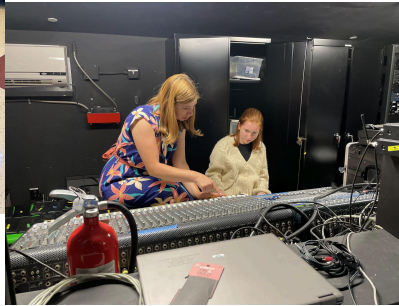




**Musical Theater** (Heather Raines) 5 weeks Ages 7-17

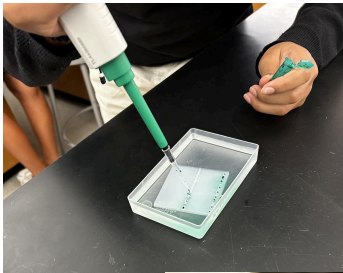
Come perform in **Shrek The Musical JR** with us this summer! During this five week course, students will audition for, rehearse, and perform in this inspiring, coming-of-age tale. **Due to the cumulative and collaborative nature of performance, students would need to commit to all five weeks including all evening performances.**



**Baking: Sweet Summer Creations** (Julie Garrahan) Grades 3-5 and Grades 6-9

Students will learn and practice the basics of baking with new and varied projects each day. Students will practice measuring and mixing techniques, as well as presentation skills. We will discuss the chemistry behind the recipes. Students will get to sample and bring home their creations.





## Biotech Unveiled: Concepts, Tools, and Applications

(Tracy Gilcrist) Grades 6+ 4 days

This interactive, project-based course focuses on biotechnology and engages students in three hands-on labs. These activities provide a fun, engaging introduction to biotechnology concepts.



- **DNA Fingerprinting:** Students use real DNA samples to solve a crime scene mystery, learning to cut and separate DNA through electrophoresis.

- **Genes in a Bottle:** Students extract their own DNA from cheek cells using lab techniques, then preserve it in a necklace.

- **PGlo:** Students genetically modify bacteria to glow in the dark by transferring a plasmid from jellyfish, learning about genetic engineering and protein creation.



## Brushstrokes with Ms Bhu (Bhu Singh) Grades 2-5

Students will create different projects using acrylic paint and watercolors. Learning about the elements of art, and color theory on mixing and blending colors, students will be exposed to art history and how the great artists use different styles and techniques in their work. Projects are taught step by step to make sure all students can easily follow. The goal of this class is to make art fun and relaxing, and to explore the wonderful world of art.





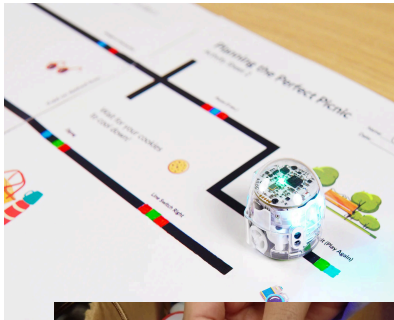
### **Chemistry of Suds, Smells and Bubbles** (Katie Henderson)

Grades 2-5

Soap, perfumes and bath bombs: chemistry is all around us!

Students will learn and explore cosmetic chemistry with hands-on experiments. The bubbles of bath bombs will be used to understand chemical reactions. Acid and base chemistry will be explained as students make their own soap. Our budding

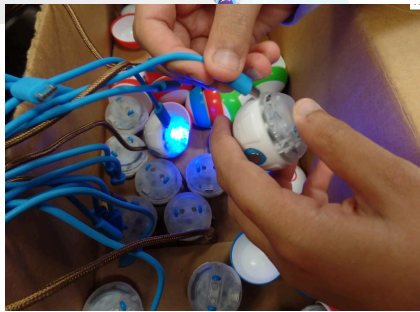
chemists will discover how the shapes of molecules can be used to mimic smells. All our lab experiments will expose students to the skills needed for middle school and high school courses. Hands-on experiments will explore what makes bath bombs fizz, the structure of perfumes, the process of making lip balm and saponification.



### **Creative Coding with O-mazing Ozobots!** (Emily Clay)

Grades 2-5

Explore your passions for coding and art in this engaging robotics class! Students will learn foundational computer programming concepts with Ozobot, the robot that follows what you draw on paper. Get creative with your own original tracks and mazes, and learn color codes to give Ozobot commands to control its behavior. These robots are user-friendly and fun for all ages!



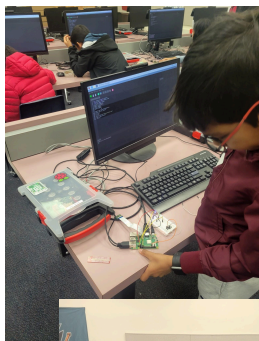
### **Creative Writing and Design** (Jill Wharton) Grades 2-5

Students will work on various creative writing projects incorporating music, short films, reading, writing, listening, and speaking skills. Students will design their books and will collaborate on other writing projects such as making comic strip panels and creating stories for books with no words. They will produce their very own book with their favorite creations!



**CSI: The Case of the Murdered Mayor** (Tracy Gilcrist) Grades 6+ 4 days

This hands-on, project-based course immerses students in the world of CSI and forensic science. Students take on the role of crime scene investigators, using skills like observation and deduction to solve a crime scenario. They analyze evidence such as blood typing, fingerprints, hair samples, tire prints, and forensic entomology. Students also review police logs, study blood spatter, and create their own mock crime scenes. The course helps develop critical thinking, and students participate in a mock trial, taking roles like expert witness, prosecutor, defense attorney, or jury member. The course aligns with NGSS Scientific and Engineering Practices.



**From Tinker to Techie: Hands-on Coding Creations with Raspberry Pi & Python (Intro)** (Sean Raser) Grades 6-9

This hands-on coding workshop is perfect for beginners who want to dive into the world of Raspberry Pi and Python programming. Discover how to bring your creative ideas to life by learning the basics of coding and exploring the endless possibilities of Raspberry Pi. Students will learn about the physical hardware of a Raspberry Pi, how it operates, and how to use Python to program input/output components, sensors, and the Pi-camera. Students will see just how powerful this micro-computer is and get some coding experience by controlling these accessories with Python. This will be a great introduction to both physical computing and programming. Whether you're a tinkerer or aspiring techie, this event is the perfect opportunity to get hands-on experience and unleash your inner coding genius. Don't miss out on this chance to become a coding superstar!





### **Global Bites: A Culinary Journey - Travel Through Food**

(Julie Garrahan) Grades 3-5 and Grades 6-9

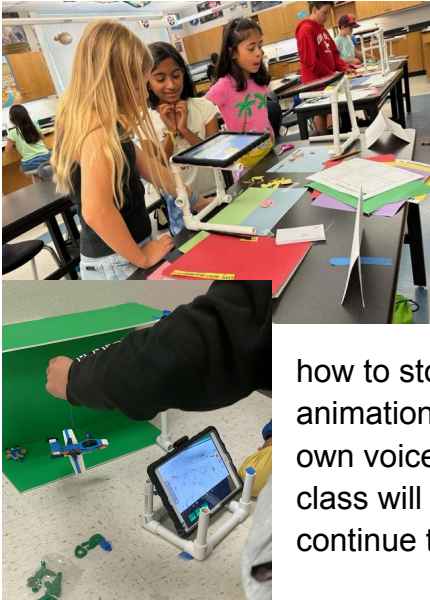
Students will learn and practice the basics of baking with new and varied projects each day. Students will practice measuring and mixing techniques, as well as presentation skills. We will discuss the chemistry behind the recipes. We will do some "virtual" traveling by learning the culinary history of many foods that come from different countries. Students will get to sample and bring home their creations.



### **Level up your money game this summer: Finance & Economic Literacy**

(Samir Khatri) Grades 6+

Discover the secrets to making, saving, and growing your money like a pro! Whether you dream of launching your own business, mastering smart spending, or just want to know how to make your cash work for you. Don't miss out on this chance to gain skills that will set you up for success in the real world. Sign up now and take control of your financial future!



**Lights Camera Action!: Stop Motion Animation** (Erin Lopez)  
Grades 3-6

Technology meets art in this introduction to animation class. As a foundation, students will learn about the history of animation by exploring zoetropes, thaumatropes, flipbooks and so many other intriguing early forms of animation. Students will use a variety of mediums, from paper to Legos to Model Magic clay, to practice the art of stop motion animation. Students will learn

how to storyboard, write a script, film, and edit their own stop motion animation films. In addition, students can add in sound by recording their own voices or collaborating with others to bring their story to life. This class will spark the imagination and creativity that students can use to continue to tell their own stories beyond the walls of a classroom!



**Medical Interventions** (Kyle Costamagna) Grades 6+

Learn how to save a life! Students will become empowered to make a difference in their communities through the learning of life saving skills. They will learn the basics of CPR, bleeding control, and other first aid measures. Class is taught by an experienced and nationally certified paramedic!



**Ocean Odyssey: Exploring California's Marine Wonders**  
(Jacob Martin) Grades 2-5 & 6-9

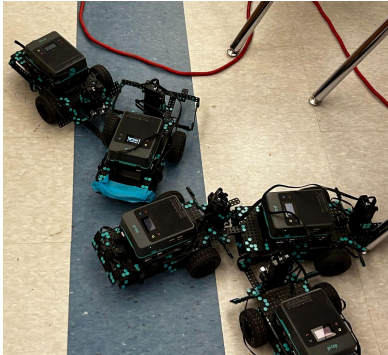
Join us for an exciting marine biology adventure. Dive into the fascinating world of California's marine wonders. Get hands-on experience with marine life and explore coastal ecosystems. You will interact with live starfish, anemones, crabs, nudibranchs, and more while you learn about the foundations of California's coastal ecosystems and the role your favorite animals play. This course will spark curiosity and excitement about science by incorporating hands-on labs, inquiry-based learning, art, and engineering projects. Don't miss out on this chance to embark on an unforgettable journey through our beautiful coastal waters!



### **Public Speaking Practice: Become a Confident Speaker**

(Jill Wharton) Grades 6+

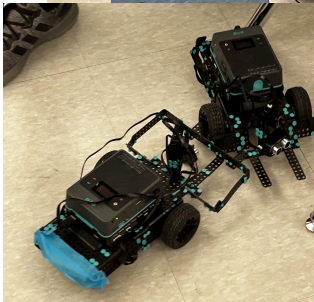
Students will learn tips and tricks to become more confident speakers. They will develop and practice public speaking skills to improve their class projects and presentations.



### **Robo Racers: Unleash Your Robo Racer Inner Engineer with Python and Pi**

(Sean Raser) Grades 6-9

Robo Racers is your chance to dive into the world of robotics and programming. The Raspberry Pi is a versatile resource for physical computing and digital making for students of all ages. This course will introduce students to the Raspberry Pi through hands-on work building and programming a robotic car that is capable of autonomous movement, remote control and object-detection. This course is intended for students that have previously completed the Intro to Raspberry Pi course or have experience programming with Python.



### **Space Odyssey!! (Kyle Costamagna) Grades 2-6**

Embark on an extraterrestrial journey as we explore the technology used in space travel. Students will make and launch their very own model rocket. They will engage in hands-on collaborative problem solving challenges, gaining friendships and knowledge along the way.