

# Da Vinci Schools Graduation Requirements 2010-2011



The information below is intended to inform you of the graduation requirements for all Da Vinci students. In addition, there are a multitude of options offered, particularly honors courses and Early College Classes (ECC), both of which require approval for admission into the course. The Da Vinci student is college ready and career prepared.

## DA VINCI SCHOOLS: ACADEMIC CORE REQUIREMENTS

UC "a-g" Course Requirements*	Da Vinci Graduation Requirements	Da Vinci Courses Offered *honors
a. History/Social Science – 2 years required	Social Science 3 years required (30 credits) 5.0 credits per semester	Cultural Geography* World History * US History* Government ( <i>Offered per semester at the 12<sup>th</sup> grade year on campus or at local approved college/university.</i> )
b. English – 4 years required	English 4 years required (40 credits) 5.0 credits per semester	English 9* English 10* English 11* English 12*
c. Mathematics – 3 years required, 4 years recommended	Mathematics 3 years required (30 credits) 5.0 credits per semester	Geometry* Algebra 2* Trigonometry /Pre-Calc/Math Analysis* Calculus/Statistics ( <i>offered through a local community college</i> )
d. Laboratory Science – 2 years required, 3 years recommended	Science 3 years required (30 credits) 5.0 credits per semester	Physics* Chemistry* Biology*
e. Language Other than English – 2 years required, 3 years recommended	Foreign Language 2 years required (20 credits) 5.0 credits per semester	Spanish 1 Spanish 2 Spanish 3 <i>At present, Da Vinci offers Spanish courses, a graduation requirement, but students have the option to take other languages with approval to augment their high school transcript.</i>
f. Visual and Performing Arts (VPA) – 1 year required	Art 2 years required (20 credits) 5.0 credits per semester	Art & Design 1* Art & Design 2* Art & Design 3* Project Lead the Way: Intro. to Engineering Design ( <i>10 high schools credits or 4 college units</i> )
g. College-Preparatory Electives – 1 year required <i>The purposes of the "a-g" subject area requirements are to ensure that entering students can fully participate and are prepared in the first year program at the University on a broad variety of fields of study.</i> <a href="http://www.ucop.edu/a-qGuide/aq/a-g/purpose.html">http://www.ucop.edu/a-qGuide/aq/a-g/purpose.html</a>	College Courses 2 college courses required <i>El Camino College courses are offered on campus at Da Vinci, however with approval students can take courses elsewhere.</i>	Speech Communications Studies Class (3 units), Project Lead the Way: Intro. to Engineering Design (4 credits) Project Lead the Way: Principals of Engineering (4 credits) Film 140 (3 credits) Photography (3 credits) <i>Each Da Vinci student is required to take 2 college classes in order to graduate</i>

### DA VINCI HONORS

The Da Vinci Honors Program provides highly motivated students the opportunity to work closely with professors and other motivated students in advanced levels of critical thinking, analysis, and research in their classes. While the provisions for honors programs will vary class to class, the following is an overview of some of the guidelines and benefits of the Da Vinci honors program:

1. Earn a semester grade of 85% or higher in the course
2. At the end of each semester students must pass with a 70% or higher comprehensive written final exam per discipline: math, science, English, and social science.
3. At the end of the year students will be required to take a year-long comprehensive written final exam per discipline.

*It is important to note the impact of honors courses on students' work load as it will increase and their grade point average. Many college and universities do not take honors courses into consideration during the ninth grade year and no more than two honors level courses are accounted for in the tenth grade. The CSUs and UCs along with many private institutions assign extra points for up to eight semesters of approved honors level or college level courses taken in the last three years of high school. \*indicate honors options listed above*

### DA VINCI DEFENSE & CAREER PROGRAM REQUIREMENTS

The Da Vinci Defense-Career(DC) Program provides students with an opportunity to prepare for both industry and college. Over the course of four years, each Da Vinci student must pass an end of year defense in order to advance to the next grade level. At the 11<sup>th</sup> grade level, each student will hold an internship at a local business or organization. Finally, each Da Vinci student is required to take 2 college level courses in order to graduate.

DA VINCI DEFENSE 4 required (20 credits) 5.0 credits per semester	Defense 9 Defense 10 Defense 11 Senior Defense
DA VINCI CAREER 2 required (20 credits)	Summer Program (any grade level) Internship (11 <sup>th</sup> grade year) Senior Project & Seminar

### DA VINCI COLLEGE-READY PROGRAM REQUIREMENTS

The Da Vinci College Bound (CB) Program provides students with an opportunity to prepare for the college board examinations, meet the requirements for entrance to competitive schools, visit local colleges and universities, and navigate the financial aid and college application process with the assistance of seasoned and knowledgeable teachers, advisors and college counseling team members.

DA VINCI COLLEGE CLASSES 2 classes required (6 credits)	Da Vinci offers college courses before/after and during the school day. Ninth grade students must gain approval into college courses from their core teachers and Academic Dean. All upper classman with sufficient credits are encouraged and permitted to enroll in college classes at Da Vinci, local community colleges or universities.					
COLLEGE BOARD EXAMINATIONS 3 required	PSAT	10 <sup>th</sup> :	11 <sup>th</sup> :	NMSQT:		
	SAT Reasoning	Math:	Verbal:	Writing:	Total:	
	ACT	English:	Math:	Reading:	Science:	Composite:
	SAT Subject Test	Chemistry:	English:	History:	Math:	Science:
COLLEGE BOUND 3 required	College Tours will take place each year, grades 9-12 College Fairs: all students will attend a Da Vinci sponsored college tour					
FINANCIAL AID APPLICATIONS 2 required	FAFSA Cal Grant AB 540 University/College specific financial aid					
COLLEGE APPLICATIONS 2 required	Students will be required to apply to a minimum of two colleges. Each student and family will work with the Academic Dean during the college application process.					