Fall Sports
(Begins Mid-August)
- Men & Women
  - Cross Country-Varsity
  - Cross Country-JV
  - Cross Country-Fresh/Soph
  - Football-Varsity
  - Football-JV Football
  - Frosh Water Polo
  - Varsity Water Polo
  - JV Cheer-Varsity
  - Cheer-JV
- Men
  - Soccer-Varsity
  - Soccer-JV
- Women
  - Field Hockey-Varsity
  - Field Hockey-JV
  - Golf-Varsity Tennis
  - Varsity Volleyball
  - Varsity Volleyball-JV
  - Volleyball-Fresh
  - Lacrosse-JV
  - Lacrosse-Varsity
- Winter Sports
(Begins early November)
- Men & Women
  - Basketball-Varsity
  - Basketball-JV
  - Basketball-Fresh
  - Ski Team
  - Snow Board Team
  - Wrestling Varsity

Spring Sports
(Begins Early February)
- Men
  - Baseball-Varsity
  - Baseball-JV Baseball-Fresh Golf-Varsity
  - Lacrosse-Varsity
  - Volleyball-Varsity
- Women
  - Badminton-Varsity
  - Lacrosse-Varsity
  - Lacrosse-JV Soccer-Varsity Soccer-JV
  - Softball-Varsity Softball-JV

For more information about Davis High School athletics, visit http://dhs.djusd.net/

- Athletes who violate these training rules are subject to disciplinary consequences established by the coach and those established by the school - including possible exclusion from the team and from all athletic teams for the remainder of the school year.
- Athletes must adhere to all rules, regulations and standards set forth by the coaching staff of his/her sport.
- Any athlete who has tested positive for any blood related disease must inform his/her coach of the circumstances involved. This information will remain confidential.

WORK EXPERIENCE

Students who are at least 16 years old may request a WORK PERMIT, available in the DVCA High School office. Students who are truant may not be issued a work permit or may have their permit revoked.
COLLEGE AND CAREER PLANNING

CHOOSING A COLLEGE

Each spring DVCA, in conjunction with Davis Sr. High School counselors, sponsor a College Night for juniors and their parents. In the senior year, counselors provide workshops on the college application process for University of California, California State University, community colleges, and private colleges as well as financial aid.

Student Request for Private College Recommendations and Transcripts
Official transcripts may be requested for colleges and scholarships in the Da Vinci High School office. A card is completed in addition to a stamped addressed envelope to each campus (UC's and CSU's generally do not request a transcript until the end of the senior year). Students only need to request transcripts for all schools not using the common application. Students may request up to 2 teacher recommendations.

College Application Deadlines: Requests for counselor recommendations must be submitted to the counselor from October 1 to October 31. Counselors must receive a minimum of 3 weeks notice (not including holidays) prior to the deadline in order to guarantee that deadlines are met.

COMMUNITY COLLEGES

Community Colleges have two major purposes: (1) to offer transfer paths, and (2) to provide career training. Studies in these areas may lead to an Associate of Arts or Associate of Science degree or to a certificate of achievement. See www.cccco.edu for details.

Transfer Courses are equivalent to the lower division (freshman and sophomore) offerings of the 4 year colleges and universities. These courses enable community college students to transfer to a 4 year college for their junior year without loss of credit, provided they have a C average and have taken the required 60 transferable credits.

The Los Rios Community College District has Transfer Guaranteed Admission (TAG) agreements with many CSUs and UCs as well as private colleges and universities. The Transfer Center at the Community College provides information about these opportunities or; learn more by exploring www.assist.org and transfer commitment.

Career and Technical Training courses are given in occupations that require post high school courses but do not require a college degree, such as engineering technician or medical secretary. Many community colleges offer certificates of achievement upon the satisfactory completion of occupational curricula. Some of these local programs are:

Aeronautics
Bookkeeping/Office Manager
Small Business Management
Computer Info Science
Cosmetology
Culinary Arts Management
Television Production Option
Early Childhood Education
Fashion Design
Landscape Industry
Motorcycle Maintenance
Business-General
Railroad Operations
Real Estate
Web Publishing
Telecommunications
Veterinary Technology
Hospitality Management

The Los Rios Community College District, of which Davis is a part, operates American River College, Consumnes River College, Folsom Lake College and Sacramento City College. SCC has a Davis Center at the UC Davis West complex at 1720 Jade St. It offers 45 to 50 college courses each semester; some are at the above address and others are held at Olson Hall on the UCD campus. The Davis Center phone number is (530) 747-5200. See their website at www.scc.losrios.edu.

Admission Requirements
All high school graduates are eligible for admission to public community colleges in California. Non-high school graduates over 18 years of age, who, in the opinion of the administration, would benefit from the institution, may be admitted.

Required Tests
The Los Rios district does not require admission tests but does require placement tests in math and English. Contact the community college for test information. It is beneficial to prepare and study prior to the exam. Practice tests available at: www.crc.losrios.edu/Student_Services/Assessment/Study_Guides.htm

Application Dates
Generally, applications should be filed during the enrollment dates posted in the spring semester senior year.

Application Fees
The community colleges do not require application fees, but do have enrollment fees.

Housing
The following 10 California community colleges have on-campus dormitory facilities: College of the Redwoods, College of the Siskiyou, Columbia College, Feather River College, Lassen Community College, Reedley College, Shasta College, Sierra College, Taft College and West Hills College Coalinga.
UC/CSU A – G and NCAA APPROVED COURSE LISTS

UC/CSU A – G Approved Courses

a  HISTORY/SOCIAL SCIENCE – 2 YEARS
   Modern US History P
   Modern World Civilization P
   US Government/Politics P
   World Geography P

b  ENGLISH – 4 YEARS
   American Literature P
   American Literature Honors P
   English 10 P
   English 9 P
   English 9 Sheltered P
   English 9/Classics P
   English 9/Humanities P
   English 12/Senior Writing Seminar P

C  MATHEMATICS – 3 YEARS
   Integrated Math 1 P*
   Integrated Math 2 P
   Algebra 2/Trigonometry P
   Integrated Math 3 P
   Integrated Math 3 Honors (pending)
   Calculus AB AP
   Pre Calculus P
   Statistics AP
   *may only be used for "c" requirement.

d  LABORATORY SCIENCE – 2 YEARS
   Biology P
   Chemistry P
   Physics Honors P
   Physics P
   Physiology and Anatomy P
   Zoology and Botany P
   Environmental Science P

E  FOREIGN LANGUAGE – 2 YEARS
   Spanish 1*, 2, 3, 4, Honors, AP Spanish 5
   Spanish Elementary - Intermediate Transition
   Spanish Intermediate 1 Honors P
   Spanish Intermediate 2 Honors P
   *may only be used for "e" requirement

f  VISUAL AND PERFORMING ARTS – 1 YEAR
   Art 1 P
   Art History AP
   Studio Art AP 2-D
   Studio Art AP Drawing
   Ceramics & Sculpture P
   Concert Band P
   Concert Choir P
   Jazz Band P
   Orchestra P
   Drama 1 P
   Drawing & Painting* P
   Essentials of Music* P
   Photography* P
   Video & Filmmaking P
   * may only be used for “f” requirement

g  ELECTIVE COURSES – 1 YEAR
   Economics P
   International Relations P
   Journalism 1 P
   Psychology P
   Coding & Computer Science P (pending)

You must check the UC/CSU list for the year you took each course. Course lists change from year to year. The a-g lists for current and past years are online at https://doorways.ucop.edu/list.

NCAA Approved Courses at DVCA

ENGLISH
   American Literature P
   American Literature Honors P
   English 10 P
   English 9 P
   English 9/Classics P
   English 9/GATE P
   English 12/Senior Writing Seminar P
   Multimedia Journalism 1 P

SOCIAL SCIENCE
   Modern US History P
   World Civilization P
   US Government/Politics P
   World Geography P
   Economics P
   Psychology P

MATHEMATICS
   Integrated Math 1 P
   Integrated Math 2 P
   Integrated Math 3 P
   Integrated Math 3 P (pending)
   Algebra 2/Trigonometry P
   Calculus AB AP
   Pre Calculus P
   Statistics AP

NATURAL/PHYSICAL SCIENCE
   Biology P
   Chemistry P
   Physics Honors P
   Physics P
   Zoology and Botany P
   Environmental Science P
   Physiology & Anatomy P

ADDITIONAL CORE COURSES
   Spanish 1, 2, 3, 4 Honors P, Spanish 5 Language AP
<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School GPA</td>
<td>Calculate GPA using only &quot;a-g&quot; approved courses taken after the 9th grade. All &quot;a-g&quot; grades must be reported.</td>
</tr>
<tr>
<td>SUBJECT REQUIREMENTS</td>
<td>16 yearlong college preparatory courses are required with grade of C or better.</td>
</tr>
<tr>
<td>&quot;a&quot; History/Social Science</td>
<td>2 years of history/social science, including one year of U.S. history or one semester of American history, and one semester of American government, and...</td>
</tr>
<tr>
<td>&quot;b&quot; English</td>
<td>1 year of history/social science from either the &quot;a&quot; or &quot;g&quot; subject area</td>
</tr>
<tr>
<td>&quot;c&quot; Mathematics</td>
<td>3 years of math (algebra I and II, geometry); 4 years recommended*</td>
</tr>
<tr>
<td>&quot;d&quot; Laboratory Science</td>
<td>2 years of laboratory science</td>
</tr>
<tr>
<td>&quot;e&quot; Language Other Than English</td>
<td>2 years (or equivalent to the 2nd-level high school course) of language other than English (must be the same language, American Sign Language accepted)*</td>
</tr>
<tr>
<td>&quot;f&quot; Visual &amp; Performing Arts</td>
<td>May complete two semester long courses selected from the same discipline.</td>
</tr>
<tr>
<td>&quot;g&quot; College Preparatory Elective</td>
<td>1 year of an elective chosen from any area on approved &quot;a-g&quot; course list</td>
</tr>
</tbody>
</table>

NOTE: Numerous Career Technical Education courses are approved for fulfillment of "a-g" subject requirements.

<table>
<thead>
<tr>
<th>REPEATED COURSES</th>
<th>Required &quot;a-g&quot; courses must be completed with a grade of C or better. Any course may be repeated. There is no limitation on the number of times a course may be repeated.</th>
</tr>
</thead>
<tbody>
<tr>
<td>REQUIRED COURSES</td>
<td>Required &quot;a-g&quot; courses must be completed with a grade of C or better. Courses in which grades of D/F are earned may be repeated. There is no limitation on the number of times a course can be repeated. The first instance of grade C or better will be used in the GPA calculation.</td>
</tr>
</tbody>
</table>

HONORS POINTS
Maximum of 8 extra grade points from four-year-long courses (8 semesters) awarded for UC-approved high school created honors, AP, or IB courses and transferable college courses. No more than two year-long courses (4 semesters) completed in 10th grade can earn honors points.

TEST SCORES:
ACT/SAT REASONING
Test required for CSU applicants to impacted campuses and programs. Test required for CSU applicants to non-impacted campuses, who earned "a-g" GPA of less than 3.0. CSU combines best critical reading and math scores from multiple sittings of SAT; may combine best subscores from multiple ACT tests to calculate a best composite. It is highly recommended that students take ACT/SAT assessment test in their junior year of high school.

HIGH SCHOOL GPA
Calculate GPA using only "a-g" approved courses taken summer after the 9th grade through summer after the 11th grade. All "a-g" courses and grades must be reported.

VALIDATION OF SUBJECT REQUIREMENTS BY OTHER COURSES
<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>A grade of C or better in the first semester of Algebra II validates both semesters of Algebra I. Integrated style Math 2 will be accepted in lieu of geometry course. (See exception for UC below).</td>
</tr>
<tr>
<td>Language Other Than English (LOTE)</td>
<td>A grade of C or better in a higher-level course validates a lower-level course. A higher-level LOTE course can validate the appropriate number of years based on the level. A college course can validate a high school LOTE course. The level of validation depends on the college course prerequisite and description. Refer to the CCC &quot;a-g&quot; course list on &quot;a-g&quot; website and review the &quot;Category&quot; column.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>A grade of C or better in the second semester of chemistry will validate a D in the first semester.</td>
</tr>
</tbody>
</table>

VALIDATION OF DEFICIENT D/F GRADES IN REQUIRED COURSES
Courses in which grades of D/F are earned may be validated in the areas of Math and Language Other Than English by successful completion of higher-level coursework.

VALIDATION OF SUBJECT REQUIREMENTS BY TEST SCORES
Required "a-g" courses may be satisfied with appropriate test scores on SAT Subject Tests, Advanced Placement exams, and designated International Baccalaureate exams. A list of acceptable tests and scores is available on UC and CSU websites. For UC, the omission of a course in Geometry cannot be validated by any examination score.

* Coursework completed in 7th or 8th grade can be used to satisfy "c" and "e" requirements.
** It is best to prepare for both UC and the CSU by completing two laboratory courses from the "d" subject area.
*** Beginning with the fall 2015 application cycle, students applying to UC may not validate the omission of the subject requirement for a geometry course.
COLLEGE PREPARATORY COURSES

DVCA course titles in which a "P" appears are courses that satisfy one of the a-g requirements for UC/CSU admission. "P" stands for "Prep" and means the course is a college preparatory class. If the course contains "AP" in the title, it is an approved "Advanced Placement" course, for which a standardized test is available for students to take upon completion of the course. Passing this test with a score of 3 or better will earn students college credits at most colleges. "AP" in the title, therefore, also lets the student know it is a college level course and is college preparatory. If the course does not contain a "P" or "AP," it satisfies high school graduation requirements only.

Calculating Your College GPA for UC/CSU Eligibility

All CSU and UC campuses use the same method of calculating a preliminary grade point average for purposes of determining an applicant's UC/CSU eligibility.

The college GPA is calculated based on all "a-g" subjects completed in grades 10 and 11 - including summer sessions - by assigning point values to the grades a student earns, totaling the points, and dividing the total by the number of "a-g" course units.

Points are assigned as follows: A=4 points, B=3 points, C=2 points, D=1 point and F=0 points. Courses taken in the ninth grade can be used to meet the Subject Requirement if the student earns a grade of C or better, but they will not be used to calculate the GPA.

The universities assign extra grade points for up to four yearlong courses of UC/CSU certified honors-level, Advanced Placement courses taken in grades 10, 11 and 12: A=5 points, B=4 points, C=3 points. College-level courses in the "a-g" college preparatory subjects that are transferable to the universities are also assigned honors grade points. A maximum of four semesters of honors course taken in grade 10 are assigned honors grade points. Grades of D are not assigned extra honors points.

See list of approved courses on page 17. At the end of the 12th grade, campuses verify an applicant's UC/CSU eligibility based on the final high school record.

Online calculator: www.csumentor.edu/planning/high_school/gpa_calculator.asp

To calculate your Grade Point Average (GPA), add the two columns below:

<table>
<thead>
<tr>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>of A's</td>
<td>4</td>
</tr>
<tr>
<td>of B's</td>
<td>3</td>
</tr>
<tr>
<td>of C's</td>
<td>2</td>
</tr>
<tr>
<td>of D's</td>
<td>1</td>
</tr>
<tr>
<td>of F's</td>
<td>0</td>
</tr>
<tr>
<td># of honors/ AP courses</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Grade Points

Then divide the Total Grade Points by the Total Units:

<table>
<thead>
<tr>
<th>Total Grade Points</th>
<th>Total Units</th>
<th>Your GPA</th>
</tr>
</thead>
</table>

Calculating Your CSU Eligibility Index

The CSU Eligibility Index is a calculation based on your high school weighted college grade point average (College GPA; see formula above) and your test scores.

CSU will continue to use the Index. California high school graduates must have a minimum eligibility index of 2900 using SAT scores or 694 using ACT scores. (The SAT score component for CSU is the sum of the critical reading and math scores. The ACT score is the composite score. Neither ACT nor SAT writing scores are included in the calculation of the CSU Eligibility Index.)

Calculating Your CSU Eligibility Index

To calculate your index using your SAT score:

College GPA x 800 + your SAT critical & math totals = Your Index

To calculate your index using your ACT score:

College GPA x 200 + (10 x ACT Composite) = Your Index

Note: Eligibility indexes of 2900 and above qualify for admission.
CALIFORNIA STATE UNIVERSITY

www.csumentor.edu

There are 23 campuses in the CSU system. Some CSU campuses have higher standards for particular majors or for students who live outside the local campus area.

Many CSU campuses utilize local admission guarantee policies for students who graduate or transfer from high schools and community college that are historically served by a CSU campus in that region.

Applications are due by November 30.

You are eligible for admission if you:
- Are a high school graduate or equivalent (GED, or have completed the California High School Proficiency Exam.)
- Meet the eligibility index with your grade point average and SAT or ACT scores.
- Complete, with C grades or better, the courses in the 15 unit (a-g) comprehensive pattern of college preparatory work.

CSU ELIGIBILITY INDEX
(Students with 3.0 GPA’s and above do not need test scores)

<table>
<thead>
<tr>
<th>GPA</th>
<th>ACT</th>
<th>SAT</th>
<th>GPA</th>
<th>ACT</th>
<th>SAT</th>
<th>GPA</th>
<th>ACT</th>
<th>SAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.99</td>
<td>11</td>
<td>510</td>
<td>2.66</td>
<td>17</td>
<td>780</td>
<td>2.33</td>
<td>23</td>
<td>1040</td>
</tr>
<tr>
<td>2.96</td>
<td>11</td>
<td>540</td>
<td>2.63</td>
<td>17</td>
<td>800</td>
<td>2.30</td>
<td>24</td>
<td>1060</td>
</tr>
<tr>
<td>2.93</td>
<td>11</td>
<td>560</td>
<td>2.60</td>
<td>18</td>
<td>820</td>
<td>2.27</td>
<td>24</td>
<td>1090</td>
</tr>
<tr>
<td>2.90</td>
<td>12</td>
<td>580</td>
<td>2.57</td>
<td>18</td>
<td>850</td>
<td>2.24</td>
<td>25</td>
<td>1110</td>
</tr>
<tr>
<td>2.87</td>
<td>12</td>
<td>610</td>
<td>2.54</td>
<td>19</td>
<td>870</td>
<td>2.21</td>
<td>26</td>
<td>1140</td>
</tr>
<tr>
<td>2.84</td>
<td>13</td>
<td>630</td>
<td>2.51</td>
<td>20</td>
<td>900</td>
<td>2.18</td>
<td>26</td>
<td>1160</td>
</tr>
<tr>
<td>2.81</td>
<td>14</td>
<td>660</td>
<td>2.48</td>
<td>20</td>
<td>920</td>
<td>2.15</td>
<td>27</td>
<td>1180</td>
</tr>
<tr>
<td>2.78</td>
<td>14</td>
<td>680</td>
<td>2.45</td>
<td>21</td>
<td>940</td>
<td>2.12</td>
<td>27</td>
<td>1210</td>
</tr>
<tr>
<td>2.75</td>
<td>15</td>
<td>700</td>
<td>2.42</td>
<td>21</td>
<td>970</td>
<td>2.09</td>
<td>28</td>
<td>1230</td>
</tr>
<tr>
<td>2.72</td>
<td>15</td>
<td>730</td>
<td>2.39</td>
<td>22</td>
<td>990</td>
<td>2.06</td>
<td>29</td>
<td>1260</td>
</tr>
<tr>
<td>2.69</td>
<td>16</td>
<td>750</td>
<td>2.36</td>
<td>23</td>
<td>1020</td>
<td>2.03</td>
<td>29</td>
<td>1280</td>
</tr>
</tbody>
</table>

GPA below 2.0 does not qualify for regular admission.

For up to date information visit the CSU Mentor website:
http://www.csumentor.edu/planning/high_school/cal_residents.asp

UNIVERSITY OF CALIFORNIA

When UC campuses receive more qualified applicants than they have room to accommodate, they use a process called comprehensive review. Comprehensive review consists of more than a dozen academic and personal factors that are considered in the evaluation process. Admission is offered to students who receive the highest rankings.

Factors in UC’s comprehensive review:
These same factors are considered by other competitive universities.

Application due by November 30.

- Academic grade point average in all completed “a-g” courses, including additional points for completed UC-certified AP/honors courses.
- Scores on the SAT or ACT With Writing.
- Number of, content of and performance in academic courses beyond the minimum “a-g” requirements.
- Number of and performance in UC-approved honors and Advanced Placement courses.
- Identification by UC as being ranked in the top 9 percent of their high school class at the end of junior year (“eligible in the local context,” or ELC).
- Quality of a student’s senior year program, as measured by the type and number of academic courses in progress or planned.
- Quality of their academic performance relative to the educational opportunities available in their high school.
- Outstanding performance in one or more academic subject areas.
- Outstanding work in one or more special projects in any academic field of study.
- Recent, marked improvement in academic performance, as demonstrated by academic GPA and the quality of coursework completed or in progress.
- Special talents, achievements and awards in a particular field, such as visual and performing arts, communication or athletic endeavors; special skills, such as demonstrating written and oral proficiency in other languages; special interests, such as significant community service or significant participation in student government; or other significant experience or achievements that demonstrate the student’s promise for contributing to the intellectual vitality of a campus.
- Completion of special projects undertaken in the context of a student’s high school curriculum or in conjunction with special school events, projects or programs.
- Academic accomplishments in light of a student’s life experience and special circumstance.
- Location of a student’s secondary school and home.

To apply: Students apply online prior to November 30th of their senior year. They do not accept letters of recommendation. Grades are self-reported and a transcript is not required until June.

Note: While the UC’s place the highest importance on academic achievement, this alone does not guarantee admission to a particular UC campus. Because selectivity varies by campus due to the size and academic quality of applicant pools, a student’s chance for admission will also vary by campus. For this reason, it is important for students to review all of their options and choose both carefully and broadly.
Guaranteed Admission
Two groups of California resident students will be guaranteed admission to a UC campus.

- Those who rank in the top 9 percent of all high school graduates statewide have eligibility in the local context (ELC).
- Those who rank in the top 9 percent of their own high school graduating class at the end of the 11th grade.

These students are not guaranteed admission to the UC campus or campuses to which they apply. UC Merced will guarantee a spot for all ELC students. Some campuses and majors are extremely competitive and aren’t able to accommodate every qualified student who wishes to attend. In those instances, students will be offered admission to a UC campus with available space.

Grades (scholarship requirement)
In order to be considered for admission to a UC, applicants must have earned a GPA of 3.0 or better in all “a-g” courses completed in grades 10 and 11 with no grade lower than a C. Extra grade points are awarded for grades received in approved honors/AP courses to a maximum of four courses, including no more than two courses taken in the 10th grade.

- SAT Subject Tests are not required and students who do not submit test scores will not be penalized during the review process. Some majors at some campuses, however, recommend particular tests, and applicants may submit subject test scores for consideration during the comprehensive review process. Additionally, subject exams still may be used to satisfy “a-g” subject requirements. For details, go to www.universityofcalifornia.edu.

The application of every student who has completed 11 of the 15 “a-g” courses with a 3.0 GPA by the end of junior year and has taken the SAT Reasoning Test or ACT with Writing will receive a comprehensive review.

- Languages other than English and mathematics completed in 7th and 8th grades count toward the 11 course minimum requirement provided the student earned a C or better in these courses.

- Important Note: Completing the minimum number of courses to be entitled to an application review (11 courses by the end of junior year) should not be confused with being competitive for admission on most campuses. The average number of yearlong UC-approved academic courses completed by students admitted for the fall 2010 term was 23.

OUT-OF-STATE PUBLIC COLLEGES & UNIVERSITIES

Other states have public university and college systems similar to the UC/CSU system most of these use a total GPA from Grades 9-12. Despite residency requirements, many would cost no more than attending a California public school. In addition, there is the Western University Exchange http://wue.wiche.edu/ which offers a reduced tuition rate for a variety of participating two and four year colleges in the western states. If required, students should download the required forms and submit them to the teacher and counselor and request an official transcript in the office with a stamped addressed envelope to the college.

PRIVATE COLLEGES AND UNIVERSITIES

Among the 200 colleges and universities in the state of California, there are approximately 70+ private schools. Private colleges vary greatly in competitiveness for admission. Some admit 75% of applicants and some admit 1% of applicants. Private colleges use GPA grades 9-12.

There are hundreds of others throughout the U.S. Many have endowments which provide financial aid. This independence means that they have greater freedom in designing programs, defining admission criteria and procedures, and determining the focus and culture for the school. They're large, medium, and small; nonsectarian and religious; great selective to very modestly selective; traditional to innovative; specialized and liberal arts. Some are nonprofit; some are for-profit businesses.

Many of these colleges use the “Common Application”, www.commonapplication.org and may use one application to apply to all colleges, via their website. Some of these colleges require SAT subject tests and extra forms. Check individually with each college for requirements. Some schools have an option of Early Decision or Early Action. This is a good option for students who are 100% sure about the school they want to attend.

Letters of recommendation are usually required. Students fill out the letter of recommendation packet online on the Da Vinci website and may ask up to two teachers for a letter of recommendation, which is downloaded onto the common application website. Counselors also write a letter using the packet and complete the secondary school report after meeting with the student and download a letter and the transcript for the student. Students need to see the teacher and counselor at least three weeks prior to the due date.

Campuses vary widely in location, environment, goals, admission requirements, programs and degrees offered. Students may research these further using Naviance FamilyConnection.
COLLEGE ADMISSION TESTING

Four-year Colleges
Most four year colleges require college admission testing. The ACT or SAT are the two exams that are widely used. Most schools will accept either exam. Testing should be completed by November of the senior year and are typically taken during the junior year. The PSAT is a practice SAT exam which is offered in October. Students sign up for this at school. The other exams are signed up for on the website. Fee Waivers are available for students who qualify from their counselors. Students must download a photo when applying online.

Practice! Students are not used to taking a 4 hour exam. It is strongly encouraged that students practice these tests. Practice books are available in the library. DJUSD also offers an Adult education course in the spring for under $90, see website: www.djusd.k12.ca.us/AdultSchool/

ACT: www.act.org
UC applicants should take ACT with writing.
SAT: www.collegeboard.org
In addition, SAT subject tests may be required by some schools.

Community Colleges
A math and English placement test are required prior to signing up for classes. It is strongly encouraged that students take the practice tests and study for these exams. Getting a high score could avoid taking some extra courses in college. This website has a study guide: www.crc.losrios.edu/Student_Services/Assessment/Stu

MILITARY SERVICE
Recruiters for all branches of the military can inform students of post-secondary options. Military academies for officer training require the recommendation of your congress person. Students take an ASVAB exam. Practice exams are available online. Contact info:
- Air Force: (916) 925-5701
- Army: (530) 666-9792
- Marines: (530) 662-3834
- Navy: (530) 661-3482

CAREER TECHNICAL SCHOOLS
There are many vocational schools, both in and out of California, that do not require specific course work in high school, but which will train students for careers. Some examples of local vocational schools include:
- Automotive Training Schools
- Heald Business College
- Western Career College
- Community Colleges

FINANCIAL AID
Seniors are invited to an information night in January of their senior year to learn about deadlines and how to file a Free Application for Federal Student Aid (FAFSA) www.fafsa.ed.gov. This must be filed for many different scholarships and school based financial aid, including Cal Grants. Da Vinci sends the GPA verification to the state of California for Cal Grant eligibility for all seniors with a social security number on file in the Da Vinci office. Students with a 2.0 GPA are eligible for free money. There is a scholarships office in the career center on the Davis High School campus that also serves Da Vinci student. Numerous scholarships are listed in Naviance for local Davis scholarships. Our scholarship coordinator puts out a weekly bulletin that is on our website listing these scholarships. Some websites listed below also have scholarship directories. You often need to enter a profile and your email address. You should NEVER have to pay money to get a scholarship search. There are scholarships out there for all kinds of students, including community college students, tall students, different ethnicity students, religious affiliation or parent work affiliation. It takes work and energy to find scholarships and often they require an essay, transcript and letter of recommendation. Some colleges require the CSS form in addition to the FAFSA.

ONLINE COLLEGE-CAREER EXPLORATION-NAVIANC/E/FAMILY CONNECTION
Da Vinci Charter Academy provides Family Connection/Naviance, a state of the art web-based college/career exploration program high school students can use at home. Students receive a password in their 10th grade class. Spring semester. Parents may receive a password upon request.

Family Connection enables students to do a college search, manage their personal college/career portfolio. It connects students and parents to college information, scholarships, career interests, learning styles, personality type. Current students can see the colleges former DVHS students have applied to and were accepted at, based on grade point average and SAT test scores. Students with a password use their Da Vinci email address as a user name and go to www.connection.naviance.com/davinci

Students can view and register upcoming College Visits on Naviance if interested and get email reminders.

COLLEGE VISITS/FAIRS
WACAC hosts college fairs during the spring, see your counselor and www.wacac.org. Also www.collegeweeklive.com hosts virtual admissions and live webinars. Attend college visits at the Career Center located on Davis High School Campus. Register on Naviance to attend. Online college fairs are at: www.collegeweeklive.com.
GUIDELINES FOR POTENTIAL NCAA ATHLETES

The NCAA Eligibility Center certifies the academic and amateur credentials of college-bound students who wish to compete in NCAA Division I or II athletics. Students are advised to plan their courses carefully. Division III doesn't use the Eligibility Center.

For detailed information: www.eligibilitycenter.org or Toll-free number: 877-262-1492

DIVISION I CORE COURSES
NCAA Division I requires 16 core courses in high school for any student first entering any Division I college or university.
- 4 years of English.
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab)
- 1 year of additional English, mathematics or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above or world language)

DIVISION II CORE COURSES
NCAA Division II requires 16 core courses. Choose courses from the list on this page.
- 3 years of English.
- 2 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab)
- 3 years of additional English, mathematics or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above or world language)

DIVISION III
This division does not use the Eligibility Center. Contact your Division III college or university regarding its policies on admission, financial aid, practice and competition.

Test Scores
- Division I has a sliding scale for test score and grade-point average. View the scale at www.eligibilitycenter.org.
- Division II has a minimum SAT score requirement of 820 (Critical Reading and Math) or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency.

Grade-Point Average
- Division I GPA required to receive athletics aid and practice on or after the August 1, 2016 is 2.000.
- NEW for Class of 2016: Division I GPA required to be eligible for competition on or after August 1, 2016 is 2.300.
- The Division II core GPA requirement is a minimum of 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

Visit the NCAA website to learn more about NCAA eligibility and approved courses at DVCA visit www.ncaa.org.

National Association of Intercollegiate Athletics
To be eligible to represent a member institution, an entering freshman must meet two of the three entry level requirements:
- Achieve a minimum of 18 on the ACT or 860 on the SAT (Critical Reading and Math).
- Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale
- Class of 2016 will need a 2.3 GPA.
- Graduate in the top half of the high school graduating class.

For more information on NAIA eligibility regulations, visit: www.naia.org.
SENIOR CHECKLIST

SEPTEMBER
- Register for October SAT/ACT if needed
- Map out application and financial aid deadlines
- Write college essays
- If applying for Early Action or Early Decision at a private college, confirm deadlines and get started
- Begin asking teachers for letters of recommendation, particularly if applying for Early Action or Early Decision
- Attend UC, CSU and private college application workshops
- Attend college representative visits all fall
- Visit colleges
- Enter colleges applying to in Naviance

OCTOBER
- Work on UC and CSU applications online. Submit CSU app when completed; submit UC app beginning Nov 1
- Give Letter of Recommendation packet to teachers and counselors for private colleges from Oct. 1 to Oct. 31 (4 weeks prior to application deadlines)
- Register for November SAT or December ACT if needed
- Request transcripts for private colleges
- Start Common Application for private colleges
- Keep working on essays and application, meeting with college reps and visiting colleges

NOVEMBER
- Register (last chance) for the December ACT and/or SAT exams
- Pay attention to all private college application deadlines
- Apply for pin for FAFSA application at www.pin.ed.gov
- Register for the CSS profile if the college to which you are applying requires it: https://student.collegeboard.org/css-financial-aid-profile
- For athletes: Register for Division I or II at www.eligibilitycenter.org and send SAT score report to NCAA Clearinghouse (Code 9999)
- Keep all records, test score reports, copies of applications and financial aid
- Send SAT/ACT scores to colleges through www.collegeboard.com
- Watch for scholarship listings in Naviance and go to Career Center for Scholarship Bulletins

DECEMBER
- Attend Financial Aid Workshop with parents
- Visit college campuses over winter break
- Apply for scholarships
- Finish applications for private colleges

Learn how financial aid works
JANUARY
- File FAFSA between Jan. 1 – March 2
- Check that colleges have received all SAT/ACT results from testing services
- Request mid-year transcript for private colleges
- Respond to colleges’ requests for additional information
- Send CSS Profile (financial aid form for private colleges) by the end of the month
- For men 18 or older: Register with the selective service to receive federal financial aid, www.sss.gov
- Continue watching for scholarship listings on Naviance; periodically check out the Scholarship Bulletins in the Career Center

MARCH
- File FAFSA by March 2 deadline
- If colleges request additional information, send it to them immediately
- Register for AP exams
- Register for CSU placement tests
- If Student Aid Report (SAR) has not been received (4 weeks after FAFSA submitted) contact Federal Student Aid Information Center: (800) 433-3243
- If going to community college, attend an Orientation Day at the campus
- Complete placement testing for community college

FEBRUARY
- Notify colleges of D or F grades earned in college prep classes. (Acceptance may be rescinded.)
- Notify colleges of changes in class schedules not reflected on applications
- Check that all schools have received all materials - applications, letters of recommendation, test scores, financial aid forms, etc.
- Continue to check for and apply for scholarships at the Career Center!
- Continue to monitor your college application status online via the college’s portal

APRIL
- Review college acceptances and financial aid awards - use information in decision-making process
- If possible, visit colleges where accepted to help in final decision
- Choose your college
- Return all paperwork on time, paying special attention to May 1 deadline by which many colleges must have your decision and a deposit.
- Apply for student housing at your college
- Write “thanks, but no thanks” letter to colleges you will not attend
- If you are on a wait list, decide on your options
- Register for community college

MAY/JUNE
- Enter in Naviance the college you will be attending
- Take AP exams
- Take Subject A test for UC students (if needed)
- Take English and math tests at CSU (if needed)
- Request final transcript for your college
- Notify Scholarship Coordinator of any awards or scholarships you have received
- Finish strong - Study for AP exams and finals
- For athletes: Send official final transcript to NCAA Eligibility Center
- Relax and enjoy Senior Ball, Graduation and Grad Night
WELLNESS RESOURCES

Our DSHS staff is here to encourage and support you in making healthy choices.

24-HOUR CRISIS LINES

Suicide Prevention
756-5000
Trained crisis volunteers provide confidential, anonymous telephone counseling and referral information.

Crisis Text Line
741-741
Text the word "Start." A trained specialist will provide effective, secure counseling and referrals to sources of help.

School Safety Tip Line
758-SAFE
(738-7233)
This confidential line is where students can report concerns about school safety, including info about possible violence or incidents of harassment.

ASK Teen Crisis Line
753-0797
The Allied Services for Kids (ASK) teen line provides support to teens and families in crisis.

NEW: Text for help

Your school counselor can provide personal counseling including:

- coping strategies
- stress management
- guidance for how to help friends involved in risky behaviors
- support in developing a lifestyle that enhances wellness

Other resources:

- Al-Anon / Alateen
  Support and hope for friends and families of problem drinkers.
  (530) 758-6907
  www.al-anon.alateen.org

- Science-based Facts About Drugs
  www.teens.drugabuse.gov
Da Vinci Charter Academy Campus Maps

Senior High School
1400 E. 8th Street Davis, CA
95616 OFFICE/ATTENDANCE:
(530) 757-7154
FAX: (530) 759-2178

Junior High School
(shared with Emerson Junior High School)
2121 Calaveras Ave.
Davis, CA 95616
OFFICE/ATTENDANCE: (530) 759-1615
FAX: (530) 759-1619