

COMMUNITY EDUCATION | SUMMER 2022

DeAnza College

ACADEMY

SUMMER YOUTH ENRICHMENT PROGRAM FOR GRADES 4-12



**ENROLL
NOW!**



deanza.edu/academy





De Anza College Planetarium

EXPLORE THE STARS – CHECK OUT OUR FIELD TRIPS AND SHOWS!

Online and in-person field trips for K-8 classes,
school groups and camps

- Students can enjoy an experience that's educational, interactive – and FUN!
- Reserve a time for your class or group: deanza.edu/planetarium/fieldtrips

Saturday shows are open to the public – fun and
informative for kids and adults!

- Purchase tickets at deanza.edu/planetarium

Saturday, April 9

- 1 p.m. – Magic Tree House
- 2:45 p.m. – The Moon
- 4:30 p.m. – Black Hole: The Other Side of Infinity

Saturday, April 16

- 1 p.m. – Magic Tree House
- 2:45 p.m. – The Little Star that Could
- 4:30 p.m. – Phantom of the Universe

Saturday, April 23

- 1 p.m. – Magic Tree House
- 2:45 p.m. – The Secret of the Cardboard Rocket
- 4:30 p.m. – Firefall

Saturday, April 30

- 1 p.m. – Magic Tree House
- 2:45 p.m. – This is Our Sky
- 4:30 p.m. – The Sun, Our Living Star

Saturday, May 7

- 1 p.m. – Magic Tree House
- 2:45 p.m. – The Moon
- 4:30 p.m. – Astronaut
- 7 p.m. – Wayfinders: Waves, Winds & Stars

Saturday, May 14

- 1 p.m. – Magic Tree House
- 2:45 p.m. – Earth, Moon and Sun
- 4:30 p.m. – Cosmic Journey
- 7 p.m. – Mayan Archeoastronomy: Observers of
the Universe



DeAnza College ACADEMY

SUMMER YOUTH ENRICHMENT PROGRAM FOR GRADES 4-12

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GENERAL REGISTRATION INFORMATION

Welcome to the De Anza College Summer Enrichment Program

We offer a wide selection of in-person and online, fee-based, noncredit enrichment classes – many involving hands-on projects – designed for students entering grades 4-12.

Online Registration Dates

Grades 4-9: March 15-June 13 | Grades 9-12 online classes: March 15-June 10 |
Grades 9-12 classes at De Anza College: March 15-July 14

Class Dates

Grades 4-9: June 20-July 15 | Grades 9-12 online classes: June 13-July 22 |
Grades 9-12 classes at De Anza College: July 18-29

What are the QUALIFICATIONS of the instructors?

Our highly experienced, credentialed instructors come from universities, colleges, public and private high schools, and K-12 districts. Our programming teachers bring extensive knowledge from schools like MIT and SJSU and companies such as Google and HP.

Where are classes held?

In-person classes will be held at two sites: Cupertino Middle School (classes for Grades 4-9) and De Anza College (classes for Grades 9-12).

Online classes will meet via Zoom and the Canvas online platform on the dates and times published.

How can students ENROLL in the program?

Visit deanza.edu/academy to review program details and check class availability.

These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

ONLINE CLASS LAB

Entering Grades 6-9 – Students enrolled in any of our afternoon online courses may opt to reserve a physical seat in a supervised classroom and take their online class as part of a full-day schedule in the De Anza College Academy at Cupertino Middle School. For safety and supervision reasons, any student staying on campus for an online class is required to also enroll in lab sections at the same times as their online schedule. Headphones are required.



ART AND DESIGN

ARTIST STUDIO

Entering Grades 4-6 – In this class, students will learn and practice different drawing, painting and sculpture techniques and explore a variety of two- and three-dimensional materials. They’ll be encouraged to develop their own artistic voice as well as study master artworks from around the world. Creative thinking exercises will help build artistic confidence and communication skills.



Art and Design courses are offered in partnership with the Euphrat Museum of Art

deanza.edu/euphrat

CERAMICS AND SCULPTURE

Entering Grades 6-9 – Students will learn how to design, plan and create sculptures using ceramic and polymer clay, wood, recycled materials, mosaic tiles and mixed media. They’ll view works by notable artists around the world and design their own masterpieces. By the end of the session, they’ll have several original works of 3D art and the knowledge and skills to create more on their own.



CLAY AND SCULPTURE

Entering Grades 4-6 – Students will learn and practice a variety of clay and sculpture techniques, while strengthening their observational, analytical and creative thinking skills. Instruction will include fun challenges and viewing and discussing work by notable 3D artists from around the world.

DIGITAL ART AND GRAPHIC DESIGN

Entering Grades 6-9 – Students in this class will learn to create dynamic digital drawings and illustrations as well as logos, eye-catching web banners and special effects using new design software. They’ll explore the principles of image making and digital composition and apply what they learn to their own brand. Students will express and communicate their ideas as well as interpret and analyze others work and artistic styles. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.

- Students will use free-of-charge software programs.

DRAWING AND PAINTING

Entering Grades 6-9 – Explore the secrets to drawing and painting what you see! In a focused studio atmosphere, students will learn and practice important drawing and painting techniques and build observational and creative thinking skills. Lessons will include multipoint perspective, depicting shadow and light sources, proportions and anatomy, as well as creating dynamic compositions and content.

DRAWING, PAINTING AND CARTOONING

Entering Grades 4-6 – Using ingenuity and a range of media, students will explore drawing, painting, and cartooning from observation and imagination. They’ll learn the fundamentals of color theory and composition and how to do more detailed renderings. The focus will be on building technical and creative thinking skills, developing artistic confidence and bringing their ideas to life.

COMPUTER PROGRAMMING

JAVA PROGRAMMING: BEGINNING [2 HOURS]

Entering Grades 6-9 – This is an introduction to computer programming with the Java language, using object-oriented programming principles. Students will learn about Java primitive and nonprimitive data types, control flow constructs, built-in class libraries, and object-oriented programming concepts such as classes, objects, method overloading and encapsulation. Typical assignments will cover built-in and programmer-defined classes, basic input and output operations, and solving programming problems. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.

JAVA PROGRAMMING: INTERMEDIATE [2 HOURS]

Entering Grades 6-9 – This class is for students who have basic Java programming skills and want to start building real-world applications. Java provides a vast set of tools that can be used for games and websites. This class will include object-oriented programming and some of the advanced tools that are commonly used on Java development projects – including inheritance and abstraction, interfaces, nested classes, regular expressions, collections, dates and I/O. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.

PYTHON PROGRAMMING: BEGINNING [2 HOURS]

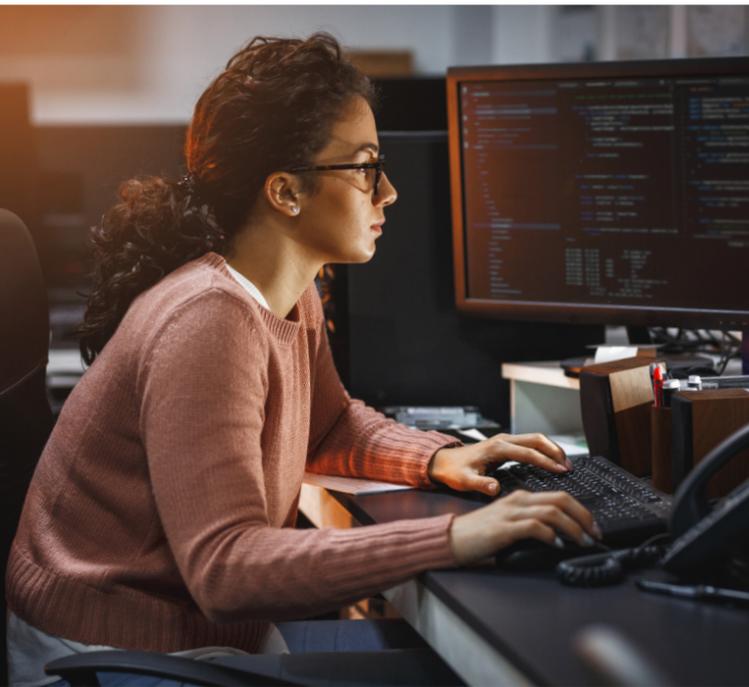
Entering Grades 6-9 – This course introduces students to basic elements of the Python programming language, including data types, control structures, algorithm development and program design with functions. Students will be defining new object classes, creating interactive applications with buttons, learning about animation and creating an interactive game using Python. The instructor will also cover fundamental principles of object-oriented programming, as well as data and information processing techniques.



These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

**PYTHON PROGRAMMING: INTERMEDIATE
[2 HOURS]**

Entering Grades 6-9 – This course will help students strengthen their skills and build on what they have learned in previous classes. Through practical examples, students will gain a deeper understanding of programming and how it is applied in the real world. Projects will reinforce their understanding of fundamentals while encouraging experimentation and exploration. Students will learn about building a platform and applications using Python installation, variables, operators, strings, lists, tuples and maps, Turtle, drawing, conditional statements, loops, functions, objects and classes. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.



MATHEMATICS

The Math Boost and Math Preparation courses are designed to introduce key Common Core math concepts from the upcoming year while reinforcing the prior year’s most essential carryover skills.

MATH BOOST: GRADE 4*

Entering Grade 4 – This class will introduce students to themes and concepts of algebra, geometry and statistics. Students will use hands-on applications and problem-solving exercises designed to promote conceptual understanding and enhance logical thinking skills. Additional topics include place value, rounding, estimating, identifying prime and composite numbers as well as prime factoring. Through complex problem-solving, students will practice fundamentals of addition, subtraction, multiplication and division.

**Meets Common Core standards*

These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

MATH BOOST: GRADE 5*

Entering Grade 5 – This class will help students increase their fluency with fractions, including addition and subtraction of fractions and multiplication and division of unit fractions with whole numbers. The instructor will also cover division extended to two-digit divisors, decimal fractions integrated in the place value system and operations with decimals to the hundredth place. Students will learn problem-solving strategies and deepen their understanding of area and volume.

MATH PREPARATION: GRADE 6*

Entering Grade 6 – Students in this course will apply their knowledge of multiplication and division to solve ratio and rate problems. They will extend their knowledge of fractions and learn to explain, in their own words, how dividing and multiplying fractions follows logical mathematical processes. Students will also learn problem-solving strategies and deepen their understanding of rational numbers, absolute value, expressions and equations.

MATH PREPARATION: GRADE 7*

Entering Grade 7 – Students in this course will extend their knowledge of ratios and apply proportionality concepts in solving single- and multi-step problems, expressions and equations. Students will learn problem-solving strategies as they deepen their understanding of two- and three-dimensional figures, while making connections to scale drawings.

MATH PREPARATION: GRADE 8*

Entering Grade 8 – Students will extend their knowledge of expressions and equations, including modeling an association in bivariate data with a linear equation, and solving both linear equations and systems of linear

**Meets Common Core standards*

equations. Students will also learn about functions and using functions to describe quantitative relationships. In addition, the class will explore problem-solving strategies as students deepen their understanding of two- and three-dimensional space and figures, while using distance, angle, similarity and congruence. The course also covers understanding and applying the Pythagorean Theorem.

INTRODUCTION TO HIGH SCHOOL ALGEBRA 1*

Entering Grades 7-9 (*Recommended prerequisite: Students should be enrolled in Algebra 1 for the 2022-23 school year*) – This class will introduce students to major themes and concepts in first-year algebra. Students will engage in hands-on applications and problem-solving exercises designed to promote conceptual understanding and enhance logical thinking skills. Topics covered will include properties in algebra, polynomials, solving and applying equations, factoring, the quadratic formula, solving and graphing linear and variable equations, radical expressions and other subjects as time permits.



These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

INTRODUCTION TO HIGH SCHOOL ALGEBRA 2: FOUNDATIONS FOR FUNCTIONS*

Entering Grades 7-9 (*Recommended prerequisites: Students should have completed Algebra 1 and Geometry, and be enrolled in Algebra 2 for the 2022-23 school year*) – This course emphasizes critical thinking, understanding of real-world applications and the use of advanced problem-solving techniques. Students will gain an understanding of functions through a graphical approach to contextualizing relations, including linear, quadratic, absolute value, exponentials and polynomial rational expressions. Students also will learn how to define every relation as a transformation and translation of a parent function.

- Students should bring a pencil, eraser, small ruler, graph paper and TI-84 calculator (or equivalent) daily.

INTRODUCTION TO HIGH SCHOOL GEOMETRY AND SPATIAL SENSE*

Entering Grades 7-9 (*Recommended prerequisite: Students should be enrolled in Geometry for the 2022-23 school year*) – This course will introduce students to Euclidean geometry and assist them in understanding two- and three-dimensional space. Students will develop important basic geometry skills and explore various proofs through logical deduction. The course will include hands-on explorations of geometric transformations, similar and congruent polygons, area and volume of solids, two- and three-dimensional polygons and polyhedra as well as the Pythagorean theorem.

MODERN LANGUAGES

SPANISH: BEGINNING

Entering Grades 4-7 – Students will learn basic vocabulary and grammar, including practical phrases, in a setting that integrates listening, speaking and reading skills. The class will also explore the culture and customs of Spanish-speaking countries.



SCIENCE

CHEMISTRY FUNDAMENTALS**

Entering Grades 7-9 – This course is designed to preview some of the main topics addressed in high school chemistry, including dimensional analysis, the periodic table, stoichiometry and gas laws. Students will be challenged to solve problems and answer complex questions through pairs and group work. This is not a lab class, but students will complete activities and projects such as building their own periodic table and creating molecule models to promote understanding and retention.

**Meets Common Core standards*

***Meets Next Generation Science standards*

These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

FUN WITH PHYSICS!

Entering Grades 4-6 – Physics examines the universe around us, including what we experience physically and how we can explain those experiences mathematically. This class is designed to help students better describe the physical world through key physics principles. Students will build projects and kits to take home for continued study. The class will explore forces, energy and motion by building spectrometers, solar cars and more, and by analyzing weather and atmospheric data while using simple, everyday materials.

PHYSICS LAB**

Entering Grades 7-9 – Students will learn key physics principles by following kit assembly instructions to build their own projects, and by working in teams to modify projects and compete in design challenges. The class will explore the interaction of forces, motion and energy by building bridges, speakers, windmills and solar circuits using simple, everyday materials.

SPEECH AND DEBATE

DEBATE AND CRITICAL THINKING

Entering Grades 6-9 – This course will challenge students to present ideas in a clear, logical and engaging style. Students will refine their public-speaking skills as they are introduced to two high school debate formats: Lincoln-Douglas and Public Forum. Students will debate current events, hold an in-class tournament and learn how to be great speakers and debaters.

***Meets Next Generation Science standards*



PUBLIC SPEAKING

Entering Grades 4-6 – Students will learn the skills and techniques required for effective public speaking, including communication skills, eye contact, voice projection, body contact and listening, as well as self-evaluation techniques. Students will practice presenting various types of speeches in front of an audience. Development of self-confidence and poise will be an integral part of this class.

SPORTS AND GAMES

BASKETBALL

Entering Grades 6-9 – Students will improve their basketball skills and develop their appreciation of this exciting, fast-paced sport. Through a variety of drills and games, students will learn and practice the fundamentals of dribbling, passing and shooting. Teamwork, self-confidence and sportsmanship will be stressed on a daily basis. Accommodations will be made for all skill levels. This is a co-ed class that is held indoors. Rubber-soled athletic shoes are required.

These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

TEST PREPARATION

PSAT MATH PREPARATION

Entering Grades 7-9 – This course will help students develop a personalized plan for PSAT preparation, and will provide extensive practice opportunities for the Mathematics sections of the PSAT. Students will study essential facets of arithmetic, algebra, geometry, data analysis and logic that directly relate to PSAT and SAT performance, including linear equations and systems in algebraic expressions, data analysis and quantitative literacy, and fluency with complex equations. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.

- Students must purchase the PSAT/NMSQT Study Guide with 4 Practice Tests (Barron’s Test Prep), ISBN-13: 978-1438012964.

PSAT READING AND WRITING PREPARATION

Entering Grades 7-9 – This course will help students develop a personalized plan for PSAT preparation, and provide extensive practice opportunities for the Reading, Writing and Language sections of the PSAT. Students will follow a plan for vocabulary enhancement and use class time to focus on skills development – including evidence-based interpretations, applying context in analysis, and using organization and structure for sentences, passages and essays. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.

- Students must purchase the PSAT/NMSQT Study Guide with 4 Practice Tests (Barron’s Test Prep), ISBN-13: 978-1438012964.



WRITING

GRAMMAR, VOCABULARY, READING AND WRITING: GRADE 4*

Entering Grade 4 – This class is designed to strengthen the reading foundation and writing skills of students reading at or near the fourth-grade level. The course will focus on improving fluency, increasing reading comprehension and expanding vocabulary. Students will develop skills and strategies for better reading, and apply them while exploring grade-appropriate poetry, fiction, nonfiction and playwriting. The course will also cover writing skills and grammar because learning is enhanced when the reading and writing processes are connected.

GRAMMAR, VOCABULARY, READING AND WRITING: GRADE 5*

Entering Grade 5 – This course will emphasize the fundamentals of expository and informational writing. Students will acquire the skills to write well-organized paragraphs, summaries and essays. The class will also

**Meets Common Core standards*

These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

cover “pre-writing” techniques, along with syntax, word choice, grammar, punctuation and revision. Students will learn to engage in writing as a process, paying particular attention to diction and structure. This highly interactive class includes peer review, writing workshops and a final portfolio that students can take home to demonstrate their progress.

ADVANCED MIDDLE SCHOOL WRITING WORKSHOP [2 HOURS]*

Entering Grades 6-7 – As middle school students take that important step from elementary to secondary school, it is important for them to master the writing process. This course will help students learn to write well and develop the skills to excel in all the writing tasks that middle schools demand. Students will receive intensive daily instruction on writing technique, with ample time to write and revise, and individual feedback on their work. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.



**Meets Common Core standards*

GRAMMAR, VOCABULARY AND WRITING STRUCTURES: GRADE 6*

Entering Grade 6 – This course offers students the opportunity to improve their writing skills and expand their academic vocabulary. They will carry out writing assignments based on readings from a variety of informational texts that are appropriate to the grade level. Students will learn to write a variety of sentence types and incorporate them into expository paragraphs and short essays. The class will also include focused grammar study. Students will learn to diagram sentences and will leave the course with a portfolio of their work.

GRAMMAR, VOCABULARY AND WRITING STRUCTURES: GRADE 7*

Entering Grade 7 – This course offers students the opportunity to improve their writing skills and expand their academic vocabulary. They will carry out writing assignments based on readings from a variety of grade-appropriate informational texts. Students will learn to write different sentence types and incorporate them into expository paragraphs and short essays. The class will also include focused grammar study. Students will learn to diagram sentences and will leave the course with a portfolio of their work.



These classes will be taught at Cupertino Middle School, except those noted as “online only” in the class description.

INTRODUCTION TO BASIC HIGH SCHOOL WRITING STRUCTURES*

Entering Grades 7-9 – This course will teach students to engage in writing as a process, with particular attention to diction, argumentation and thoughtful integration of evidence. Students will learn to craft a basic, five-paragraph essay – emphasizing structure, clarity and argument – in response to informational texts and fictional short stories. Students will also learn to recognize and correct grammatical errors involving subject-verb agreement, verb form, verb tense, pronouns, modifiers, fragments, run-ons and basic punctuation. This highly interactive class includes peer review, drafting and workshops.

CRAFTING THE HIGH SCHOOL ESSAY WRITING WORKSHOP [2 HOURS]*

Entering Grades 8-9 – This interactive course will focus on writing personal narratives, expository essays, compare-and-contrast essays and persuasive essays. Students will also learn how to engage in writing as a process, with particular attention paid to diction, argumentation and thoughtful integration of evidence. This highly interactive class includes peer review, writers’ workshops and a final portfolio that students can take home to demonstrate their progress. Students will be expected to bring a journal to class for daily note taking and writing practice. This class meets **online only**, via the De Anza College Canvas learning management system, and does not have a face-to-face component.

**Meets Common Core standards*



De Anza College **COMMUNITY EDUCATION**

Child Development Center • De Anza College Academy • Euphrat Museum of Art • Planetarium • Short Courses

Programs for community members of all ages!



Child Development Center

Day program for children age 3-5 from De Anza families and the community

De Anza College Academy (Grades 4-12)

Year-round opportunities for learning and fun

Euphrat Museum of Art

Public art shows, classes for elementary and middle-school students

Planetarium

Astronomy shows and field trips

Short Courses (for children and adults)

Noncredit classes in the arts, science, business, health and more!

deanza.edu/communityed

CLASS SCHEDULE – ENTERING GRADES 4-9: JUNE 20-JULY 15 (CUPERTINO MIDDLE SCHOOL)	CLASS 1 8:30-9:30 a.m.	CLASS 2 9:35-10:35 a.m.	Break 10:35-10:50 a.m.	CLASS 3 10:55-11:55 a.m.	CLASS 4 Noon-1 p.m.		Lunch Break 1-1:45 p.m.	CLASS 5 1:50-2:50 p.m.	CLASS 6 2:55-3:55 p.m.	CLASS 7 4-5 p.m.	FEE
ONLINE CLASS LAB								8158 *Java/Digital Art & Graphic Design	8159 *Java/*Python	8160 *Python	\$100
ONLINE CLASS LAB								8161 *PSAT Reading/Math	8162 *PSAT Reading/Math	8163 *PSAT Reading/Math	\$100
ART AND DESIGN											
Grades 4–6: Artist Studio				8146	8147			8148			\$375
Grades 4–6: Clay and Sculpture				8157							\$375
Grades 4–6: Drawing, Painting and Cartooning	8155	8156									\$375
Grades 6-9: Ceramics and Sculpture				8149	8150			8151			\$375
Grades 6-9: Drawing and Painting		8152		8153	8154						\$375
ATHLETICS											
Grades 6-9: Basketball Skills and Drills				8079	8080			8081			\$350
COMPUTER PROGRAMMING											
Grades 6-9: Python Programming: Beginning Level [2 hours]		8082			8083						\$350
MATHEMATICS											
Grade 4: Math Boost	8106				8107						\$350
Grade 5: Math Boost		8108		8109							\$350
Grade 6: Math Preparation	8102				8103						\$350
Grade 7: Math Preparation		8104		8105							\$350
Grade 8: Math Preparation	8090				8091						\$350
Grades 7-9: Introduction to High School Algebra 1		8124		8125							\$350
Grades 7-9: Introduction to High School Algebra 2: Foundations for Functions	8126				8127						\$350
Grades 7-9: Introduction to High School Geometry and Spatial Sense		8092		8093							\$350

Class schedule continued on page 14

*Note: The afternoon sections with asterisks provide a physical seat in a supervised classroom where your student can take the online class offered at that time. (See page 16 for list of online classes.)

CLASS SCHEDULE – ENTERING GRADES 4-9: JUNE 20-JULY 15 (CUPERTINO MIDDLE SCHOOL)	CLASS 1 8:30-9:30 a.m.	CLASS 2 9:35-10:35 a.m.	Break 10:35-10:50 a.m.	CLASS 3 10:55-11:55 a.m.	CLASS 4 Noon-1 p.m.		Lunch Break 1-1:45 p.m.	CLASS 5 1:50-2:50 p.m.	CLASS 6 2:55-3:55 p.m.	CLASS 7 4-5 p.m.	FEE
MODERN LANGUAGES											
Grades 4-7: Spanish: Beginning								8110	8111		\$350
SCIENCE											
Grades 4-6: Fun with Physics!								8100	8101		\$350
Grades 7-9: Chemistry Fundamentals	8120	8121									\$350
Grades 7-9: Physics Lab				8122	8123						\$350
SPEECH AND DEBATE											
Grades 4-6: Public Speaking	8097	8098		8099							\$350
Grades 6-9: Debate and Critical Thinking					8094			8095	8096		\$350
WRITING											
Grade 4: Grammar, Vocabulary, Reading and Writing		8116		8117							\$350
Grade 5: Grammar, Vocabulary, Reading and Writing	8118				8119						\$350
Grade 6: Grammar, Vocabulary and Writing Structures		8112		8113							\$350
Grade 7: Grammar, Vocabulary and Writing Structures	8114				8115						\$350
Grades 7-9: Introduction to Basic High School Writing Structures	8086	8087		8088	8089						\$350

ONLINE	CLASS 1 9-10 a.m.	CLASS 2 10-11 a.m.	CLASS 3 11:15 a.m.-12:15 p.m.	CLASS 4 12:15 -1:15 p.m.	CLASS 5 1:50-2:50 p.m.	CLASS 6 2:55-3:55 p.m.	CLASS 7 4-5 p.m.	FEE
ART AND DESIGN								
Grades 6-9: Digital Art and Graphic Design		8141	8142		8143*			\$375
COMPUTER PROGRAMMING								
Grades 6-9: JAVA Programming: Beginning Level [2 hours]	8128				8129*			\$725
Grades 6-9: JAVA Programming: Intermediate Level [2 hours]			8130					\$725
Grades 6-9: Python Programming: Intermediate Level [2 hours]						8085*		\$725
TEST PREP								
Grades 7-9: PSAT Math Preparation					8131*	8132*	8133*	\$375
Grades 7-9: PSAT Reading and Writing Preparation					8134*	8135*	8136*	\$375
WRITING								
Grades 6-7: Advanced Middle School Writing Workshop [2 hours]	8137		8138					\$675
Grades 8-9: Crafting the High School Essay Writing Workshop [2 hours]	8139		8140					\$675

*Note: See page 13 for listings of afternoon course sections that provide a physical seat in a supervised classroom where your student can take an online class offered at that time.

These classes will be taught in person on the De Anza College campus.



ART AND DESIGN

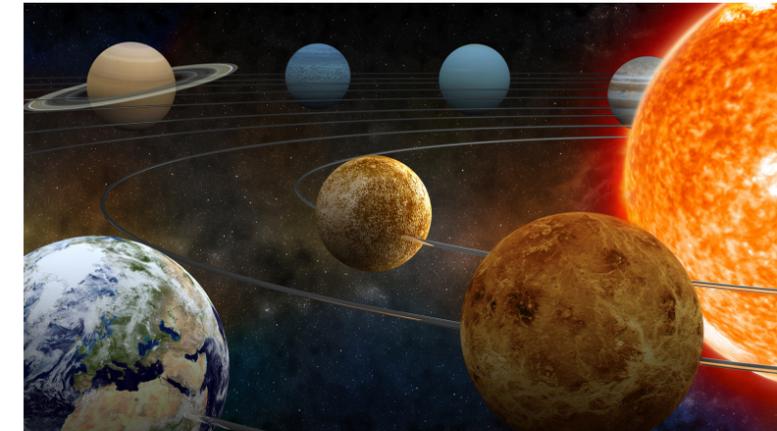
DRAWING, PAINTING AND MIXED MEDIA

Entering Grades 9-12 – Students in this class will explore traditional and contemporary drawing, painting, and mixed-media styles from Photorealism to Pop Art, and work on developing their own styles. Demonstrations and artist presentations will complement studio time and creative thinking challenges. In addition to individual projects, students can participate in creating a mural inside the Euphrat Museum, to be included in a fall 2022 exhibition.



Art and Design courses are offered in partnership with the Euphrat Museum of Art

deanza.edu/euphrat



SCIENCE

PLANETARIUM ASTRONOMY

Entering Grades 9-12 – This introductory astronomy course will introduce the physical principles, logic and development of stellar astronomy from ancient times to the present, with emphasis on recent developments. Students will examine the relationship of earth to its deep-space environment and contrast the sun with other types of stars. The class will also cover earth and sky relationships, explore the solar system and study theories of its origin as well as properties of other stars' planetary systems. This course is held in the De Anza College Planetarium, providing access to state-of-the-art equipment and unique learning tools.

CLASS SCHEDULE – ENTERING GRADES 9-12: JULY 18-29 (DE ANZA COLLEGE CAMPUS)	CLASS 1 10-11:50 a.m.	CLASS 2 12:30-2:20 p.m.	FEE
ART AND DESIGN			
Drawing, Painting and Mixed Media	8168	8169	\$795
SCIENCE			
Planetarium Astronomy	8170		\$795

These classes will be taught online.



Art and Design courses are offered in partnership with the Euphrat Museum of Art
deanza.edu/euphrat



ART AND DESIGN DIGITAL CARTOONING AND COMICS

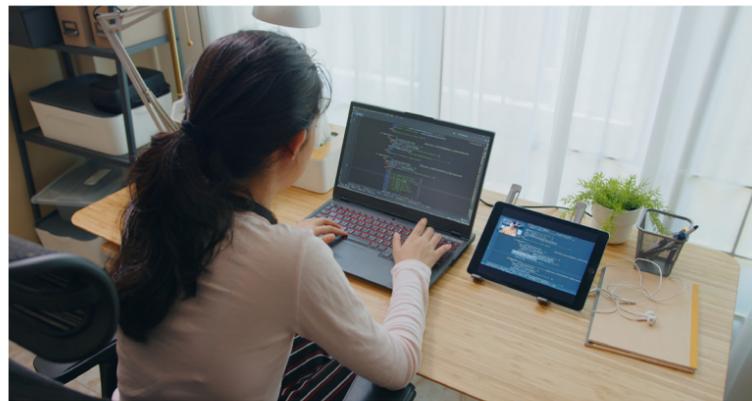
Entering Grades 9-12 – Picture writing is a primary way that information and ideas are shared and shaped in the digital world. This class will explore different aspects of modern cartooning from comics journalism and fantasy genres to graphic novels. Students will learn to use free design software and develop their own artistic style and engaging comic narratives.

- Students will use free-of-charge software programs.

GRAPHIC DESIGN WORKSHOP

Entering Grades 9-12 – Students in this class will learn how to use Adobe Photoshop interfaces for graphic design projects. They'll create logos, infographic posters, magazine covers and more. Students will also explore the work and styles of well-known graphic designers and participate in critical and creative thinking exercises to help inspire originality.

- Students will need access to an Adobe Photoshop subscription, which parents or guardians are responsible for obtaining.



COMPUTER PROGRAMMING

JAVA PROGRAMMING: BEGINNING

Entering Grades 9-12 – This is an introduction to computer programming with the Java language, using object-oriented programming principles. Students will learn about Java primitive and nonprimitive data types, control flow constructs, built-in class libraries, and object-oriented programming concepts such as classes, objects, method overloading and encapsulation. Typical assignments will cover built-in and programmer-defined classes, basic input and output operations, and solving programming problems.



JAVA PROGRAMMING: INTERMEDIATE

Entering Grades 9-12 – This class is for students who have basic Java programming skills and want to start building real-world applications. Java provides a vast set of tools that can be used for games and websites. This class will include object-oriented programming and some of the advanced tools that are commonly used on Java development projects – including inheritance and abstraction, interfaces, nested classes, regular expressions, collections, dates and I/O.

PYTHON PROGRAMMING: BEGINNING

Entering Grades 9-12 – This course introduces students to basic elements of the Python programming language, including data types, control structures, algorithm development and program design with functions. Students will be defining new object classes, creating interactive applications with buttons, learning about animation and creating an interactive game using Python. The instructor will also cover fundamental principles of object-oriented programming, as well as data and information processing techniques.

PYTHON PROGRAMMING: INTERMEDIATE

Entering Grades 9-12 – This course will help students strengthen their skills and build on what they have learned in previous introductory classes. Through practical examples, students will gain a deeper understanding of programming and how it is applied in the real world. Projects will reinforce their understanding of fundamentals while encouraging experimentation and exploration. Students will learn about building a platform and applications using Python installation, variables, operators, strings, lists, tuples and maps, Turtle, drawing, conditional statements, loops, functions, objects and classes.



These classes will be taught online.

These classes will be taught online.



MATHEMATICS

INTRODUCTION TO HIGH SCHOOL ALGEBRA 1*

Entering Grades 9-10 – This class will introduce students to major themes and concepts in first-year algebra. Students will engage in hands-on applications and problem-solving exercises designed to promote conceptual understanding and enhance logical thinking skills. Topics covered will include properties in algebra, polynomials, solving and applying equations, factoring, the quadratic formula, solving and graphing linear and variable equations, radical expressions and other subjects as time permits.

INTRODUCTION TO HIGH SCHOOL ALGEBRA 2*

Entering Grades 9-12 – This course emphasizes critical thinking, understanding of real-world applications and the use of advanced problem-solving techniques. Students will gain an understanding of functions by using a graphical approach to contextualizing relationships, including linear, quadratic, absolute value, exponential and polynomial rational expressions. Students will learn

how to define every relation as a transformation and translation of a parent function.

- Students should bring a pencil, eraser, small ruler, graph paper and TI-84 calculator (or equivalent) daily.

INTRODUCTION TO HIGH SCHOOL CALCULUS CONCEPTS

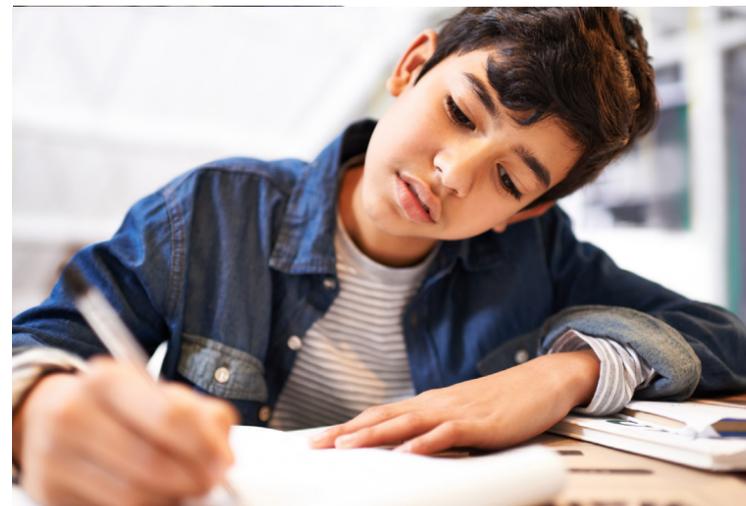
Entering Grades 9-12 – This course will introduce students to limits, derivatives, differentiation and integration. Students will receive guided exposure to concepts of calculus so they are better prepared for calculus courses during the academic year. Students will improve their understanding of equations, graphs and proofs, including the study of vectors and polar coordinates, advanced inequalities and series. The class will transition from advanced applications of key precalculus concepts to more traditional calculus problems. Students will study and apply a combination of graphical, numerical and symbolic representations as they gain familiarity with each of the key calculus concepts throughout the course.

- Students should bring a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator daily.



**Meets Common Core standards*

These classes will be taught online.



INTRODUCTION TO HIGH SCHOOL GEOMETRY*

Entering Grades 9-12 – This course will introduce students to Euclidean geometry and assist them in understanding two- and three-dimensional space. Students will develop important basic geometry skills and explore various proofs through logical deduction. The course will include hands-on explorations of geometric transformations, similar and congruent polygons, area and volume of solids, two- and three-dimensional polygons and polyhedra as well as the Pythagorean theorem.

INTRODUCTION TO HIGH SCHOOL TRIGONOMETRY*

Entering Grades 9-12 – Students in this class will learn how to convert to radians, find arc and sector lengths, and study the six preliminary trigonometric functions. Students will use the terminal ray of an angle in standard position, graph the functions and use the unit circle.

- Students should bring a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator daily.

**Meets Common Core standards*

***Meets Next Generation Science standards*



SCIENCE

ESSENTIAL HIGH SCHOOL CHEMISTRY PRINCIPLES**

Entering Grades 9-12 – This course is designed to preview some of the main topics in high school chemistry. Students will learn about dimensional analysis, the periodic table, stoichiometry and gas laws. The class will investigate the structures and properties of matter, chemical reactions, and the energy and forces that drive these interactions. Students will be expected to use algebra to explain these ideas. Students will be challenged to solve problems and answer complex questions in pairs and group work. This is not a lab class, but students will complete activities and projects such as building their own periodic table and creating molecule models to promote understanding and retention.

These classes will be taught online.

ESSENTIAL HIGH SCHOOL PHYSICS PRINCIPLES**

Entering Grades 10-12 – This course will help students prepare for high school physics. The instructor will emphasize conceptual understanding in describing natural phenomena, while introducing the use of mathematical reasoning in the central concepts of physics. The class will cover basic mechanics, including the properties of matter, motion, forces and energy. Students will examine basic physical laws as they apply to everyday physical phenomena. Students will use verbal logic, critical thinking and some mathematics in this course.

HANDS-ON ASTRONOMY**

Entering Grades 9-12 (*Recommended prerequisite: Students should have taken a high school algebra class and have some familiarity with geometric and trigonometric principles.*) – This class will examine the ways that astronomers apply tools and concepts from science, math and technology to investigate the universe. Students will measure the brightness, color, temperature, composition, size and distance of objects like stars, galaxies, planets and moons. Students will make these measurements relying on real data from a variety of telescopes. They will use image processing software to display and explore real astronomical images in the same way that professional astronomers do, modeling the kinds of processes and discoveries that truly advance science. Students will use a remote telescope to capture changes in a star's brightness and determine whether the star has an exoplanet orbiting it – and, if so, the planet's size and distance from the parent star.

- Some activities for this astronomy class require the use of a printer and laptop or desktop computer with Windows Version 8 or higher, or a modern MacOS.



TEST PREPARATION

SAT: MATHEMATICS [2 HOURS AND 15 MINUTES]

Entering Grades 9-12 – This course will help students prepare for the math section of the SAT, including changes that have been made since the introduction of Common Core state standards. The instructor will address different types of math questions on the test, while also teaching general skills for success and focusing on each student's broader purpose and goals. The class will also cover concepts that can be applied to other math classes and everyday life.

- Students must purchase Barron's SAT Study Guide Premium, 2021-2022 (Reflects the 2021 Exam Update): 7 Practice Tests + Comprehensive Review + Online Practice (Barron's Test Prep) Thirty-first Edition ISBN-13: 978-1506281605 or ISBN-10: 1506281605.

****Meets Next Generation Science standards**



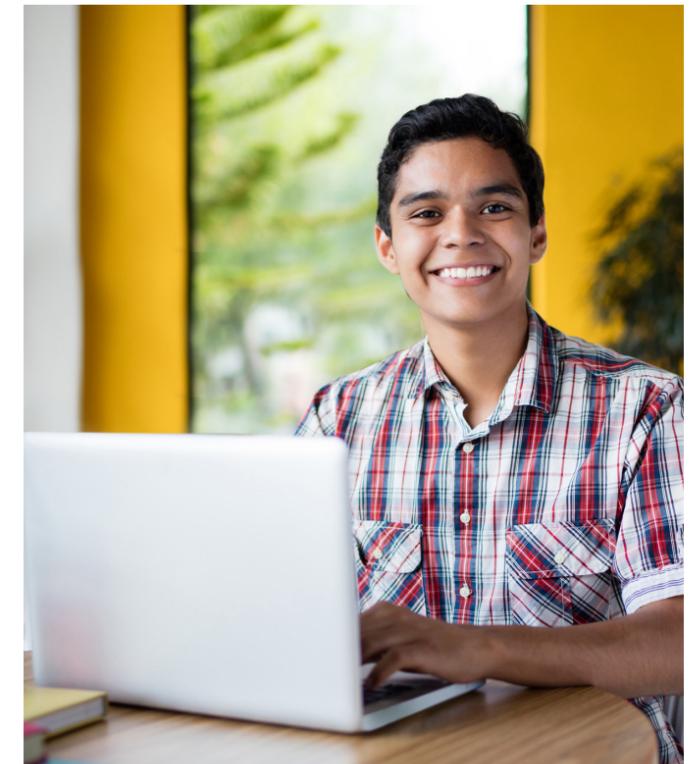
***Meets Common Core standards**

These classes will be taught online.

SAT: WRITING AND LANGUAGE, READING AND ESSAY [2 HOURS AND 15 MINUTES]

Entering Grades 9-12 – This course will help each student prepare an individualized plan for SAT preparation, while providing extensive opportunities to practice for the Writing and Language, Reading and Essay sections of the test. Students will learn and practice strategies for all types of questions they may encounter. The class also covers planning for vocabulary enhancement and provides class time for skills development, including evidence-based interpretation, applying context in analysis, and understanding organization and structure for sentences, passages and essays.

- Students must purchase Barron's SAT Study Guide Premium, 2021-2022 (Reflects the 2021 Exam Update): 7 Practice Tests + Comprehensive Review + Online Practice (Barron's Test Prep) Thirty-first Edition ISBN-13: 978-1506281605 or ISBN-10: 1506281605.



WRITING

EXPOSITORY READING AND WRITING*

Entering Grades 9-12 – Expository reading and writing skills will help students excel on the reading and writing portions of standardized tests, while also developing lifelong literacy and college readiness. In this course, students will learn to read critically, make predictions about texts, analyze content and rhetorical structures, and properly use materials from texts to support their own written arguments. Readings will be enhanced through expository writing, most often through timed essays. Students will learn to organize ideas and construct persuasive arguments that advance their own ideas with a developed voice.

These classes will be taught online.

INTRODUCTION TO BASIC HIGH SCHOOL WRITING STRUCTURES*

Entering Grades 9-10 – This course will teach students to engage in writing as a process, with particular attention to diction, argumentation and thoughtful integration of evidence. Students will learn to craft a basic, five-paragraph essay – emphasizing structure, clarity and argument – in response to informational texts and fictional short stories. Students will also learn to recognize and correct grammatical errors involving subject-verb agreement, verb form, verb tense, pronouns, modifiers, fragments, run-ons and basic punctuation. This highly interactive class includes peer review, drafting and workshops.

PERSUASIVE WRITING AND THE FUNDAMENTALS OF ARGUMENT*

Entering Grades 9-12 – This course emphasizes rhetorical study and evidence-based analytics and argumentation in clear and efficient writing. Students will analyze and discuss literary, historical and expository texts, while learning about the creation of a clear and arguable thesis, interesting introductions and conclusions, thoughtful outlining and correct mechanics. Students will also practice writing persuasive essays that employ rhetorical strategies and sound principles of argument. The course is designed to help students develop the depth and scope of their writing, while improving their research skills.

**Meets Common Core standards*



CLASS SCHEDULE - ENTERING GRADES 9-12: JUNE 13-JULY 22	CLASS 1 9-10 a.m.	CLASS 2 10:15-11:15 a.m.	CLASS 3 11:30 a.m.-12:30 p.m.	CLASS 4 1:30-2:30 p.m.	CLASS 5 2:45-3:45 p.m.	FEE
ART AND DESIGN						
Digital Cartooning and Comics					8167	\$795
Graphic Design Workshop	8144	8145				\$795
COMPUTER PROGRAMMING						
JAVA Programming: Beginning Level	8049	8050	8051			\$795
JAVA Programming: Intermediate Level				8052		\$795
Python Programming: Beginning Level	8053	8054				\$795
Python Programming: Intermediate Level			8055			\$795
MATHEMATICS						
Introduction to High School Algebra 1: (Grades 9-10)					8061	\$795
Introduction to High School Algebra 2	8057	8058	8059			\$795
Introduction to High School Calculus Concepts			8062	8063		\$795
Introduction to High School Geometry				8056		\$795
Introduction to High School Trigonometry		8060				\$795
SCIENCE						
Essential High School Chemistry Principles		8064	8065	8066		\$795
Essential High School Physics Principles			8067	8068		\$795
Hands-On Astronomy				8069		\$795
TEST PREP						
SAT: Mathematics			8070 (meets 11:45 a.m. to 2 p.m.)			\$1,495
SAT: Writing and Language, Reading and Essay		8071	8072 (meets 11:45 a.m. to 2 p.m.)			\$1,495
WRITING						
Introduction to Basic High School Writing Structures: Grades 9-10				8073	8074	\$795
Expository Reading and Writing			8077	8078		\$795
Persuasive Writing and the Fundamentals of Argument	8075	8076				\$795

Elementary and Middle School Grades 4-9: Register March 15-June 13

High School Grades 9-12 (Online Classes): Register March 15-June 10

High School Grades 9-12 (In-Person Classes at De Anza): Register March 15-Jul 12

Visit deanza.edu/academy to review program details and check class availability.

When you're ready to enroll, follow the steps listed online to register. All student class registrations require a parent or guardian to complete the online waiver form and the emergency medical release and information form before completing the registration.

Once payment is successfully processed, you will receive a class confirmation by email.

When selecting classes for your child: Students should enroll at the grade level they will enter in fall 2022. For example, if your student is completing Grade 5 in June 2022, they should be enrolled in classes listed for Grade 6.

Grades 4-9 at Cupertino Middle School: If you want your student to remain on the school site for more than one class period, they must be enrolled in classes that are held consecutively. For safety reasons, students may not have gaps in their daily schedules. Students should be picked up immediately after their last class of the day.

Grades 9-12 at De Anza College campus: Please be advised that students will be supervised during class time only.

DAILY SCHEDULE

CUPERTINO MIDDLE SCHOOL (GRADES 4-9)

- Class 1: 8:30-9:30 a.m.
- Class 2: 9:35-10:35 a.m.
- Break: 10:35-10:50 a.m.
- Class 3: 10:55-11:55 a.m.
- Class 4: noon-1 p.m.
- Lunch Break: 1-1:45 p.m.
- Class 5: 1:50-2:50 p.m.
- Class 6: 2:55-3:55 p.m.
- Class 7: 4-5 p.m.

ONLINE CLASSES (GRADES 6-9)

- Class 1: 9-10 a.m.
- Class 2: 10-11 a.m.
- Class 3: 11:15 a.m.-12:15 p.m.
- Class 4: 12:15-1:15 p.m.
- Class 5: 1:50-2:50 p.m.
- Class 6: 2:55-3:55 p.m.
- Class 7: 4-5 p.m.

DE ANZA COLLEGE (GRADES 9-12)

- Class 1: 10-11:50 a.m.
- Class 2: 12:30-2:20 p.m.

ONLINE CLASSES (GRADES 9-12)

- Class 1: 9-10 a.m.
- Class 2: 10:15-11:15 a.m.
- Class 3: 11:30 a.m.-12:30 p.m.
- Class 4: 1:30-2:30 p.m.
- Class 5: 2:45-3:45 p.m.

QUESTIONS?
We're happy to help!
408.864.8817
communityeducation@deanza.edu

No classes will be held Monday, July 4

ADDING A CLASS

All student class registrations require a parent or guardian to complete the online waiver form and the emergency medical release and information before completing the registration.

GRADES 4-9

- **Through June 13:** Students may add classes online if space is available.
- **June 14-19:** Registration will be closed for adding classes until June 20.
- **June 20-22:** Students who are already enrolled may add available classes in person at the school site only.

GRADES 9-12 (Online classes)

- **Through June 10:** Students may add classes online if space is available.

GRADES 9-12 (Two-week classes at De Anza College)

- **Through July 14:** Students may add classes online if space is available.

CHANGING A CLASS

Class change requests are processed depending on seat availability and must be emailed to communityeducation@deanza.edu by the deadlines listed below. In-person class change requests will be accepted between June 20-22 for grades 4-9 at the school site.

GRADES 4-9

- **Before June 13:** No fee for course change requests
- **June 14-19-:** Registration will be closed for changing classes until June 20.
- **June 20-22:** Change classes in person at registered school site. A 10% fee per class is applicable for course change requests.
- No class changes will be processed after June 22.

GRADES 9-12 (Online classes)

- **Before June 10:** No fee for course change requests
- **June 11-12:** Registration will be closed for changing classes until June 13.
- **June 13-15:** Change class request via email. A 10% fee per class is applicable for course change requests.
- No class changes will be processed after June 15.

GRADES 9-12 (Two-week classes at De Anza College)

- **Before July 14:** No fee for change requests
- **July 15-17:** Registration will be closed for changing classes until July 18.
- **July 18:** Request changes in person at the De Anza College Community Education office only; a 10% fee per class is applicable for course change requests.
- No class changes will be processed after July 18.

DROPPING CLASSES FOR A REFUND

To drop a class, use the cancel option on the student's account dashboard of the Augusoft online registration system. Refunds are subject to service fees, and will be credited back to the original method of payment.

Administrative drops due to disruptive and inappropriate student behavior will result in dismissal from the program without a refund.

REFUND DEADLINES AND SERVICE FEES

GRADES 4-9

- Before April 18: \$35 fee per dropped class
- April 18-May 23: \$50 fee per dropped class
- After May 23: No refunds will be issued.

GRADES 9-12 (Online classes)

- Before April 15: \$35 fee per dropped class
- April 15-May 16: \$50 fee per dropped class
- May 17-June 10: \$75 fee per dropped class
- After June 10: No refunds will be issued.

GRADES 9-12 (Two-week classes at De Anza College)

- Before June 27: \$75 fee per dropped class
- June 28 -July 8: \$100 fee per dropped class
- After July 8: No refunds will be issued.

All drop and refund requests received past final request deadlines, for extenuating circumstances, will be considered for a 50% refund, on an individual basis, by the dean of Community Education. Materials fees and lab fees are nonrefundable.

COVID-19 GUIDELINES AND FACE MASK POLICY

Students, staff, teachers and visitors will be asked to comply with guidelines and protocols recommended by the Santa Clara County Department of Public Health and the Foothill-De Anza Community College District, in consultation with CDC guidelines. At this time, we expect to require masks for all students, teachers, staff members and visitors on campus. For updates on these policies or other requirements, please visit deanza.edu/academy or contact us at **communityeducation@deanza.edu**.

CLASSROOM ASSIGNMENTS

You will be notified by email of room assignments for each of your child's classes a few days before the start of the program. Room listings and site maps may also be found online the week before the start of the program and will be posted at the school site on the first day of classes.

VIRTUAL CLASSROOM INFORMATION

Online classes will be held via the Canvas online learning platform. You can reach Canvas by logging in to your student account in the Augusoft registration system and clicking the "Go to class" link that appears after each class listed in "Current Registrations." Please contact **communityeducation@deanza.edu** if you need assistance with accessing your class or account.

STUDENT CONDUCT, SUPERVISION AND BREAKS

Students must observe all classroom rules, follow online class etiquette expectations and adhere to Foothill-De Anza Community College District Board Policy 3250. Failure to follow these rules or engage in any form of bullying and harassment, whether in person or online, may result in removal from the program without a refund.

Students attending classes at Cupertino Middle School will be supervised during morning, lunch breaks and passing periods; however, there is no supervision for students before or after the program. For safety and supervision reasons, students must be enrolled in consecutive class periods. Please send a snack with your student each day for morning and lunch breaks. Any parents coming to campus **MUST** check-in at the administration office. Parents may not wait for their child outside the classroom or attend class with their child.

Students attending classes on the De Anza College campus will be supervised during class time only. Parents may not attend class with their students. Parking permits are required outside of drop-off zones and can be purchased daily for \$3 or quarterly from the Foothill-De Anza district police department. No food service is available on Fridays.

De Anza College Academy is not responsible for lost or stolen items. Students should secure their belongings.

REVIEW YOUR CLASS CONFIRMATIONS

To ensure your student is in the correct class, please review the confirmation and transaction receipts emailed to you at the time of enrollment. You may also log in to the registration system with your chosen user name and password at any time to check your current enrollment.

There are no wait lists available for full classes.

REPORTING STUDENT ABSENCES

Please email **attendance@deanza.edu** to notify us when your student is unable to attend their in-person or online class or classes.

Courses, class schedules and locations may be subject to change. We regret any discrepancies or typographical errors. Please be advised that the most current information will be available at **deanza.edu/academy**.

Thank You to Our Program Partners



CUPERTINO UNION
SCHOOL DISTRICT



EUPHRAT
MUSEUM OF ART
deanza.edu/euphrat



1. Cupertino Middle School
1650 S. Bernardo Ave.
Sunnyvale, CA 94087
(Grades 4-9)

2. De Anza College
21250 Stevens Creek Blvd.
Cupertino, CA 95014
(Grades 9-12)



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The logo for DeAnza College Academy, featuring the text "DeAnza College" in a serif font with a stylized archway icon between the words, and "ACADEMY" in a large, bold, black sans-serif font below it. The background is a yellow banner with a repeating pattern of various educational icons like books, globes, and graduation caps.

DeAnza College ACADEMY

SUMMER YOUTH ENRICHMENT PROGRAM FOR GRADES 4-12

Now in our 38th Year!

CLASSES INCLUDE

**Art and Design, Mathematics, Science, Programming,
Writing, Test Preparation and more!**



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NOW!**

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