



De Anza  
College

WINTER/SPRING 2021

# COMMUNITY EDUCATION

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

**REGISTER NOW!**  
**Classes Start Jan. 10**



De Anza College  
Planetarium

**VISIT THE STARS – VIRTUALLY!**  
**ONLINE FIELD TRIPS LED BY**  
**PLANETARIUM EXPERTS**  
[deanza.edu/planetarium/virtual-field-trips](https://deanza.edu/planetarium/virtual-field-trips)

# TABLE OF CONTENTS

## Arts and Music

Creating Art Like the Masters .....	4
Drawing with Traditional and Digital Strategies.....	4
You Can Play Guitar!.....	5
You Can Play Ukulele!.....	5

## Astronomy and Science

Applied Environmental Science .....	6
Astrophysics for Everyone.....	6
Einstein’s Theory of Relativity for Everyone .....	7

## Careers and Technology

Career and Success Strategies.....	7
You’re On the Air: How To Make It In Voice-Overs.....	8

## Health and Wellness

L.E.A.N. Start Online Nutrition .....	8
Natural Strategies for Sluggish Thyroid.....	9
Nutrition Workshop.....	10
Virtual Zumba .....	10

## De Anza College Academy

Arduino Programming - Beginning.....	13
Arduino Programming - Intermediate .....	13
Artists’ Studio.....	14
BBC Micro:Bit Programming – Beginning .....	14
Biology: From Molecules to Cells .....	15
Creating Art Like the Masters for Kids.....	15
Data Structures and Algorithms – Beginning.....	16
Data Structures and Algorithms – Intermediate to Advanced .....	16
Drawing and Animation – Beginning to Intermediate .....	17
Drawing and Painting Studio .....	18
Environmental Science: You and the Environment.....	18



Fun with Physics.....	19
Growth Mindset and the Power of Yet.....	19
HTML5 and CSS3 – Beginning to Intermediate.....	20
HTML5 and CSS3 – Intermediate to Advanced.....	20
iOS Mobile Development – Beginning to Intermediate.....	20
Java Programming – Beginning to Intermediate .....	21
Java Programming – Intermediate to Advanced .....	21
Javascript – Beginning to Intermediate .....	22
L.E.A.N. Start Online Nutrition for Kids.....	22
Literary Analysis .....	23
Machine Learning to Deep Learning – Beginning to Intermediate ..	24
Machine Learning to Deep Learning – Intermediate to Advanced ..	24
Object Oriented Programming Using C++ – Beginning to Intermediate .....	25
Object Oriented Programming Using C++ – Intermediate to Advanced .....	25
Physics in Action.....	26
PSAT Writing and Language Preparation.....	26
PSAT Math Preparation.....	27
Python Programming – Beginning .....	27
Python Programming – Beginning to Intermediate .....	28
Python Programming – Intermediate to Advanced .....	28
Raspberry Pi Using Python Programming – Beginning to Intermediate.....	29
SAT Mathematics .....	30
SAT Writing and Language, Reading and Essay .....	30
Scratch Programming – Beginning.....	31
Secrets of Drawing.....	31
UI/UX and Mobile App Development – Beginning to Intermediate ..	32
Web Development – Beginning to Intermediate.....	32
Writing Concepts I.....	33
Writing Concepts II .....	33

## Registration and Policies ..... 34-35

### Ed2Go for Teens and Adults

Online classes that you can access anytime and anywhere! ... 36-37

## Planetarium Field Trips ..... Back Cover



De Anza College

# SHORT COURSES

## Arts and Music



### CREATING ART LIKE THE MASTERS (430\*)

This course reviews eight renowned art masters from art history – including Matisse, Picasso and O’Keeffe. Students will be encouraged to imitate the style of each artist, as taught in class, and to experiment with each artist’s techniques while developing a masterpiece of their own. No art experience is required.

**Instructor:** Viviana Leija-Sysak is a visual artist who has worked in television production and as an art instructor in a variety of media, from drawing to video animation.

**Class requirements:** Tablet or computer with internet capability; watercolor pad with at least 10 pages; watercolor set with at least primary colors plus black; at least one brush; construction paper with a variety of colors; pencil (any

type); eraser (any type); scissors and a glue stick. Must be age 18 or older. (For younger students, see “Creating Art Like the Masters for Kids” in the De Anza College Academy section of this catalog.)

**Cost:** \$165

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 14, 21 and 28, Feb. 4, 11 and 25, March. 4 and 11 (eight Thursdays; no class on Feb. 18), 7-8 p.m.

**Session 2:** March 18 and 25, April 1, 15, 22 and 29, May 6 and 13 (eight Thursdays; no class on April 8), 7-8 p.m.

### DRAWING WITH TRADITIONAL AND DIGITAL STRATEGIES (536\*)

Now is a great time to expand your creativity! This class will introduce adults to the art of drawing with traditional and digital strategies, while reviewing basic art concepts including value, texture and perspective. Students will produce a drawing for each class, with a weekly follow-up and gallery time.

**Instructor:** Viviana Leija-Sysak is a visual artist who has worked in television production and as an art instructor in a variety of media, from drawing to video animation.

**Class requirements:** Tablet or computer with internet capability; graphic pencil (4B recommended but a regular school pencil can do); white paper (sketch book or more than 20 sheets of regular copy paper); eraser (any kind); sharpener; 12-inch ruler; markers (primary colors plus black, or box of eight). Digital stylus is optional. Students will need to download a free digital app after registration. Must be age 18 or older.

**Cost:** \$165

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 15, 22 and 29, Feb. 5, 12 and 26, March 5 and 12 (eight Fridays; no class on Feb. 19), 6-7 p.m.

**Session 2:** March 19 and 26, April 2, 16, 23 and 30, May 7 and 14 (eight Fridays; no class on April 9), 6-7 p.m.



### YOU CAN PLAY GUITAR! (370\*)

Learn the basics of playing the guitar, including right- and left-hand technique, strumming chords and playing melodies. Students will learn to play simple blues, rock and folk songs. This is an absolute beginner’s course, with no experience necessary. This course is also recommended for students who have some playing skills but no formal instruction.

**Instructor:** Rich Hawthorne has been a Bay Area guitar instructor for more than 20 years. He is the co-author of “I’ve Always Wanted to Play Guitar.”

**Class requirements:** Tablet or computer with internet capability. Must be age 14 or older. Students under 18 must take this class with an adult who has also registered. Each student will need an electric or acoustic guitar. Guitars can be rented from the instructor for \$35. To rent a guitar, please contact the instructor at least one week before class starts, at [rhguitarist@sbcglobal.net](mailto:rhguitarist@sbcglobal.net).

**Cost:** \$119

**Materials fee:** \$25 book fee payable to the instructor

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 10, 17, 24 and 31, Feb. 7 and 14 (six Sundays), 4:05-5:05 p.m.

**Session 2:** March 14, 21 and 28, April 11, 18 and 25 (six Sundays; no class on April 4), 4:05-5:05 p.m.

### YOU CAN PLAY UKULELE! (390\*)

The popularity of the ukulele has grown tremendously over the years. Since it is an easy instrument to learn, it can be quickly rewarding. This class will provide the tools and guidance to start playing with relative ease, even if a student has no musical background. During the course, students will learn how to hold and tune a ukulele, along with basic chords and melodies, fingerings, rhythm and tempo, basic reading and music theory. This six-week course is designed with the beginner in mind.

**Instructor:** Rich Hawthorne has been a Bay Area guitar instructor for more than 20 years. He is the co-author of “I’ve Always Wanted to Play Guitar.”

**Class requirements:** Tablet or computer with internet capability, Must be age 14 or older. Students under 18 must take this class with an adult who has also registered. Each student will need a ukulele. Ukuleles can be purchased from the instructor for \$80-\$120. To purchase, please contact the instructor at least one week before class starts, at [rhguitarist@sbcglobal.net](mailto:rhguitarist@sbcglobal.net).

**Cost:** \$119

**Materials fee:** \$15 (payable to instructor)

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 10, 17, 24 and 31, Feb. 7 and 14 (six Sundays), 3-4 p.m.

**Session 2:** March 14, 21 and 28, April 11, 18 and 25 (six Sundays; no class on April 4), 3-4 p.m.

# Astronomy and Science



## APPLIED ENVIRONMENTAL SCIENCE (568\*)

This class provides a comprehensive overview of environmental science. Students will learn an “earth systems” approach to understanding human society and the environment as an integrated system. The course will also explore environmental issues and investigate realistic solutions, while providing greater understanding of environmental factors that affect our world and the environmental impacts of past and current events.

**Instructor:** Veronica Galang has been an educator for more than 20 years, teaching astronomy, biology, chemistry, nanotechnology and physics. She has a master’s degree in physics and enjoys helping students apply critical and analytical thinking to understand the relationships between diverse concepts.

**Class requirements:** Tablet or computer with internet capability. Must be age 14 or older; students under 18 must take the class with an adult who has also registered.

**Cost:** \$89

**Dates and times:** March 4, 11 and 18 (three Thursdays), 5:30-7:30 p.m.



## ASTROPHYSICS FOR EVERYONE (375\*)

This nontechnical class is for anyone who is curious about the universe. Students will learn about the roles of matter and energy in the underlying structure of the universe and how clouds of gases and dust give rise to stars, planets and solar systems. They will also explore the sun’s power and its life cycle. Additional topics include the Big Bang theory, gravity, exoplanets, galaxies, black holes, supernovae, dark matter and energy. The class will conclude with current theories about the multiverse and the “Theory of Everything.”

**Instructor:** Awanish Mishra holds a bachelor’s degree in chemistry with a minor in quantum physics, along with a master’s degree in theoretical chemistry.

**Class requirements:** Tablet or computer with internet capability. Must be age 14 or older; students under 18 must take this class with an adult who has also registered.

**Cost:** \$69

**Dates and times:** Jan. 21 and 28 (two Thursdays), 6-8 p.m.

## EINSTEIN’S THEORY OF RELATIVITY FOR EVERYONE (486\*)

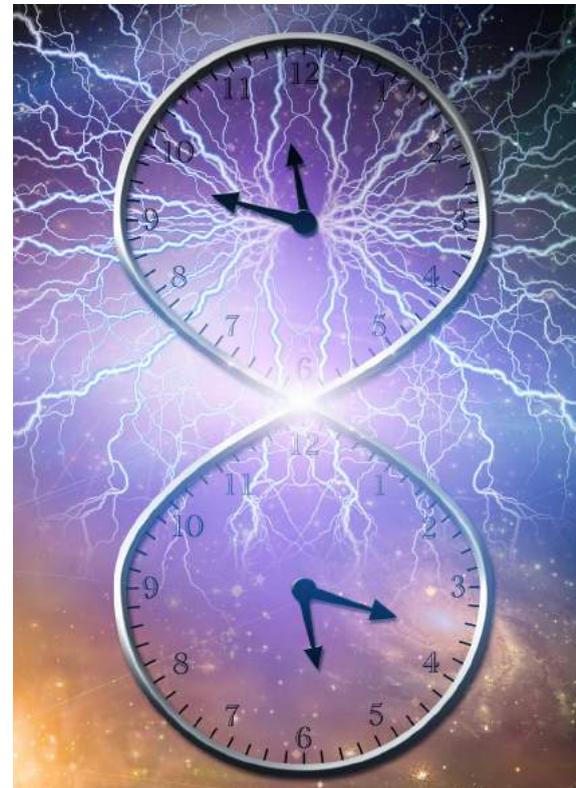
Einstein’s theories of special and general relativity have stood the test of time for more than 100 years. This class will examine their development and meaning, and the differences between them. Students will review the ways in which popular media address relativity and such topics as time dilation, length contraction and the speed of light. Although these concepts are complex, relativity is an exciting and elegant subject that can be explained in a nontechnical way.

**Instructor:** Awanish Mishra holds a bachelor’s degree in chemistry with a minor in quantum physics, along with a master’s degree in theoretical chemistry.

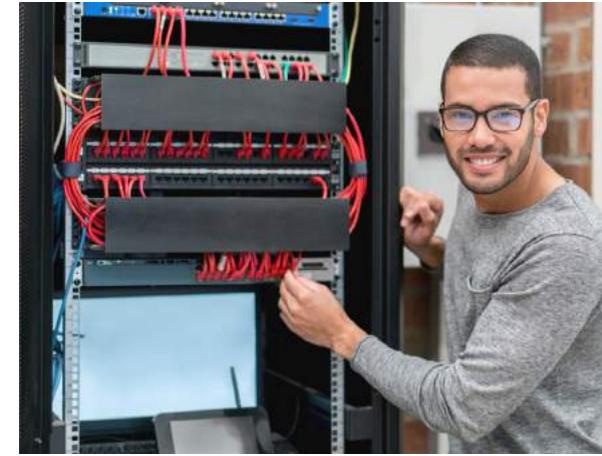
**Class requirements:** Tablet or computer with internet capability. Must be age 14 or older; students under 18 must take this class with an adult who has also registered.

**Cost:** \$69

**Date and time:** Feb. 25 and March 4 (two Thursdays), 6-8 p.m.



# Careers and Technology



## CAREER AND SUCCESS STRATEGIES (571\*)

This course is designed to help students explore their interests, discover new opportunities and learn how to land their dream job. Students will also learn how to update resumes, network with professionals and develop the skills they need to succeed.

**Instructor:** Wendy Kaaki is a skilled educator and college administrator. She has taught for nearly 20 years and enjoys seeing her students excel as they discover new opportunities.

**Class requirements:** Tablet or computer with internet capability. Must be 16 or older.

**Cost:** \$149

**Dates and times:** Feb. 3, 10, 17 and 24 (four Wednesdays), 5-7 p.m.





## YOU'RE ON THE AIR: HOW TO MAKE IT IN VOICE-OVERS (451\*)

Successful voice-over artist Lisa Foster will introduce students to the voice-over business. This class will cover opportunities, techniques, income potential, demo reels and how to have reels produced. Students will make practice recordings and hear a critique of their work. This is a business with practically no overhead!

**Instructor:** Lisa Foster has been the voice for website narrations, computer games, commercials and even comedy bits. She is a well-known radio personality in the Seattle broadcast market.

**Class requirements:** Tablet or laptop with internet capability. Students under 18 must take this class with an adult who has also registered.

**Cost:** \$39

**Date and time:** June 15 (one Tuesday), 6-8 p.m.



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## Health and Wellness



### L.E.A.N. START ONLINE NUTRITION (579\*)

L.E.A.N provides a road map to better health for adults and seniors by focusing on these four pillars: Lifestyle (how we live), Exercise (how we move), Attitude (how we think) and Nutrition (how we eat). This approach can empower you to mobilize your internal strengths and develop strategies for sustainable lifestyle changes. Tools and resources will be provided through interactive workshops on four successive Wednesdays:

**Workshop 1 – Make Health Your Hobby:** Understand the health and wellness journey, how to set attainable goals and the importance that nutrition plays in overall health and well-being.

**Workshop 2 – Live Without Pain and Inflammation:** Learn to recognize key anti-inflammatory foods and ways to incorporate them in daily life. Inflammation is the cause of many

health issues including heart disease, diabetes, arthritis, asthma and others.

**Workshop 3 – Opening Your Internal Pharmacy:** Understand how the body works and learn how the body can make its own medicine.

**Workshop 4 – Move Waste From Your Waist:** Learn which types of fat are more harmful to health, and how to lose and keep weight off, through lifestyle, exercise, attitude and nutrition.

**Instructor:** Ankita Kaul has a Master Health Coach Certification from the Dr. Sears Wellness Institute and is co-founder of Happy2bHealthy (H2BH), a program for promoting health and wellness awareness for adults and children. H2BH specializes in providing health education and useful everyday tips through workshops for families and children, as well as for adults in their prime.

**Class requirements:** Tablet or computer with internet capability. (For younger students, see "L.E.A.N. Start Online Nutrition for Kids" in the De Anza College Academy section of this catalog.)

**Cost:** \$79

**Dates and times:** Feb. 3, 10, 17 and 24 (four Wednesdays), 6-7 p.m.

### NATURAL STRATEGIES FOR SLUGGISH THYROID (452\*)

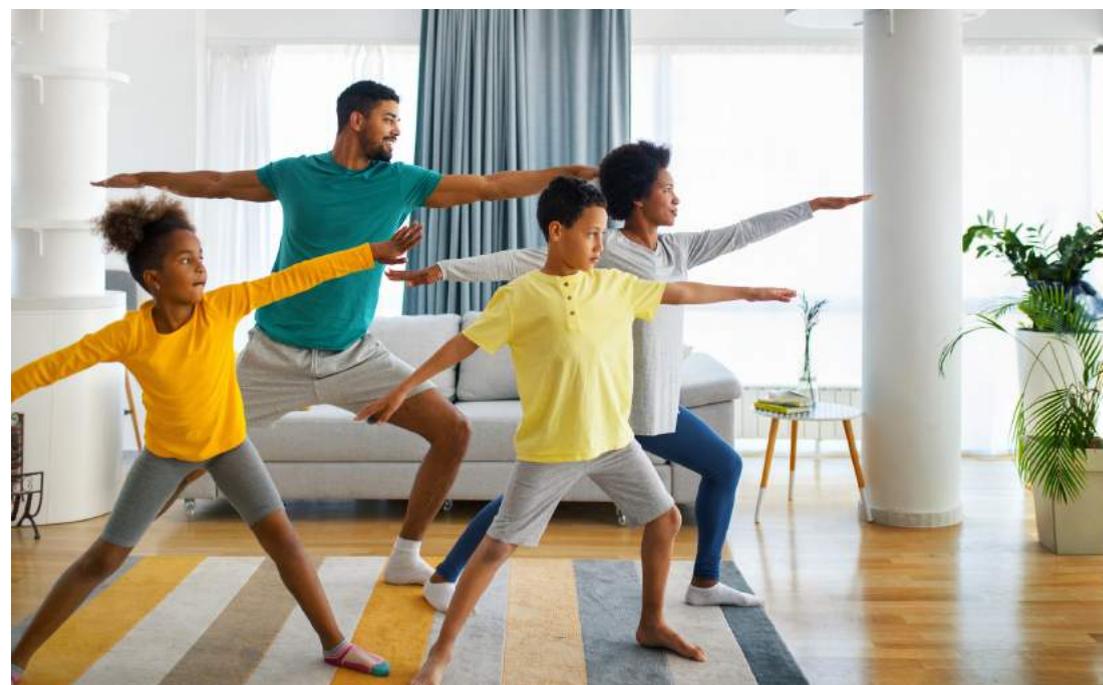
In this class, students will learn natural strategies for addressing common symptoms of sluggish thyroid – including fatigue, slow and consistent weight gain, constipation, cold hands or feet, ridged nails, hair loss, brain fog and metabolism problems. The course will cover self-help strategies, helpful and harmful foods, substances that block thyroid hormones and ways to avoid or overcome stress.

**Instructor:** Allen Dubner and Sharon Dubner are chiropractors and certified members of Health Talks USA, a national organization of natural health care professionals who deliver educational workshops. Over the last 30 years, they have presented more than 800 seminars to audiences at businesses, churches, schools and health centers in Silicon Valley. They have a wellness health center in San José.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$45

**Dates and times:** May 6 (one Thursday), 7-9 p.m.



## NUTRITION WORKSHOP (582\*)

How many diets have you tried? Why do diets fail? This workshop will address fad diets, food groups and “normal-size” portions, as well as how to enjoy all foods and lose body fat. Students will get healthy eating ideas for all meals and learn what it takes to go from “yo-yo dieter” to a healthy individual – for life!

**Instructor:** Marisa Schor is a lifelong exercise enthusiast. A former certified Spinning Instructor, she is now certified as a Group Exercise Instructor by the American Fitness and Aerobics Association. She also has CPR and AED certification for adults and children. Since 2002, she has trained in Latin dance including salsa, cha-cha, merengue, samba and bachata.

**Class requirements:** Tablet or computer with internet capability; notebook or binder for class activities. (Instructor will provide handouts before class.)

**Cost:** \$79

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 31 and Feb. 7 (two Sundays), 3-5 p.m.

**Session 2:** April 6 and 13 (two Tuesdays), 6-8 p.m.



## VIRTUAL ZUMBA (587\*)

Zumba combines hypnotic Latin rhythms with easy-to-follow moves, creating a dynamic fitness program. The goals are simple – to work out and to love working out! Zumba enthusiasts achieve long-term health benefits while experiencing an exhilarating hour of caloric-burning, body-energizing, awe-inspiring movements that are meant to engage and captivate for life! The routines feature intermittent training sessions, with fast and slow rhythms combined with resistance training to tone and sculpt the body.

**Instructor:** Marisa Schor is a lifelong exercise enthusiast. A former certified Spinning Instructor, she is now certified as a Group Exercise Instructor by the American Fitness and Aerobics Association. She also has CPR and AED certification for adults and children. Since 2002, she has trained in Latin dance including salsa, cha-cha, merengue, samba and bachata.

**Class requirements:** Tablet or computer with internet capability; cushiony, supportive sneaker; space to exercise and dance (a wood floor is ideal); large (one-liter) water bottle; small towel (recommended)

**Cost:** \$89

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 12, 19 and 26, Feb. 2, 9 and 16 (six Tuesdays), 5:30-6:30 p.m.

**Session 2:** Feb. 23, March 2, 9, 16, 23 and 30 (six Tuesdays), 5:30-6:30 p.m.



# THIS WINTER AND SPRING AT THE EUPHRAT

## Sources of Solace

*Explore what makes us feel more connected in challenging times*

This evolving virtual exhibition is presented in conjunction with **Silicon Valley Reads 2021**

- Part 1: **Dec. 15-Jan. 28**
- Part 2: **Jan. 28-March 31**

View the exhibition at [deanza.edu/euphrat](http://deanza.edu/euphrat)

Check [deanza.edu/euphrat](http://deanza.edu/euphrat) for details about the **Silicon Valley Reads Kickoff Event** on Jan. 28



## Reclaiming Our Humanity

*A Taste of History*

### Event Series Continues

Visit [deanza.edu/tasteofhistory](http://deanza.edu/tasteofhistory) for details

**Winter: Dreaming and Imagining**  
*Learning from the Past: Dreaming the Future*

- **Thursday, Feb. 4, 6:30-7:30 p.m.**
- Online event focusing on local history, with Black, indigenous and Latinx cultural curators, defenders and community members

**Spring: A Celebration with Commitment and Action**  
*The Power of Our Humanity*

- Date and Time TBA
- More details coming soon!

***“Dreaming is the stage in which the full panorama of possibilities are expressed (and) considered ...”*** – Pōkā Laenui, indigenous Hawaiian activist



# DeAnza College

# ACADEMY

YEAR-ROUND YOUTH ENRICHMENT PROGRAMS FOR GRADES 1-12



## ARDUINO PROGRAMMING – BEGINNING

(Grades 5-8) (462\*)

Students will learn the fundamentals of building simple circuits, using the Arduino Student Kit, and learn to control them through programming projects with the Arduino Uno. The course will cover the fundamentals of programming and encourage students to use their imaginations together as they explore beyond the included tutorials.

**Instructor:** Ben Guansing has taught middle school for 15 years and is a self-taught technologist. He has used Linux since 2004 and became a Raspberry Pi Certified Educator in 2016. He is passionate about maker-based education.

**Class requirements:** Tablet or computer with internet capability and USB port. Students will need to purchase the Arduino Student Kit for approximately \$75, unless they already have it. See the online registration listing for additional required materials.

**Cost:** \$215

**Dates and times:** Jan. 13, 20 and 27, Feb. 3, 10 and 24, March 3 and 10 (eight Wednesdays; no class on Feb. 17), 5-6:20 p.m.



## ARDUINO PROGRAMMING – INTERMEDIATE

(Grades 5-8) (577\*)

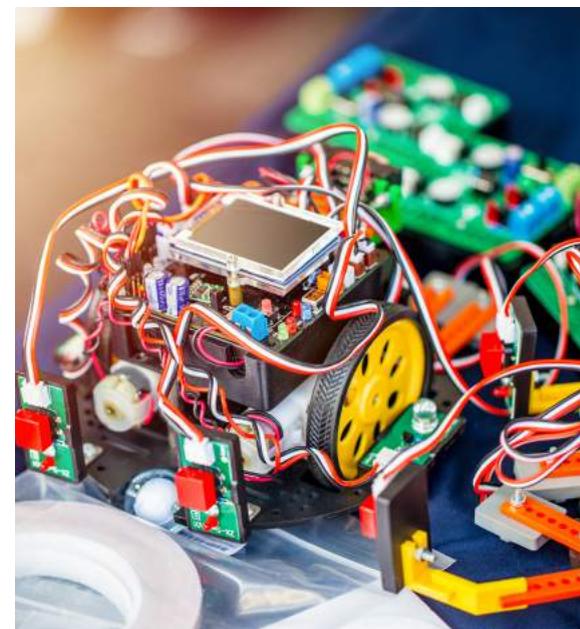
This course will take students on a further exploration of simple circuits and Arduino Uno. Students will review the fundamentals of Arduino programming before they are introduced to various motors and sensors that expand its capabilities. Students will also learn the basics of robotics programming and building with Arduino.

**Instructor:** Ben Guansing has taught middle school for 15 years and is a self-taught technologist. He has used Linux since 2004 and became a Raspberry Pi Certified Educator in 2016. He is passionate about maker-based education.

**Class requirements:** Tablet or computer with internet capability and USB port. Students will need to purchase the Arduino Student Kit for approximately \$75, unless they already have it. See the online registration listing for additional required materials.

**Cost:** \$215

**Dates and times:** March 17, 24 and 31, April 14, 21 and 28, May 5 and 12 (eight Wednesdays; no class on April 7), 5-6:20 p.m.



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## BBC MICRO:BIT PROGRAMMING – BEGINNING

(Grades 1-4) (460\*)

The BBC micro:bit is a pocket-sized computer that introduces students to very basic Python programming fundamentals in a fun way, as they learn how software and hardware work together. The micro:bit has an LED light display, buttons, sensors and many input/output features that students will learn, program and physically interact with. This course will provide an introduction to electronics and programming while encouraging students' interests in hardware and software. Students will create projects that respond to touch, movement, light, temperature and magnetic fields.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

**Class requirements:** Tablet or computer with internet capability and USB port. Students will need to purchase the BBC micro:bit kit (available for about \$20 from Amazon).

**Cost:** \$215

**Dates and times:** Choose Session 1 or 2  
**Session 1:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 12:30-1:50 p.m.

**Session 2:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 12:30-1:50 p.m.



## BIOLOGY: FROM MOLECULES TO CELLS

(Grades 6-8 and 9-12) (570\*)

The study of life science extends from microscopic proteins to entire ecosystems, including an understanding of human body systems. This course emphasizes the relationship between structures and their functions, the basic cell theory that will help students understand the characteristics of life. The course will include hands-on activities as students build models of cells to learn about multicellular organisms, the role of genes and the effects of mutation. Students will also use the models to explore how cells use DNA to construct proteins, build biomass, reproduce and create complex multicellular organisms.

**Instructor:** Veronica Galang has been an educator for more than 20 years, teaching astronomy, biology, chemistry, nanotechnology and physics. She has a master's degree in physics and enjoys helping students apply critical and analytical thinking to understand the relationships between diverse concepts.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$395

**Dates and times:**

**Grades 6-8:** March 16, 18, 23, 25 and 30, April 1, 13, 15, 20, 22, 27 and 29, May 4, 6, 11 and 13 (eight Tuesdays and eight Thursdays; no class on April 6 and 8), 4-5:20 p.m.

**Grades 9-12:** Jan. 12, 14, 19, 21, 26 and 28, Feb. 2, 4, 9, 11, 23 and 25, March 2, 4, 9 and 11 (eight Tuesdays and eight Thursdays; no class on Feb. 16 and 18), 4-5:20 p.m.

## CREATING ART LIKE THE MASTERS FOR KIDS

(Grades 7-12) (430\*)

This course reviews eight renowned art masters from art history, including Matisse, Picasso and O'Keeffe. Students will be encouraged to imitate the style of each artist, as taught in class, and to experiment with each artist's style or technique while developing a masterpiece of their own during each session. No art experience is required.

**Instructor:** Viviana Leija-Sysak is a visual artist who has worked in television production and as an art instructor in a variety of media, from drawing to video animation.

**Class requirements:** Tablet or computer with internet capability; watercolor pad with at least 10 pages; watercolor set with at least primary colors plus black; construction paper in a variety of colors; at least one brush; pencil (any type); eraser (any type); scissors and a glue stick.

**Cost:** \$165

**Dates and times:** Choose Session 1 or 2  
**Session 1:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 1-2 p.m.

**Session 2:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 1-2 p.m.



## DATA STRUCTURES AND ALGORITHMS – BEGINNING TO INTERMEDIATE

(Grades 9-12) (572\*)

This course provides a comprehensive explanation of data structures including linked lists, stacks and queues, search trees, heap, searching and hashing techniques. Students will learn how to analyze the complexity of an algorithm. The course will use the C++ language for implementing various concepts that students can also code in other languages such as Java, C# or Python.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

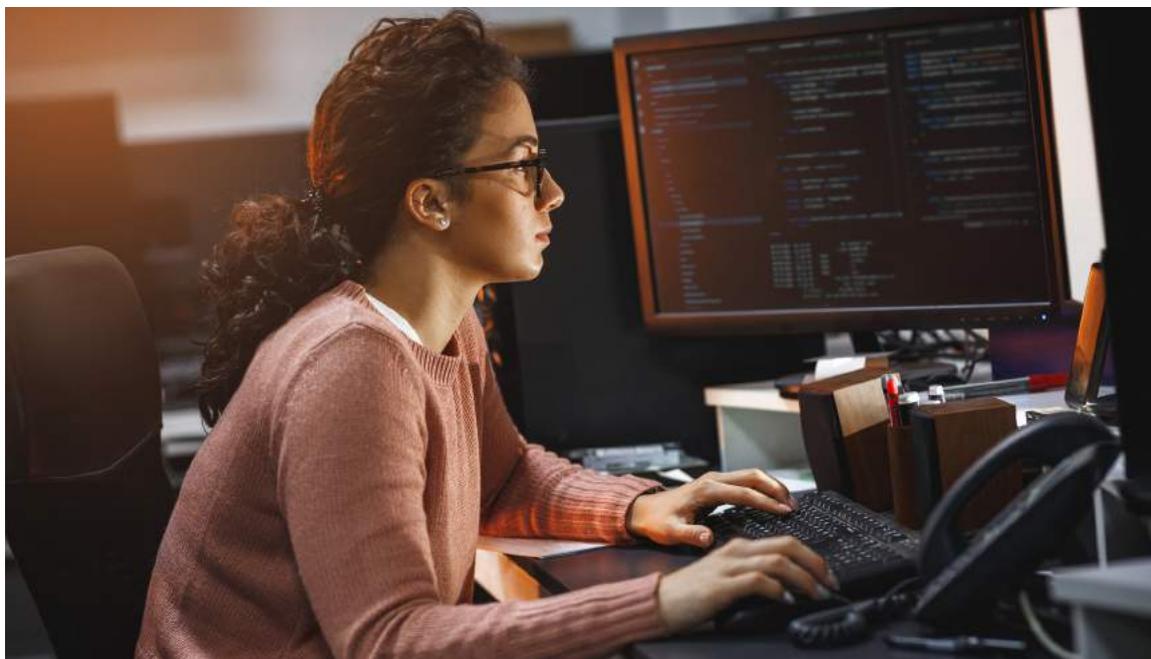
**Cost:** \$215

**Dates and times:** Jan. 10, 17, 24 and 31, Feb. 7, 21 and 28, March 7 (eight Sundays; no class on Feb. 14), 11 a.m.-12:20 p.m.

## DATA STRUCTURES AND ALGORITHMS – INTERMEDIATE TO ADVANCED

(Grades 9-12) (573\*)

This course will expand on the design and analysis of efficient algorithms and data structures, covering design methods, graph algorithms, approximation algorithms and randomized algorithms. Students will learn how the choice of a particular data structure can greatly reduce or increase the complexity of the algorithms. They will also learn how the C++ language can be used for implementing various concepts, which can also be coded in other languages like Java, C# or Python.



**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** March 14, 21 and 28, April 11, 18 and 25, May 2 and 9 (eight Sundays; no class on April 4), 11 a.m.-12:20 p.m.



## DRAWING AND ANIMATION – BEGINNING TO INTERMEDIATE

(Grades 3-6 and 7-12) (544\*)

This class will introduce students to skills they can use in both drawing and animation. Students will get to draw their own cool characters and learn to animate them as well. The class will explore such concepts as expression and proportion for drawing, along with sequence and speed for animation. No drawing or animating experience is necessary.

**Instructor:** Viviana Leija-Sysak is a visual artist who has worked for television production companies and as an art instructor in a variety of media, from drawing to video animation. **Class requirements:** Tablet or computer with internet capability; two digital apps (available free for download after registration). A digital stylus is suggested, but not mandatory.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$165

**Dates and times:**

**Grades 3-6:** Choose Session 1 or 2  
**Session 1:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 9:30-10:30 a.m.

**Session 2:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 9:30-10:30 a.m.

**Grades 7-12:** Choose Session 1 or 2  
**Session 1:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 11 a.m.-noon

**Session 2:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 11 a.m.-noon





## DRAWING AND PAINTING STUDIO

(Grades 6-10) (463\*)

Students will learn and practice classical and contemporary drawing and painting techniques. Students also will strengthen observational and creative thinking, sharpen rendering skills and gain confidence in their artistic abilities. Lessons will include multipoint perspective, depicting shadow and light sources as well as creating engaging content and narratives. This course is offered through the Euphrat Museum of Art.

**Instructor:** Lydia Sanchez is a visual artist and art instructor working in the Cupertino Union School District at West Valley and Muir Elementary Schools, and the Euphrat Museum of Art. She encourages children and youth to use their imaginations and express their own ideas about the world around them.

**Class requirements:** Tablet or computer with internet capability. See the online registration listing for additional supplies needed.

**Cost:** \$165

**Dates and times:** Choose Session 1 or 2  
**Session 1:** Feb. 5, 12, 19 and 26, March 5, 12, 19 and 26 (eight Fridays), 4-5 p.m.

**Session 2:** April 9, 16, 23 and 30, May 7, 14, 21 and 28 (eight Fridays), 4-5 p.m.

## ENVIRONMENTAL SCIENCE: YOU AND THE ENVIRONMENT

(Grades 6-8 and 9-12) (574\*)

This course is designed to increase students' knowledge of today's environmental challenges, while cultivating their scientific critical thinking skills. Students will explore thematic connections between a variety of science disciplines including biology, chemistry and physics. The course will provide a coherent and realistic picture of the applications of scientific concepts as they manifest in our environment, with a focus on population growth, natural resources and ecosystem dynamics.

**Instructor:** Veronica Galang has been an educator for more than 20 years, teaching astronomy, biology, chemistry, nanotechnology and physics. She has a master's degree in physics and enjoys helping students apply critical and analytical thinking to understand the relationships between diverse concepts.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$395

**Dates and times:**

**Grades 6-8:** Jan. 11, 13, 18, 20, 25 and 27, Feb. 1, 3, 8, 10, 22, and 24, March 1, 3, 8 and 10 (eight Mondays and eight Wednesdays; no class on Feb. 15 and 17), 4-5:20 p.m.

**Grades 9-12:** March 15, 17, 22, 24, 29 and 31, April 12, 14, 19, 21, 26 and 28, May 3, 5, 10 and 12 (eight Mondays and eight Wednesdays; no class on April 5 and 7), 4-5:20 p.m.



## FUN WITH PHYSICS

(Grades 5-8) (575\*)

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 explore forces, energy and motion using a PhET simulated laboratory, while gaining a deeper understanding of Next Generation Science Standards content.

**Instructor:** Veronica Galang has been an educator for more than 20 years, teaching astronomy, biology, chemistry, nanotechnology and physics. She has a master's degree in physics and enjoys helping students apply critical and analytical thinking to understand the relationships between diverse concepts.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** Choose Session 1 or 2  
**Session 1:** Jan. 9, 16, 23 and 30, Feb. 6, 13 and 27, March 6 (eight Saturdays; no class on Feb. 20), 9:30-10:50 a.m.

**Session 2:** March 13, 20 and 27, April 3, 17 and 24, May 1 and 8 (eight Saturdays; no class on April 10), 9:30-10:50 a.m.

## GROWTH MINDSET AND THE POWER OF YET

(Grades 7-10) (495\*)

Students in this course will learn how to be able to apply a "growth mindset" as they face challenges and frustrations in their personal and academic lives. Students will learn techniques to succeed in their personal and career goals, both current and future.

**Instructor:** Lisa Carrell began teaching "growth mindset" methods in 2006 and received the Silicon Valley Education Foundation's prestigious "Teacher of the Year" award in 2017. She instructs students from ages 5 to 95 on using these methods to continuously strengthen their abilities and never give up.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$79

**Dates and times:** Choose Session 1 or 2  
**Session 1:** Feb. 9, 16 and 23 (three Tuesdays), 6-8 p.m.

**Session 2:** April 13, 20 and 27 (three Tuesdays), 6-8 p.m.



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### HTML5 AND CSS3 – BEGINNING TO INTERMEDIATE (Grades 3-6) (557\*)

This class will explore the latest version of the programming language that powers the World Wide Web. Students will learn professional techniques for building websites, using the essential design and content tools of Hypertext Markup Language and Cascading Style Sheets. They will start with the basics of page structure, tags, formatting and layout, before moving on to creating a sample website.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** Jan. 10, 17, 24 and 31, Feb. 7, 21 and 28, March 7 (eight Sundays; no class on Feb. 14), 2:30-3:50 p.m.

### HTML5 AND CSS3 – INTERMEDIATE TO ADVANCED (Grades 3-6) (558\*)

This class will dive further into the details of web design and web content, using the latest version of the programming

language that powers the World Wide Web. Students will learn professional techniques for building responsive webpages, using the essential design and content tools of Hypertext Markup Language and Cascading Style Sheets.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** March 14, 21 and 28, April 11, 18 and 25, May 2 and 9 (eight Sundays; no class on April 4), 2:30-3:50 p.m.



### iOS MOBILE DEVELOPMENT – BEGINNING TO INTERMEDIATE (Ages 14 and up) (551\*)

This course will teach students how to build amazing iOS mobile apps, including functional prototypes that will be compatible with iPhones and iPads. Students will learn the basics of using Xcode and UI/UX design, while practicing with user interface elements and connecting those elements to code. Students will also be introduced to

mobile app design patterns and current topics such as monitoring memory management. Finally, students will learn how to release apps through the Apple App Store.

**Instructor:** Guillermo Colin has a bachelor's degree in software engineering from San José State University and has taught for Coding Dojo, De Anza College Academy, and other computer science tutoring programs. He loves coding and developing iOS mobile apps in his spare time, and sharing computer science knowledge with others.

**Class requirements:** Must be age 14 or older; must have an iOS or MacOS device.

**Cost:** \$295

**Dates and times:** Choose Session 1 or 2  
**Session 1:** Jan. 14, 21 and 28, Feb. 4, 11 and 25, March 4 and 11 (eight Thursdays; no class on Feb. 18), 5-6:50 p.m.

**Session 2:** March 18 and 25, April 1, 15, 22 and 29, May 6 and 13 (eight Thursdays; no class on April 8), 5-6:50 p.m.

### JAVA PROGRAMMING – BEGINNING TO INTERMEDIATE (Grades 5-8 and 9-12) (420\*)

This is an introduction to computer programming with the Java language, using object-oriented programming principles. Students will learn about Java primitive and non-primitive data types, control flow constructs, builtin 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.

**Instructor:** Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.

**Class requirements:** Tablet or computer with internet capability and USB port

**Cost:** \$215

**Dates and times:**

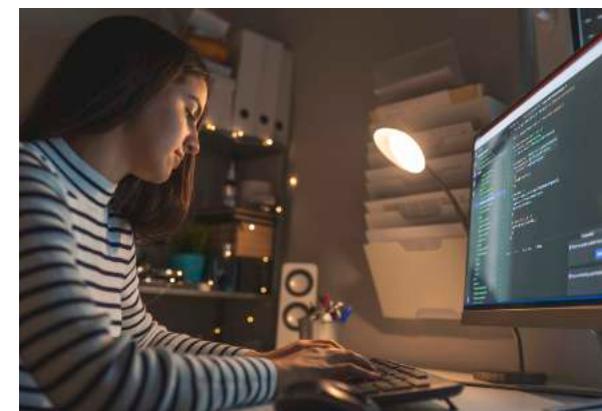
**Grades 5-8:** Choose Session 1 or 2  
**Session 1:** Jan. 13, 20 and 27, Feb. 3, 10 and 24, March 3 and 10 (eight Wednesdays; no class on Feb. 17), 4-5:20 p.m.

**Session 2:** March 16, 23 and 30, April 13, 20 and 27, May 4 and 11 (eight Tuesdays; no class on April 6), 4-5:20 p.m.

**Grades 9-12:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 10-11:20 a.m.

### JAVA PROGRAMMING – INTERMEDIATE TO ADVANCED (Grades 5-8 and 9-12) (464\*)

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.



**Class requirements:** Tablet or computer with internet capability and USB port

**Cost:** \$215

**Instructor:** Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.

**Dates and times:**

**Grades 5-8:** March 17, 24 and 31, April 14, 21 and 28, May 5 and 12 (eight Wednesdays; no class on April 7), 4-5:20 p.m.

**Grades 9-12:** Choose Session 1 or 2  
**Session 1:** Jan. 12, 19 and 26, Feb. 2, 9 and 23, March 2 and 9 (eight Tuesdays; no class on Feb. 16), 4-5:20 p.m.

**Session 2:** March 19 and 26, April 2, 16, 23 and 30, May 7 and 14 (eight Fridays; no class on April 9), 4-5:20 p.m.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

**Dates and times:**

**Grades 9-12:** Choose Session 1 or 2  
**Session 1:** Jan. 11, 18 and 25, Feb. 1, 8 and 22, March 1 and 8 (eight Mondays; no class on Feb. 15), 5:30-6:50 p.m.

**Session 2:** March 15, 22 and 29, April 12, 19 and 26, May 3 and 10 (eight Mondays; no class on April 5), 5:30-6:50 p.m.



## JAVASCRIPT – BEGINNING TO INTERMEDIATE (Grades 5-8) (576\*)

The course will introduce students to the JavaScript programming language in a very simple, easy and fun way, through web content graphics. Students will begin with the fundamentals of JavaScript programming language to start with and then learn how to implement those fundamentals in variables, looping and other ways. A basic knowledge of HTML and CSS is recommended but not required for students taking this course.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

**Class requirements:** Tablet or computer with internet capability and USB port

**Cost:** \$215

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 10, 17, 24 and 31, Feb. 7, 21 and 28, March 7 (eight Sundays; no class on Feb. 14), 12:30-1:50 p.m.

**Session 2:** March 14, 21 and 28, April 11, 18 and 25, May 2 and 9 (eight Sundays; no class on April 4), 12:30-1:50 p.m.

## L.E.A.N. START ONLINE NUTRITION FOR KIDS (Grades 3-6 and 7-12) (578\*)

L.E.A.N Start Online is a research-based, interactive and kid-friendly program that can help your family make healthy food and lifestyle choices. This course will cover ways to feed the immune system with the right carbs, fats and proteins, and how food choices can relate to long-term performance goals and abilities. Students will learn about “Grow” foods, “Run Fast” foods, “Fill Up” foods and

“Keep You From Getting Sick” foods. This course can help young students become healthy grazers and “Nutrition Detectives,” while teaching them about food labels and marketing.

**Instructor:** Ankita Kaul has a Master Health Coach Certification from the Dr. Sears Wellness Institute and is co-founder of Happy2bHealthy (H2BH), a program for promoting health and wellness awareness for adults and children. H2BH specializes in providing health education and useful everyday tips through workshops for families and children, as well as for adults in their prime.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$109

**Dates and times:**

**Grades 3-6:** March 14, 21 and 28, April 11, 18 and 25 (six Sundays; no class on April 4), 3-4 p.m.

**Grades 7-12:** March 14, 21 and 28, April 11, 18 and 25 (six Sundays; no class on April 4), 4:30-5:30 p.m.



## LITERARY ANALYSIS (Grades 6-8 and 9-12) (567\*)

This class will build critical-thinking as students analyze several short stories and poems, answering written questions designed to test comprehension and reasoning. The course will begin with a review of basic literary elements, and end with a guided book report assignment on a grade-appropriate work of fiction selected by the student. Students will be required to read the book independently over the eight weeks of the course. While all written assignments will be completed during class hours, students may need to read the short stories on their own before coming to class.

**Instructor:** Bina Barnabas grew up in India, where she earned a bachelor's degree in education and a master's in English literature. For more than 40 years, she has taught students ranging in age from 5 to 75 in India, Japan and the United States. She especially enjoys teaching language arts to middle schoolers. She likes to read and play with paper, fabric, needle and thread.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:**

**Grades 6-8:** Choose Session 1 or 2  
**Session 1:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 9:30-10:50 a.m.

**Session 2:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 9:30-10:50 a.m.

**Grades 9-12:** Choose Session 1 or 2  
**Session 1:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 11 a.m.-12:20 p.m.

**Session 2:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 11 a.m.-12:20 p.m.



## MACHINE LEARNING TO DEEP LEARNING – BEGINNING TO INTERMEDIATE (Grades 9-12) (580\*)

This course provides a broad introduction to machine learning, data mining and statistical pattern recognition, as well as how to build deep learning networks. Students will gain foundational knowledge of machine learning algorithms and get practical experience in building neural networks in TensorFlow and Keras in Google Colaboratory. They will also learn about convolutional networks, SGD, Adam, Dropout, BatchNorm and more.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 12:30-1:50 p.m.

## MACHINE LEARNING TO DEEP LEARNING – INTERMEDIATE TO ADVANCED (Grades 9-12) (581\*)

Students in this course will continue their exploration of machine learning, data mining and statistical pattern recognition, as well as how to build deep learning networks. Building on their basic knowledge of machine learning concepts, students will learn more about deep neural networks and gain practical experience in building with TensorFlow and Keras in Google Colaboratory. Participants will also review some research papers and critique.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 12:30-1:50 p.m.

## OBJECT ORIENTED PROGRAMMING USING C++ – BEGINNING TO INTERMEDIATE (Grades 8-12) (583\*)

This course will help students become familiar with universal concepts of computer programming while learning the syntax, semantics and basic data types of the C++ language. Students will learn to develop and implement efficient programs in C++. The instructor will discuss principles of the object-oriented model and its implementation in the C++ language, and demonstrate the means to resolve typical implementation problems with the help of standard C++ language libraries.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 4-5:20 p.m.

## OBJECT ORIENTED PROGRAMMING USING C++ – INTERMEDIATE TO ADVANCED (Grades 8-12) (584\*)

Students in this course will continue their exploration of universal concepts of computer programming, while learning more about the syntax, semantics and basic data types of



the C++ language. The instructor will discuss principles of the object-oriented model and its implementation in the C++ language, and demonstrate the means to resolve typical implementation problems with the help of standard C++ language libraries. Students will also be introduced to more advanced topics such as file operations, memory management, exception handling and more.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 4-5:20 p.m.



## PSAT WRITING AND LANGUAGE PREPARATION (Grades 7-9) (542\*)

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.

**Instructor:** Bina Barnabas grew up in India, where she earned a bachelor's degree in education and a master's in English literature. For more than 40 years, she has taught ranging in age from 5 to 75 in India, Japan and the United States. She especially enjoys teaching language arts to middle schoolers. She likes to read and play with paper, fabric, needle and thread.

**Class requirements:** Tablet or computer with internet capability. Students must purchase a required workbook: Barron's PSAT/NMSQT with Online Tests, 19th Edition (ISBN-13: 978-1438011066)

**Cost:** \$295

**Dates and times:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 2-3:50 p.m.



## PHYSICS IN ACTION (Grades 9-12) (585\*)

This class is designed to foster creativity while exploring physics. Students will learn fundamental principles that are foundational to high school physics, in a framework that promotes critical thinking, open-ended discussion and solution-oriented investigation. This highly interactive, hands-on class is perfect for students who are curious about how and why things work.

**Instructor:** Veronica Galang has been an educator for more than 20 years, teaching astronomy, biology, chemistry, nanotechnology and physics. She has a master's degree in physics and enjoys helping students apply critical and analytical thinking to understand the relationships between diverse concepts.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 9, 16, 23 and 30, Feb. 6, 13 and 27, March 6 (eight Saturdays; no class on Feb. 20), 11 a.m.-12:20 p.m.

**Session 2:** March 13, 20 and 27, April 3, 17 and 24, May 1 and 8 (eight Saturdays; no class on April 10), 11 a.m.-12:20 p.m.



## PSAT MATH PREPARATION (Grades 7-9) (541\*)

This course will help students develop a personalized plan for PSAT preparation, while providing 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.

**Instructor:** Ahmad Khanssari has a bachelor's degree in electrical engineering from San José State University and worked as a system design engineer in the electronics industry. He subsequently earned an MBA and a master's degree in education from the University of Southern California. He has taught mathematics for six years.

**Class requirements:** Tablet or computer with internet capability. Students must purchase a required workbook: Barron's PSAT/NMSQT With Online Tests, 19th Edition (ISBN-13: 978-1438011066).

**Cost:** \$295

**Dates and times:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 10-11:50 a.m.

## PYTHON PROGRAMMING – BEGINNING (Grades 1-4) (467\*)

The course will introduce students to the Python programming language in a simple, fun and easy way, using Python graphics. Students will learn the fundamentals of the Python language and then implement those fundamentals by drawing various shapes and creating greeting cards.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

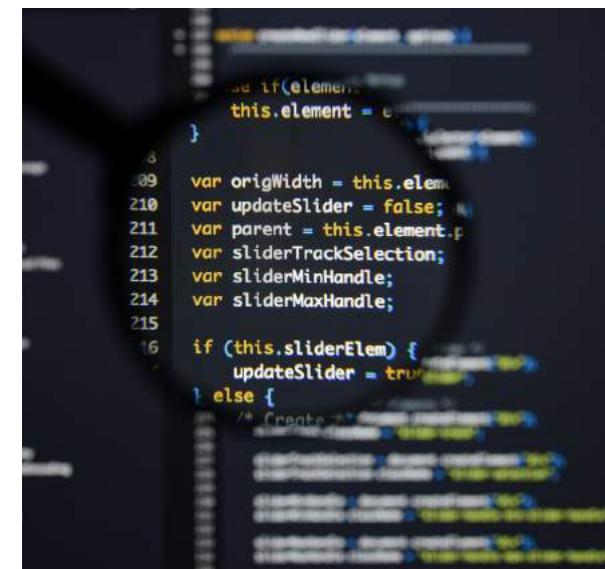
**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 15, 22 and 29, Feb. 5, 12 and 26, March 5 and 12 (eight Fridays; no class on Feb. 19), 4-5:20 p.m.

**Session 2:** March 19 and 26, April 2, 16, 23 and 30, May 7 and 14 (eight Fridays; no class on April 9), 4-5:20 p.m.





## PYTHON PROGRAMMING – BEGINNING TO INTERMEDIATE

**(Grades 3-6, 5-8 and 9-12) (467\*)**

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 learn to define new object classes, create interactive applications with buttons, learn about animation and create an interactive game using Python. The instructor will also cover fundamental principles of object-oriented programming, as well as data and information processing techniques.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

### Dates and times:

**Grades 3-6:** Jan. 15, 22 and 29, Feb. 5, 12 and 26, March 5 and 12 (eight Fridays; no class on Feb. 19), 4-5:20 p.m.

**Instructor:** Eya Badal is a longtime software engineer who is currently pursuing an advanced software engineering degree. She has a knack for making difficult topics understandable.

### Dates and times:

**Grades 5-8:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 10-11:20 a.m.

**Grades 9-12:** Jan. 15, 22 and 29, Feb. 5, 12 and 26, March 5 and 12 (eight Fridays; no class on Feb. 19), 4-5:20 p.m.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

### Dates and times:

**Grades 5-8:** Choose Session 1 or 2  
**Session 1:** Jan. 13, 20 and 27, Feb. 3, 10 and 24, March 3 and 10 (eight Wednesdays; no class on Feb. 17), 5:30-6:50 p.m.

**Session 2:** March 17, 24 and 31, April 14, 21 and 28, May 5 and 12 (eight Wednesdays; no class on April 7), 5:30-6:50 p.m.

**Grades 9-12:** Jan. 10, 17, 24 and 31, Feb. 7, 21 and 28, March 7 (eight Sundays; no class on Feb. 14), 10:30-11:50 a.m.

## PYTHON PROGRAMMING – INTERMEDIATE TO ADVANCED

**(Grades 3-6, 5-8 and 9-12) (419\*)**

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.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

### Dates and times:

**Grades 3-6:** March 19 and 26, April 2, 16, 23 and 30, May 7 and 14 (eight Fridays; no class on April 9), 4-5:20 p.m.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

### Dates and times:

**Grades 5-8:** Choose Session 1 or 2  
**Session 1:** Jan. 15, 22 and 29, Feb. 5, 12 and 26, March 5 and 12 (eight Fridays; no class on Feb. 19), 5:30-6:50 p.m.

**Session 2:** March 19 and 26, April 2, 16, 23 and 30, May 7 and 14 (eight Fridays; no class on April 9), 5:30-6:50 p.m.

**Grades 9-12:** March 14, 21 and 28, April 11, 18 and 25, May 2 and 9 (eight Sundays; no class on April 4), 10:30-11:50 a.m.



## RASPBERRY PI USING PYTHON PROGRAMMING – BEGINNING TO INTERMEDIATE

**(Grades 5-8 and 9-12) (547\*)**

Students will explore features of the Raspberry Pi computing device while using Python, one of the most popular and widely used programming languages in the world. The course will focus on the fundamentals of circuit building, using electrical components such as LEDs, switches, buzzers, sensors, motors and more. Students will be guided through the software and hardware elements of the Raspberry Pi unit as they install operating systems, prepare software for connecting electronic hardware, and implement a functioning circuit. They will also solve hands-on programming exercises and complete practical real-world projects.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

**Class requirements:** Tablet or computer with internet capability, keyboard, mouse and monitor; Raspberry Pi 4 Starter Kit (1 GB, 2 GB, or 4 GB of RAM); electrical components for Raspberry Pi 4 including the SunFounder Raspberry Pi 4 Model B Starter Kit. (The Raspberry Pi hardware can be purchased for about \$130.)

**Cost:** \$215

### Dates and times:

**Grades 5-8:** March 15, 22 and 29, April 12, 19 and 26, May 3 and 10 (eight Mondays; no class on April 5), 4-5:20 p.m.

**Grades 9-12:** Jan. 11, 18 and 25, Feb. 1, 8 and 22, March 1 and 8 (eight Mondays; no class on Feb. 15), 4-5:20 p.m.

## SAT MATHEMATICS

(Grades 9-12) (473\*)

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.

**Class requirements:** Tablet or computer with internet capability. Students must purchase Barron's SAT Premium Study Guide with 7 Practice Tests (ISBN-13: 978-1438012223).

**Cost:** \$395

**Instructor:** Ahmad Khanssari has a bachelor's degree in electrical engineering from San José State University and worked as a system design engineer in the electronics industry. He subsequently earned an MBA and a master's degree in education from the University of Southern California. He has taught mathematics for six years.

**Dates and times:** Choose Session 1 or 2

**Session 1 (Preparation for the SAT given March 13):** Jan. 9, 16, 23 and 30, Feb. 6, 13 and 27, March 6 (eight Saturdays; no class on Feb. 20), 1-3:50 p.m.

**Session 2 (Preparation for the SAT given June 5):** April 3, 17 and 24, May 1, 8, 15, 22 and 29 (eight Saturdays; no class on April 10), 1-3:50 p.m.

**Instructor:** Arshdeep Shinh has a teaching credential and a master's degree in instruction and curriculum from the University of Phoenix, as well as a bachelor's degree in math and physics from Guru Nanak Dev University in India.

**Dates and times:**

(Preparation for the SAT given May 8) – March 6, 13, 20 and 27, April 3, 17 and 24, May 1 (eight Saturdays; no class on April 10), 1-3:50 p.m.



## SAT WRITING AND LANGUAGE, READING AND ESSAY

(Grades 9-12) (474\*)

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.

**Instructor:** Jonathan Stiles has a master's degree in teaching from Bethany University and has earned two teaching credentials. He has taught students in grades 4-12 for more than a decade.

**Class requirements:** Tablet or computer with internet capability. Students must purchase Barron's SAT Premium Study Guide with 7 Practice Tests (ISBN-13: 978-1438012223).

**Cost:** \$395



**Dates and times:** Choose Session 1, 2 or 3

**Session 1 (Preparation for the SAT given March 13):** Jan. 9, 16, 23 and 30, Feb. 6, 13 and 27, March 6 (eight Saturdays; no class on Feb. 20), 9-11:50 a.m.

**Session 2 (Preparation for the SAT given May 8):** March 6, 13, 20 and 27, April 3, 17 and 24, May 1 (eight Saturdays; no class on April 10), noon-2:50 p.m.

**Session 3 (Preparation for the SAT given June 5):** April 3, 17 and 24, May 1, 8, 15, 22 and 29 (eight Saturdays; no class on April 10), 9-11:50 a.m.

## SCRATCH PROGRAMMING – BEGINNING

(Grades 1-4) (385\*)

This course will introduce students to programming in a fun way, through block coding. The instructor will walk students through the steps of programming a game, explaining key concepts as they arise. Students will begin by sketching out what the final game will look like, before planning and coding the main parts of the program. This course provides a hands-on, problem-solving approach to learning programming and related concepts in computer science, while encouraging students to use their imaginations in creating a game.

**Instructor:** Pragati Dharmale has taught for more than 12 years in schools and industry, including courses in engineering and programming

languages. She has also worked as a senior design engineer for Whirlpool in India, a web and software developer for Resource Navigation in Boston, and a data security processor for Intuit in Tucson.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:** Choose Session 1 or 2

**Session 1:** Jan. 16, 23 and 30, Feb. 6, 13 and 27, March 6 and 13 (eight Saturdays; no class on Feb. 20), 10:30-11:50 a.m.

**Session 2:** March 20 and 27, April 3, 17 and 24, May 1, 8 and 15 (eight Saturdays; no class on April 10), 10:30-11:50 a.m.

## SECRETS OF DRAWING

(Grades 3-5) (586\*)

Students in this class students will learn and practice key representational drawing techniques, including grids and shape mapping, shading, proportions and basic perspective. From composition to content, students will be encouraged to develop their rendering skills while strengthening creative thinking, focus and attention to details. This course is offered through the Euphrat Museum of Art.

**Instructor:** Lydia Sanchez is a visual artist and art instructor working in the Cupertino Union School District at West Valley and Muir Elementary Schools, and the Euphrat Museum of Art. She encourages children and youth to use their imaginations and express their own ideas about the world around them.

**Class requirements:** Tablet or computer with internet capability; see the online registration listing for other supplies needed.

**Cost:** \$165

**Dates and times:** Choose Session 1 or 2

**Session 1:** Feb. 2, 9, 16 and 23, March 2, 9, 16 and 23 (eight Tuesdays), 3:30-4:30 p.m.

**Session 2:** April 6, 13, 20 and 27, May 4, 11, 18 and 25 (eight Tuesdays), 3:30-4:30 p.m.

## UI/UX AND MOBILE APP DEVELOPMENT – BEGINNING TO INTERMEDIATE

(Grades 3-6 and 7-12) (559\*)

This course covers best practices and conventions in UI/UX design, while teaching students to apply them to creating effective and compelling apps. Students will learn the process of UX and mobile app design, while exploring the differences between designing for iOS and Android apps. The class will create mockups and animated prototypes, using such tools as Figma, before creating a small mobile app based on the UI developed in class.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:**

**Grades 3-6:** Choose Session 1 or 2

**Session 1:** Jan. 10, 17, 24 and 31, Feb. 7, 21 and 28, March 7 (eight Sundays; no class on Feb. 14), 9:30-10:50 a.m.

**Session 2:** March 14, 21 and 28, April 11, 18 and 25, May 2 and 9 (eight Sundays; no class on April 4), 9:30-10:50 a.m.

**Grades 7-12:** Choose Session 1 or 2

**Session 1:** Jan. 15, 22 and 29, Feb. 5, 12 and 26, March 5 and 12 (eight Fridays; no class on Feb. 19), 5:30-6:50 p.m.

**Session 2:** March 19 and 26, April 2, 16, 23 and 30, May 7 and 14 (eight Fridays; no class on April 9), 5:30-6:50 p.m.

## WEB DEVELOPMENT – BEGINNING TO INTERMEDIATE

(Grades 8-12) (398\*)

This course is designed to start students on a path toward future studies in web development and design – even if they have little experience or technical knowledge. Students will spend time designing, building and publishing their own websites, as they begin to learn the big three web languages: HTML, CSS and JavaScript. The class will also introduce students to the basics of how the internet works and important concepts of internet safety.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability.

**Cost:** \$215

**Dates and times:** Jan. 10, 17, 24 and 31, Feb. 7, 21 and 28, March 7 (eight Sundays; no class on Feb. 14), 4-5:20 p.m.

## WEB DEVELOPMENT – INTERMEDIATE TO ADVANCED

(Grades 8-12) (588\*)

Students in this course will continue their study of web development and design, as they practice designing with mobile first concepts, while building and publishing their own responsive websites. Students will also learn how to automatically test their websites for compatibility between various browsers as well devices.

**Instructor:** Jasneet Matta has a master's degree in information technology from Mumbai University and has taught students in grade

school through college. She thrives on teaching students to grow socially and academically, while helping them gain self-confidence through motivation and encouragement.

**Class requirements:** Tablet or computer with internet capability.

**Cost:** \$215

**Dates and times:** March 14, 21 and 28, April 11, 18 and 25, May 2 and 9 (eight Sundays; no class on April 4), 4-5:20 p.m.

## WRITING CONCEPTS I

(Grades 6-8 and 9-12) (552\*)

This course will focus on basic writing concepts and the writing process. From analyzing main ideas, topic sentences, coherence, unity and structures in given paragraphs, students will move to creating their own pieces of writing, working with narrative, descriptive, expository, persuasive and compare-and-contrast paragraphs. The course will include rewriting, editing and revising based on instructor feedback. All topics are based on Common Core Curriculum.

**Instructor:** Bina Barnabas grew up in India, where she earned a bachelor's degree in education and a master's in English literature. For more than 40 years, she has taught ranging in age from 5 to 75 in India, Japan and the United States. She especially enjoys teaching language arts to middle schoolers. She likes to read and play with paper, fabric, needle and thread.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:**

**Grades 6-8:** Jan. 17, 24 and 31, Feb. 7, 21 and 28, March 7 and 14 (eight Sundays; no class on Feb. 14), 9:30-10:50 a.m.

**Grades 9-12:** Jan. 17, 24 and 31, Feb. 7, 21 and 28, March 7 and 14 (eight Sundays; no class on Feb. 14), 12:30-1:50 p.m.

## WRITING CONCEPTS II

(Grades 6-8 and 9-12) (589\*)

Building on the fundamentals taught in Writing Concepts I, this course will take students through two more types of writing. In the first part of the class, students will write a research paper on a topic of their own choice, learning to write a claim, find and evaluate websites, research a topic using at least three sources, and craft an essay. In the second half, students will read a short story, practice writing short answer questions. They will learn to write a claim and support their ideas with evidence from the text, incorporating quotations from the story as well as from outside sources as relevant. All topics are based on Common Core Curriculum.

**Instructor:** Bina Barnabas grew up in India, where she earned a bachelor's degree in education and a master's in English literature. For more than 40 years, she has taught ranging in age from 5 to 75 in India, Japan and the United States. She especially enjoys teaching language arts to middle schoolers. She likes to read and play with paper, fabric, needle and thread.

**Class requirements:** Tablet or computer with internet capability

**Cost:** \$215

**Dates and times:**

**Grades 6-8:** March 21 and 28, April 11, 18 and 25, May 2, 9 and 16 (eight Sundays; no class on April 4), 9:30-10:50 a.m.

**Grades 9-12:** March 21 and 28, April 11, 18 and 25, May 2, 9 and 16 (eight Sundays; no class on April 4), 12:30-1:50 p.m.



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## De Anza College COMMUNITY EDUCATION

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

## Registration & Policies

### CONTACT

#### COMMUNITY EDUCATION OFFICE:

De Anza College Learning Center (LC 141),  
21250 Stevens Creek Blvd., Cupertino, CA  
95014

**HOURS:** Monday-Friday, 8:30 a.m.-5 p.m.  
The office is closed to the public through  
June 2021. We will be working during  
these hours but you will not be able to visit  
us in person.

**PHONE:** 408.864.8817

**EMAIL:** [communityeducation@deanza.edu](mailto:communityeducation@deanza.edu)

**WEBSITE:** [deanza.edu/communityed](http://deanza.edu/communityed)

#### PLANETARIUM

The Planetarium is located on the De Anza  
College Campus, behind the Science  
Center Building next to parking Lot E.

**PHONE:** 408.864.8814

**EMAIL:** [planetarium@deanza.edu](mailto:planetarium@deanza.edu)

**WEBSITE:** [deanza.edu/planetarium](http://deanza.edu/planetarium)

### PARKING

Winter and spring Community Education  
classes will meet online only.

### ONLINE CLASS INFORMATION

Winter and spring Community Education  
classes will be held online via Zoom,  
unless otherwise noted. We will email  
students with information on how to  
access each class before the first  
session. For assistance, please email  
[communityeducation@deanza.edu](mailto:communityeducation@deanza.edu)

### EASY WAYS TO ENROLL

All new students must create a student  
profile in the registration system before  
enrolling in a class. If you forget your  
username or password, you can retrieve it  
by clicking the "Forgot My Password" link  
on the sign-in page.

**ONLINE:** Register online 24/7 with a valid  
Visa, MasterCard or Discover card. Visit  
[deanza.edu/communityed](http://deanza.edu/communityed) for information  
and instructions. If you need technical  
assistance, please call 408.864.8817  
during office hours.

**IN PERSON:** In-person registration is not  
currently available. Please register online  
or call us at 408.864.8817 during office  
hours should you need assistance.

### CLASS CONFIRMATION & TRANSACTION RECEIPTS

Once you create your student profile  
and enroll in a course, you will receive  
confirmation and a receipt via email. You  
can also view the transaction receipt  
and class confirmation on our online  
registration system.

### MATERIALS & BOOKS

Some classes may require additional  
materials and or books. Unless otherwise  
noted, students are responsible for  
acquiring all materials and or books  
required for the class.

### CAMPUS SECURITY

**WEEKDAYS:** 408.864.5555

**WEEKENDS AND EMERGENCIES:**  
408.924.8000

### CANCELED CLASSES

De Anza College Community Education  
reserves the right to change or combine  
courses, programs, presenters and  
locations. If we cancel a class, you will  
be notified no later than one business  
day prior to the start date via telephone  
or email. A full refund will be issued to  
your credit card within two weeks of the  
cancellation.

### DROP & REFUND POLICY

If you need to withdraw from a class,  
you must submit an email request to  
the Community Education office at  
least five business days prior to the first  
class. Holidays and weekends are not  
considered business days. No phone  
requests for refunds will be accepted.  
A \$15 processing fee per class will be  
deducted. Credit card refunds may take  
up to 30 working days to process. Please  
email [communityeducation@deanza.edu](mailto:communityeducation@deanza.edu)  
to request a refund.

**ELECTRONIC VOUCHERS:** If you choose  
to receive an electronic voucher in lieu  
of refund, the \$15 processing fee will  
be waived. Vouchers are good for one  
calendar year from the date of issue.

There are no refunds after the electronic  
voucher has been processed.

**ABSENCES AND FEES:** Refunds are not  
issued for absences nor prorated for late  
registration. Missed class meetings may  
not be made up in another class. In order  
to observe student privacy, online class  
sessions will not be recorded.

### COURSE & PUBLICATION INFORMATION

De Anza College Community Education  
courses provide lifelong learning  
opportunities and local recreation. The  
Community Education Department has  
made every reasonable effort to ensure that  
the information in this catalog is accurate.

### SIGN LANGUAGE SERVICES

De Anza College is committed to providing  
sign language interpreting and captioning  
services for Community Education courses  
whenever possible, through a partnership  
with De Anza's Office of Deaf and Hard of  
Hearing Services. Requests for interpreting  
services must be made 30 days in advance  
of a class starting date. Please email  
[communityeducation@deanza.edu](mailto:communityeducation@deanza.edu)  
to request services.

### ADDITIONAL INFORMATION

De Anza College is committed to equal  
opportunity regardless of age, gender,  
marital status, disability, race, color, sexual  
orientation, religion, national origin or other  
similar factors for admission to the college,  
enrollment in classes, student services,  
financial aid and employment. Instructor's  
personal views and statements do not  
necessarily reflect those of De Anza College.

De Anza College assumes no responsibility  
for any consequences that may arise from a  
student's decision to enter into business or  
professional arrangements with an instructor  
outside of the college's scheduled activity.  
All instructors are prohibited from entering  
into business relationships with Community  
Education students during class.



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De Anza College  
**ED2GO**  
for Teens & Adults

## EXPERIENCE “EDUCATION TO GO” ONLINE CLASSES THAT YOU CAN ACCESS ANYTIME & ANYWHERE!

De Anza’s Community Education program offers more than 450 online courses that are designed for students age 14 or older. These classes are informative, fun, convenient and highly interactive. Ed2Go focuses on creating a supportive and positive learning community. Courses are instructor-led and project-oriented, featuring lessons, hands-on assignments, discussions and supplementary links. New course sessions start every month!

All courses are six weeks long, with an optional two-week extension. You can complete these courses from any location and at any time, day or night. All you need is an email account and internet access. Course start dates are Dec. 9, Jan. 13, Feb. 10, March 17, April 14, May 12, June 16 and July 14.

For more information, please visit the Ed2Go Online Instruction center:

**ED2GO.COM/FHDA**

### DE ANZA’S MOST POPULAR COURSES:

1. SAT/ACT Prep Course Part I
2. C# Programming
3. Java Programming
4. Python 3 Programming
5. SQL Programming
6. Microsoft Office Value Suite
7. Project Management II
8. GRE Preparation
9. Speed Spanish
10. Writing Essentials

### SAMPLE COURSE OFFERINGS:

#### ACCOUNTING & FINANCE

- Accounting Fundamentals I and II
- Business Finance for Non-Finance Personnel
- Crystal Reports
- Microsoft Office Accounting Professional
- Payroll Practice and Management
- Personal Finance
- Quickbooks
- Real Estate Investing I and II
- Statistics
- Stock Trading Suite

#### BUSINESS

- Administrative Assistant Suite
- Catering Professional
- Creating a Successful Business Plan
- Customer Service
- Digital Marketing Suite
- Effective Business Writing
- Entrepreneurship Suite (Project Management and Effective Communication)
- Explore a Career as a Paralegal
- Manager Suite
- Project Management Professional (PMP)
- Project Management Fundamentals Suite
- Public Speaking

- Restaurant Manager
- Sales Training Suite
- Small Business Marketing on a Shoestring
- Start Your Own Business
- Supervision and Management
- Veterinary Assistant with Horse Care

#### CHILDREN, PARENTS & FAMILY

- Homeschool with Success
- Managing Life as a Single Parent
- Marriage and Relationships: Keys to Success
- Navigating Divorce
- Ready, Set, Read!
- Response to Intervention: Reading Strategies
- Singapore Math Strategies
- Teaching Students With Learning Disabilities
- Understanding Adolescents

#### COMPUTING & NETWORKING

- Adobe Acrobat X
- Computer Networking Suite
- CorelDRAW
- Home PC Security
- Linux
- LPI Linux Essentials Exam Prep
- Microsoft Office: Word, Excel, PowerPoint, Access, Project, Publisher
- PC Troubleshooting
- Understanding the Cloud
- Wireless Networking

#### DATABASE MANAGEMENT & PROGRAMMING

- Ajax, Ruby & Java
- C# Programming Series
- C++
- Creating WordPress Websites
- CSS
- Database Development
- Dreamweaver
- HTML and CSS Series
- Mac, iPhone and iPad Programming
- PHP and MySQL Series
- Python
- Visual Basic Series
- Web Design
- XML

#### GRAPHICS, VIDEO DESIGN & PHOTOGRAPHY

- 3ds Max
- Adobe Edge Animate
- Adobe Suite (Acrobat, Dreamweaver, Final Cut, Flash, Illustrator, InDesign, Photoshop)
- Lightroom CC
- Movies with Windows XP or Vista
- Photography
- Video Game Design and Development

#### GRANT WRITING & NONPROFIT MANAGEMENT

- A to Z Grant Writing Series
- Grant Writing Suite
  - Intro to Nonprofit Management
  - Marketing Your Nonprofit
  - Nonprofit Fundraising Essentials
- Nonprofit Suite
- Writing Essentials

#### HEALTHCARE

- Optical Assistant
- Certificate in Energy Medicine
- Certificate in Infectious Diseases and Infection Control
- Certificate in Legal and Ethical Issues in Healthcare
- Certificate in Perinatal Issues
- HIPAA Compliance
- Human Resources for Healthcare Professionals
- Medical Terminology Series
- Physical Therapy Aide
- Spanish for Medical Professionals

#### HEALTH & WELLNESS

- Certificate in Food, Nutrition and Health
- Certified Professional Life Coach
- Happy and Healthy Pregnancy
- Healthy Living Suite
- Medical Office Basics Suite
- Natural Health and Healing

#### LANGUAGES

- Easy English I, II and III
- French
- Grammar for ESL
- Italian
- Japanese
- Sign Language
- Speed Spanish I, II and III

#### PERSONAL ENRICHMENT

- Drawing for the Absolute Beginner
- Merrill Ream Speed Reading
- Genealogy Basics

#### WRITING & PUBLISHING

- Beginning Writer’s Workshop
- Effective Business Writing
- Fantasy Novel
- Grammar Refresher Series
- Magazine Writing
- Screenwriting
- Write and Publish Your Nonfiction Book
- Write Fiction Like a Pro
- Writing Young Adult Fiction



# De Anza College Planetarium

## VISIT THE STARS – VIRTUALLY!

The DE ANZA PLANETARIUM is offering  
**ONLINE FIELD TRIPS** for classes and  
school groups

- Students can enjoy an experience that's educational, interactive – and FUN!
- Each online session is a live presentation by one of our Planetarium specialists

Virtual field trips for grades K-8 offered through June 5  
Reserve a time for your class:  
[deanza.edu/planetarium/virtual-field-trips](https://deanza.edu/planetarium/virtual-field-trips)



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