COMMUNITY EDUCATION | SUMMER 2023

DeAnza College ACADEMY

IN-PERSON AND ONLINE
SUMMER YOUTH ENRICHMENT PROGRAM
FOR GRADES 5-12

ENROLL NOW!

deanza.edu/academy

EUPHRAT
MUSEUM OF ART
deanza.edu/euphrat

DeAnza College

Have Fun at Summer Art Camp – Hosted by the Euphrat Museum of Art!



These weeklong art camps offer a fun, creative outlet for kids under 10. It's a chance to learn new skills, explore different art forms and make friends!

Art in the Park Drawing Camp – Ages 6-9

Your child will have fun in the park and the craft room, drawing subjects from nature and outdoor scenes to animals and superheroes. Different drawing techniques will be introduced each day. Students will improve fundamental skills and learn about drawing from life and the imagination.

- Craft Room at Quinlan Community Center in Cupertino
- **July 31-Aug. 4 (M-F): 9 a.m. to noon**

First Steps Art Camp – Ages 4-6

This camp will enhance your child's creative thinking, problem-solving ability, imagination and self-expression through a series of fun, age-appropriate hands-on art projects. Students will begin with drawing and painting before moving into clay and sculpture. Exciting new themes and ideas will be introduced each day.

- Craft Room at Quinlan Community Center in Cupertino
- **July 24-28 (M-F): 9 a.m. to noon**

Summer Art Camp – Ages 6-9

Your camper will explore different art forms and gain confidence in their own creative abilities! Representational drawing, painting, and sculpture lessons will be presented with a focus on learning to see, analyze and interpret. Students will also learn about different styles and artists from around the world. Two sessions of this camp will be offered.

- Craft Room at Quinlan Community Center in Cupertino
- **July 17-21 (M-F): 9 a.m.-noon**
- **Aug. 7-11 (M-F): 9 a.m.-noon**

Register Now at reg4rec.org

All camps will be held at
Quinlan Community Center, 10185 N. Stelling Road, Cupertino, CA 95014

De Anza College ACADEMY

SUMMER YOUTH ENRICHMENT PROGRAM FOR GRADES 4-12

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 5-12.

Online Registration Dates

Grades 5-9: March 14-June 12 | Grades 9-12: March 14-June 16 |
Two-week Courses: March 14-July 10

Class Dates

Grades 5-9: June 20-July 28 | Grades 9-12 Online: June 20-July 28 |
Grades 9-12 at De Anza College: July 17-28

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 three sites – Cupertino Middle School, Hyde Middle School and De Anza College.

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.

DeAnza College ACADEMY

These classes will be taught at Cupertino Middle School and Hyde Middle School.

ART AND DESIGN

CERAMICS AND SCULPTURE

Entering Grades 6-9 – Students will learn how to design, plan and create sculptures using ceramic and polymer clay, mixed media and recycled materials. They will view works by notable artists from 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 5-7 – 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.

DRAWING AND PAINTING

Entering Grades 5-7 – Using ingenuity and a range of media, students will explore drawing and painting 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.

PAINTING, DRAWING AND DESIGN

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, painting and design techniques, and build observational and creative thinking skills. Lessons will include multipoint perspective and depicting shadow and light sources as well as creating dynamic compositions and content.

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

deanza.edu/euphrat

EUPHRAT MUSEUM OF ART

Register at **deanza.edu/academy**
408.864.8817 • communityeducation@deanza.edu

DeAnza College ACADEMY

June 20-July 28
GRADES 5-9
COURSE DESCRIPTIONS

These classes will be taught at Cupertino Middle School and Hyde Middle School.

PAINTING AND PRINTMAKING

Entering Grades 6-9 – Learn how to do silkscreen printing and develop your personal painting style! Students will practice contemporary and traditional painting and printmaking techniques and examine works by artists from around the world. Creative expression, cultural awareness, problem-solving and critical thinking will be emphasized and encouraged.

COMPUTER PROGRAMMING

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.

MATHEMATICS

**Meets Common Core Standards*

The Math Preparation series is 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 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.

DeAnza College ACADEMY

These classes will be taught at Cupertino Middle School and Hyde Middle School.

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 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 2023-24 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.

***Meets Common Core standards**

DeAnza College ACADEMY

These classes will be taught at Cupertino Middle School and Hyde Middle School.

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 2023-24 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.

- **Required materials:** 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 2023-24 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, 2D and 3D polygons and polyhedra as well as the Pythagorean theorem.

***Meets Common Core standards**

MODERN LANGUAGES

SPANISH: BEGINNING

Entering Grades 5-8 – 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

***Meets Next Generation Science Standards*

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.

DeAnza College ACADEMY

These classes will be taught at Cupertino Middle School and Hyde Middle School.

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. This course refines public-speaking skills and introduces 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 5-8 – 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 5-9 – 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.

- **Required materials:** Students must wear rubber-soled athletic shoes.

DeAnza College ACADEMY

These classes will be taught at Cupertino Middle School and Hyde Middle School.

WRITING

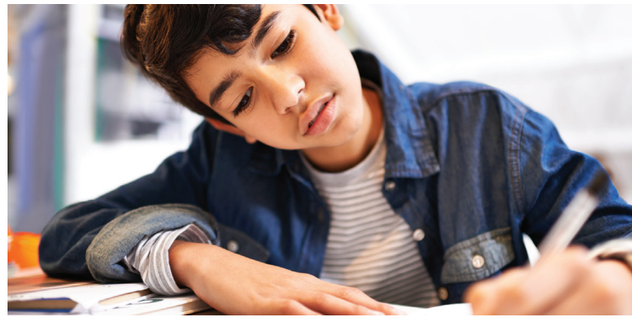
**Meets Common Core Standards*

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 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.

GRAMMAR, VOCABULARY, READING AND WRITING: 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.

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.

DeAnza College ACADEMY

DeAnza College ACADEMY

June 20-July 28
GRADES 5-9
CLASS SCHEDULE

CUPERTINO MIDDLE SCHOOL

CLASS SCHEDULE – ENTERING GRADES 5-9	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.	FEE
ART AND DESIGN											
Grades 6-9: Ceramics and Sculpture		8350		8351	8352						$675
Grades 5–7: Clay and Sculpture								8349			$675
Grades 5–7: Drawing and Painting		8346		8347	8348						$675
Grades 6-9: Painting, Drawing and Design		8342		8343	8344						$675
Grades 6-9: Printmaking and Painting								8345			$675
ATHLETICS											
Grades 5-9: Basketball Skills and Drills				8228	8229		Open Gym at Lunch	8230			$675
COMPUTER PROGRAMMING											
Grades 6-9: Python Programming: Beginning Level [2 hours]	8231			8232					8233		$1,295
MATHEMATICS											
Grade 5: Math Boost		8234		8235							$675
Grade 6: Math Preparation	8236				8237						$675
Grade 7: Math Preparation	8238				8239						$675
Grade 8: Math Preparation		8240		8241							$675
Grades 7-9: Introduction to High School Algebra 1		8242		8243	8244						$675
Grades 7-9: Introduction to High School Algebra 2 - Foundations for Functions	8245										$675
Grades 7-9: Introduction to High School Geometry and Spatial Sense								8246	8247		$675

Class schedule continued on page 10

DeAnza College ACADEMY

DeAnza College ACADEMY

June 20-July 28
GRADES 5-9
CLASS SCHEDULE

CUPERTINO MIDDLE SCHOOL

CLASS SCHEDULE – ENTERING GRADES 5-9	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.	FEE
MODERN LANGUAGES											
Grades 5-8: Spanish: Beginning									8248	8249	$675
SCIENCE											
Grades 7-9: Chemistry Fundamentals	8250	8251		8252							$675
Grades 7-9: Physics Lab					8253			8254	8255		$675
SPEECH AND DEBATE											
Grades 5-8: Public Speaking	8256	8257		8258							$675
Grades 6-9: Debate and Critical Thinking								8259	8260	8261	$675
WRITING											
Grade 5: Grammar, Vocabulary, Reading and Writing	8262				8263						$675
Grade 6: Grammar, Vocabulary and Writing Structures		8264						8265			$675
Grade 7: Grammar, Vocabulary and Writing Structures				8266					8267		$675
Grades 7-9: Introduction to Basic High School Writing Structures		8365		8366	8367			8368			$675

DeAnza College ACADEMY

June 20-July 28
GRADES 5-9
CLASS SCHEDULE

HYDE MIDDLE SCHOOL

CLASS SCHEDULE – ENTERING GRADES 5-9:	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.	FEE
ART AND DESIGN											
Grades 6-9: Ceramics and Sculpture		8360		8361	8362						$675
Grades 5–7: Clay and Sculpture								8359			$675
Grades 5–7: Drawing and Painting		8356		8357	8358						$675
Grades 6-9: Painting, Drawing and Design		8353		8354	8355						$675
ATHLETICS											
Grades 5-9: Basketball Skills and Drills				8274	8275		Open gym at Lunch	8276			$675
COMPUTER PROGRAMMING											
Grades 6-9: Python Programming: Beginning Level [2 hours]		8277			8278				8279		$1,295
MATHEMATICS											
Grade 5: Math Boost		8280		8281							$675
Grade 6: Math Preparation	8282				8283						$675
Grade 7: Math Preparation	8284				8285						$675
Grade 8: Math Preparation		8286		8287							$675
Grades 7-9: Introduction to High School Algebra 1		8288		8289	8290						$675
Grades 7-9: Introduction to High School Algebra 2 - Foundations for Functions	8291										$675
Grades 7-9: Introduction to High School Geometry and Spatial Sense								8292	8293		$675

Class schedule continued on page 14

DeAnza College ACADEMY

June 20-July 28
GRADES 5-9
CLASS SCHEDULE

HYDE MIDDLE SCHOOL

CLASS SCHEDULE – ENTERING GRADES 5-9	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.	FEE
MODERN LANGUAGES											
Grades 5-8: Spanish: Beginning									8294	8295	$675
SCIENCE											
Grades 7-9: Chemistry Fundamentals	8296	8297		8298							$675
Grades 7-9: Physics Lab					8299			8300	8301		$675
SPEECH AND DEBATE											
Grades 5-8: Public Speaking	8302	8303		8304							$675
Grades 6-9: Debate and Critical Thinking								8305	8306	8307	$675
WRITING											
Grade 5: Grammar, Vocabulary, Reading and Writing	8308				8309						$675
Grade 6: Grammar, Vocabulary and Writing Structures		8310						8311			$675
Grade 7: Grammar, Vocabulary and Writing Structures				8312					8313		$675
Grades 7-9: Introduction to Basic High School Writing Structures	8369	8370		8371	8372						$675

De Anza College ACADEMY

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

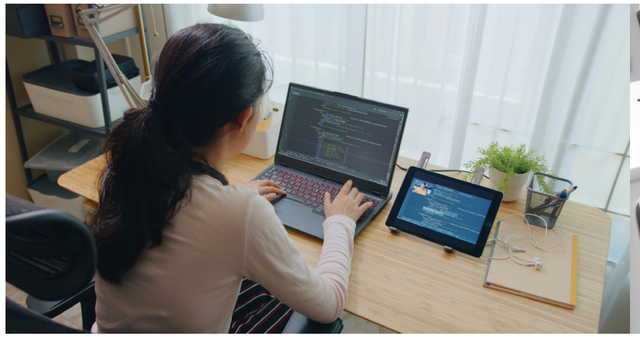
ART AND DESIGN

DRAWING AND PAINTING STUDIO

Entering Grades 9-12 – Students in this class will focus on drawing and painting fundamentals including sketching, shading, multi-point perspective, color mixing and anatomy of animals. They will also work on moving their observational and creative thinking skills to the next level, to develop a portfolio-quality piece that could be entered in an art competition or exhibit.

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

deanza.edu/euphrat



COMPUTER PROGRAMMING

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.

MATHEMATICS

**Meets Common Core Standards*

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.

- **Required materials:** Students will need 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.

- **Required materials:** Students will need a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator daily.

DeAnza College ACADEMY

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

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 PROBABILITY AND STATISTICS*

Entering Grades 9-12 – This course introduces students to the fundamental concepts of statistics and probability. Students will learn how to design studies that produce useful data, as well as how to analyze categorical data, how to display quantitative data with graphs and how to describe quantitative data with numbers. Students will study sampling and surveys as well as experiments and techniques for analyzing studies wisely. Students will learn how to calculate probabilities and interpret results in plain language.

Meets Common Core standards

DeAnza College ACADEMY

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

SCIENCE

***Meets Next Generation Science Standards*

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.

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.

DeAnza College ACADEMY

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

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.

***Meets Next Generation Science standards**

WRITING

**Meets Common Core Standards*

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.

DeAnza College ACADEMY

July 17-28
GRADES 9-12
COURSE DESCRIPTIONS

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

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**

July 17-28

GRADES 9-12
CLASS SCHEDULE

De Anza College ACADEMY

DE ANZA COLLEGE CAMPUS

CLASS SCHEDULE - ENTERING GRADES 9-12	CLASS 1 10-11:50 a.m.	CLASS 2 12:30-2:20 p.m.	CLASS 3 3-4:50 p.m.	FEE
ART AND DESIGN				
Drawing and Painting Studio: Grades 9-12		8363		$875
COMPUTER PROGRAMMING				
Python Programming: Beginning Level	8338	8339		$875
Python Programming: Intermediate Level			8340	$875
MATHEMATICS				
Introduction to High School Algebra 1: Grades 9-10		8326		$875
Introduction to High School Algebra 2	8327	8328		$875
Introduction to High School Calculus Concepts	8329	8330	8331	$875
Introduction to High School Geometry			8332	$875
Introduction to High School Probability and Statistics			8364	$875
SCIENCE				
Essential High School Chemistry Principles	8319	8320	8321	$875
Essential High School Physics Principles		8322	8323	$875
Planetarium Astronomy	8337			$875
WRITING				
Expository Reading and Writing			8324	$875
Introduction to Basic High School Writing Structures: Grades 9-10	8325			$875
Persuasive Writing and the Fundamentals of Argument	8335	8336		$875

Register at **deanza.edu/academy**
408.864.8817 • communityeducation@deanza.edu

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**
  (*Live presentation)

Saturday April 1 – Matinee Day
12:30 p.m. –The Secret of the Cardboard Rocket
2 p.m. – Magic Tree House
3:30 p.m. – Magic Tree House
5 p.m. –The Sky Tonight*

Saturday, April 8 – Closed

Saturday, April 15
2 p.m. – Big Bird's Adventure: One World, One Sky
3:30 p.m. – Magic Tree House
5 p.m. –Totality
7 p.m. – Laser Prince ★ NEW SHOW
8 p.m. – Pink Floyd: Dark Side of the Moon

Saturday, April 22
2 p.m. – Magic Tree House
3:30 p.m. – Magic Tree House
5 p.m. – Mexica Archeoastronomy
7:45 p.m. – Under the Stars With Blue Eternity (live music; tickets are $15)*

Saturday, April 29
2 p.m. – Magic Tree House
3:30 p.m. –The Moon
5 p.m. – Black Hole: The Other Side of Infinity
7 p.m. –That 80's Laser Show ★ NEW SHOW
8 p.m. – Laser Beatles: Sgt. Pepper

Saturday, May 6 – Matinee Day
12:30 p.m. – Big Bird's Adventure: One World, One Sky
2 p.m. – Magic Tree House
3:30 p.m. – Magic Tree House
5 p.m. –The Sky Tonight*

Saturday, May 13
2 p.m. – Big Bird's Adventure: One World, One Sky
3:30 p.m. – Magic Tree House
5:00 p.m. – Wayfinders: Waves, Winds and Stars
7 p.m. – Laser Journey
8 p.m. – Pink Floyd: Dark Side of the Moon

FIND US ON FACEBOOK
deanzaplanetarium

DeAnza College ACADEMY

These classes will be taught online.

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.

DeAnza College ACADEMY

These classes will be taught online.

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.

MATHEMATICS

**Meets Common Core Standards*

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.

- **Required materials:** Students will need 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.

- **Required materials:** Students will need a pencil, eraser, small ruler, graph paper and TI-84 calculator (or equivalent) daily.

DeAnza College ACADEMY

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, 2D and 3D 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.

- **Required materials:** Students will need a pencil, eraser, small ruler, graph paper and TI-84 calculator (or equivalent) daily.

Meets Common Core standards

***Meets Next Generation Science Standards*

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.

DeAnza College ACADEMY

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.

WRITING

**Meets Common Core Standards*

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.

***Meets Next Generation Science standards*

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.

June 20-July 28

GRADES 9-12

ONLINE CLASS SCHEDULE

De Anza College ACADEMY

ONLINE

CLASS SCHEDULE - ENTERING 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.	FEE
COMPUTER PROGRAMMING						
JAVA Programming: Beginning Level	8208	8209				$795
JAVA Programming: Intermediate Level			8210			$795
Python Programming: Beginning Level	8211		8212			$795
Python Programming: Intermediate Level		8213				$795
MATHEMATICS						
Introduction to High School Algebra 2	8214	8215				$795
Introduction to High School Calculus Concepts			8216	8217		$795
Introduction to High School Geometry				8219		$795
Introduction to High School Trigonometry		8218				$795
SCIENCE						
Essential High School Chemistry Principles	8220	8221				$795
Essential High School Physics Principles			8222			$795
WRITING						
Introduction to Basic High School Writing Structures: Grades 9-10					8223	$795
Expository Reading and Writing			8224	8225		$795
Persuasive Writing and the Fundamentals of Argument	8226	8227				$795

Register at **deanza.edu/academy**
408.864.8817 • communityeducation@deanza.edu

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 5-12)
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)
Not-for-credit classes in the arts, science, business, health and more!

deanza.edu/communityed

De Anza College ACADEMY

Elementary and Middle School Grades 5-9: Register March 14-June 12

Online High School Grades 9-12: Register March 14-June 16

In-Person High School Classes at De Anza College: Register March 14-July 10

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 emergency medical release and information form, and online waiver 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 2023. For example, if your student is completing fifth grade in June 2023, they should enroll in sixth-grade level classes.

Grades 5-9: 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: Students will be supervised only during class time.

DAILY SCHEDULE

CUPERTINO MIDDLE SCHOOL AND HYDE MIDDLE SCHOOL (GRADES 5-9)

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.

DE ANZA COLLEGE (GRADES 9-12)

Class 1: 10 a.m.-11:50 a.m.
Class 2: 12:30 p.m.-2:20 p.m.
Class 3: 3:00 p.m.-4:50 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.

No classes will be held on Monday, July 3, and Tuesday, July 4.

De Anza College ACADEMY

HOW TO
REGISTER ONLINE

HOW TO REGISTER / ADD A NEW CLASS

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

GRADES 5-9

- **Through June 12:** Add classes online, if space available.
- **June 13-19:** 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 their registered school site only.

GRADES 9-12 (Online classes)

- **Through June 16:** Add classes online, if space available.

GRADES 9-12 (De Anza College)

- **Through July 10:** Add classes online, if space available.
- **July 11-17:** Registration will be closed for adding classes until July 17.
- **July 17-19:** Students who are already enrolled may add available classes in person at their registered school site only.

CHANGE 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 5-9 and July 17-19 for grades 9-12 at the student's registered school site

GRADES 5-9

- **Before June 12:** No fee for course change requests.
- **June 13-19-:** 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 16:** No fee for course change requests.
- **June 17-19:** Registration will be closed for changing classes until June 20.
- **June 20-22:** Change class request via email. A 10% fee per class is applicable for course change requests.
- No class changes will be processed after June 22.

GRADES 9-12 (De Anza College campus)

- **Before July 10:** No fee for class change requests.
- **July 11-16:** Registration will be closed for changing seminars until July 17.
- **July 17-19:** 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 19.

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 or inappropriate student behavior will result in dismissal from the program without a refund.

REFUND DEADLINES AND SERVICE FEES

GRADES 5-9

- Before April 17: $35 fee per dropped class
- April 17-May 22: $50 fee per dropped class
- After May 22: No refunds will be issued

GRADES 9-12 (Online classes)

- Before April 17: $35 fee per dropped class
- April 17-May 15: $50 fee per dropped class
- May 16-June 16: $75 fee per dropped class
- After July 8: No refunds will be issued

GRADES 9-12 (De Anza College campus)

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

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

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

De Anza College ACADEMY

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 Zoom and 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 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.

In grades 5-9, students 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 for grades 5-9 may not use their mobile phones while on the school site campus during class or recreational times. Mobile phones should remain in student backpacks at all times until classes have concluded for the day.

Students attending in-person classes for grades 9-12 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 waiting 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

De Anza College Planetarium

EUPHRAT MUSEUM OF ART
deanza.edu/euphrat

DeAnza College
ACADEMY

IN- PERSON COURSE LOCATIONS

1. Cupertino Middle School
1650 S. Bernardo Ave.
Sunnyvale, CA 94087
(Grades 5-9)

2. Hyde Middle School
19325 Bollinger Road
Cupertino, CA 95014
(Grades 5-9)

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

De Anza College
21250 Stevens Creek Blvd.,
Cupertino, CA 95014

*******ECRWSSEDDM*******
RESIDENTIAL CUSTOMER

De Anza College
ACADEMY

SUMMER YOUTH ENRICHMENT PROGRAM FOR GRADES 5-12

Now in our 39th Year!

ENROLL NOW!

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Programming, Writing and more!

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deanza.edu/academy