Education Programs
Fourth Grade - Life Science

Program Type: Field Trip

Coyote Hills Regional Park
Fremont
http://www.ebparks.org

Station Day
https://www.ebparks.org/activities/educators/field_trips/trips/default.htm

**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th;TK

Your students will explore the park’s resources through a variety of stations, which can highlight either the cultural or ecological significance of Coyote Hills – you decide!

Environmental Discovery Center of Sonoma County
Santa Rosa
http://www.sonoma-county.org/parks/edc.htm

Healthy Earth, Healthy Bodies
https://parks.sonomacounty.ca.gov/Learn/Field-Trips/

**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th

Take a field trip to a farm! This program combines the best in science education while making the connection between protecting natural resources and growing healthy bodies. Students will learn the benefits of eating healthy foods, take a rigorous hike, tour the farm, and work in the garden. Reinforces grade-level state science standards in life science and health. Held at Tolay Lake Regional Park in Petaluma.

Exploratorium
San Francisco
http://www.exploratorium.edu

Bernard and Barbro Osher Gallery 1: Human Phenomena
https://www.exploratorium.edu/visit/galleries

**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Experiment with thoughts, feelings, and social behavior
Humans think, feel, and interact, and these phenomena are all open to scientific investigation and creative exploration. Here, you and others are the exhibits—so play with social interactions, observe others, and contribute your reflections.

Tactile Dome
https://www.exploratorium.edu/visit/west-gallery/tactile-dome

**Grade Levels:** 3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Discover a world where the walls seem alive and your hands tell you more than your eyes. Come to the Exploratorium and experience a whole new way of feeling in the Tactile Dome. Crawl, climb, and slide through amazing textures in complete darkness, using only your sense of touch to guide you.

Outdoor Gallery: Open your senses to this place by the Bay.
https://www.exploratorium.edu/visit/galleries

Grade Levels: 1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Investigate forces shaping the City, Bay, and region. Watch shifting winds and tides, reveal hidden life, shake a bridge, observe human behavior, and find new ways to notice the places we inhabit.

Gallery 4: Living Systems
https://www.exploratorium.edu/visit/galleries

Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Investigate the living world. Sometimes life is hard to observe, because it’s too tiny or fast or is hidden underground or in the ocean. Discover what you’ve been missing: use scientific tools to investigate living things of different sizes, the ecosystems they inhabit, and the processes they share.

Lawrence Hall of Science
Berkeley
lawrencehallofscience.org

Squid: The Inside Story Workshop
https://www.lawrencehallofscience.org/visit/field_trips

Grade Levels: 3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Age Appropriate Activities Per Grade Level Group. Students investigate the amazing structural and physiological adaptations of squid by dissecting fresh specimens. They discover the difference between male and female squid, investigate the digestive and circulatory system, and make comparisons between the squid’s anatomy and their own. Students learn to think like biologists as they infer how a species’ environment shapes its anatomy and physiology.

Loma Vista Farm & Garden
Vallejo
http://www.lomavistafarm.org/

Loma Vista Farm Visit

Grade Levels: K;1st;2nd;3rd;4th;5th
Students go to the farm and learn about life on the farm through lessons that correspond with California State Education Standards. The children are encouraged to observe similarities and differences in the animals and use their senses such as touch and hearing. The Farm offers a great variety of plant and animal life that creates a dynamic learning environment. The educational goal of Loma Vista Farm is for students to learn about animals and plants in ways that meet the California State Standards. The Farm provides the opportunity to fulfill the educational goals of Life Science Standards and enhances math and language arts standards. Please come prepared to do hands-on lessons that your students will find meaningful and memorable. The Farm is your tool to bring learning to life. Doing a short activity in the morning and going to the farm in the afternoon is encouraged. Special program suggestions for VCUSD schools.

Math Science Nucleus
Fremont
http://www.msnucleus.org

Light Magic
http://www.msnucleus.org/classes/fieldnucleus.htm

Grade Levels: 3rd;4th;5th
Can you change the way that light moves? What is a hologram? How is light different colors? Students will bounce light off mirrors, and learn about optical illusions. Students experience the power of lasers and receive a hands lens
Third Grade: Physical Sciences (2a,b,c,d)
Live Animal Presentations
http://www.randallmuseum.org/

- **Grade Levels:** K; 1st; 2nd; 3rd; 4th; 5th; 6th; 7th; 8th
- Choose from the following topics that best supplement your curriculum.
  - Animal Senses
  - Animal Habitats
  - Nocturnal Animals
  - Predator-Prey Relationships
  - Topic of your choice

Semifreddi's Bakery
Emeryville

Bakery Tour
http://www.semifreddis.com/community-kids

- **Grade Levels:** 1st; 2nd; 3rd; 4th; 5th; 6th; 7th; 8th; 9th; 10th; 11th; 12th
- Mike is willing to do field trips to his bakery site in Emeryville whenever he has a chance. The students get to see how a bakery is run. From wheatberries to flour milling, yeast rising, dough handling, mixing, shaping and baking. Feel, see and smell. Each person gets a gift bag of bread.

Sunol-Ohlone Regional Wilderness
Sunol

U-Pick Nature Program: In Park or Class
https://www.ebparks.org/activities/educators/field_trips/trips/default.htm

- **Grade Levels:** K; 1st; 2nd; 3rd; 4th; 5th; 6th; 7th; 8th; 9th; 10th; 11th; 12th
- We will customize a program to fit your needs. Pollination, weather, animal adaptations, and more! Can't make it to the park? We'll come to you!

The Tech Museum of Innovation
San Jose

Life Tech Gallery
http://www.thetech.org

- **Grade Levels:** 3rd; 4th; 5th; 6th; 7th; 8th; 9th; 10th; 11th; 12th
- Explore the innovative ways technology allows us to see, hear, quantify, record and model the human body: from seeing your heat image in a thermograph to taking a fly-through anatomy trip in "Visible Human". Examine the exciting applications and compelling issues of biotechnology. See the 16-foot DNA spiral sculpture and explore how advances in genetics and biological science affect our lives. Human habitation in diverse environments, properties of light, energy, matter, physiology, genetics, DNA, science.

Tilden Nature Area-Tilden Regional Park
Berkeley

http://www ebparks.org
Tailored Naturalist Program: Habitats
https://www.ebparks.org/activities/educators/field_trips/trips/default.htm
Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
the Tilden Naturalists can adapt their programs to meet the specific needs of your science unit. Sign up for a fieldtrip via the lottery system and give them a call once you are selected.

UC Botanical Garden
Berkeley
http://botanicalgarden.berkeley.edu/

California Natives: Plants and People
https://www.ebparks.org/activities/educators/field_trips/trips/default.htm
Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
How could people get everything they need from the natural environment without stores? Learn about the plants used by California Indians for food, shelter, clothing, tools, medicine, games, and music. Become familiar with the varied customs and skills of California’s earliest inhabitants.

Program Type: In-Class Program

Classroom Safari
Petaluma
https://www.classroomsafari.org/

Skulls & Skeletons
https://www.classroomsafari.org/schools
Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Whose skull is this? What bone is that? See and touch bones from many different species. Some of the bones we will bring are a camel skull, warthog skull, various reptile bones, ostrich, birds, bison and more. We will compare an alligator skull to a crocodile skull, a real giraffe neck bone to a plastic human neck bone model. Play our "Deer in a Bucket" game and reconstruct a deer skeleton. Who knew "BONES" could be so much fun

Mad Science - Mt. Diablo
Concord
http://www.madscience.org/locations/mtdiablo/

Cell-A-Bration
http://www.madscience.org/locations/southbay/Workshops1.aspx?sm=5264
Grade Levels: 2nd;3rd;4th;5th
Explore the different components to the cell and how they compare to your city. Children will make their own Petri dish cell to take home.

Incredible Human Machine
http://www.madscience.org/locations/mtdiablo/
Grade Levels: K;1st;2nd;3rd;4th;5th
Explore the mysteries of the human body. See what happens when you breathe. Take home a working model of our lung!

Marine Science Institute
Redwood City
http://www.sfbaymsi.org
Two stations: Sharks and Bony Fish. Students will analyze the feeding habits, adaptations, locomotion, and predator/prey relationships of leopard sharks, halibut, perch, gobies, and other fish species through hands-on discovery. Students are introduced to their estuarine neighbors; more advanced groups study classification, anatomy, and physiology. Program topics can be tailored to your group. An Educator's Guide is provided.

**Inland Voyages-Bay Fish**
https://www.sfbaymsi.org/inland-voyage

**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Oakland Zoo
Oakland
http://www.oaklandzoo.org

**School ZooMobile - “Poop – the Best Gift Ever!” - Animal Digestion, Energy, & Food Webs**
http://www.oaklandzoo.org/ZooMobile_Community.php

**Grade Levels:** 4th;5th

Some call it waste, some call it poop, and some call it words we like to keep out of school. Still the importance of “it” to the ecosystem is undeniable. Discover the many ways we can learn about animals from their scat, and how animal digestion, the resulting feces and a wide variety of decomposers keep the world’s food web alive and healthy.

Sulphur Creek Nature Center
Hayward
http://www.haywardrec.org/129/Sulphur-Creek-Nature-Center

**Mammal Menagerie - In-Class**
http://www.haywardrec.org/354/School-Programs

**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th

What do coyotes, whales, bats and people have in common? Learn all about this amazing group of animals and how they have adapted to live in every environment. Discover their tremendous diversity, communication strategies, brain development and sensory adaptations.

Sunol-Ohlone Regional Wilderness
Sunol
http://www.ebparks.org

**U-Pick Nature Program: In Park or Class**
https://www.ebparks.org/activities/educators/field_trips/trips/default.htm

**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

We will customize a program to fit your needs. Pollination, weather, animal adaptations, and more! Can’t make it to the park? We’ll come to you!

The Gardens at Heather Farms
Walnut Creek
http://www.gardenshf.org/

**Healthy People, Healthy Planet In-Class**
http://www.gardenshf.org/youth-programs.html#healthypeople

**Grade Levels:** K;1st;2nd;3rd;4th;5th

Students learn about health, nutrition and the environment. By understanding the benefits of developing healthy and sustainable eating habits, students will acquire the knowledge that they are in control of their own impact on the planet. (Also available as a field-trip)
In-Class Presentation
http://www.wolfschool.org/

**Grade Levels:** K; 1st; 2nd; 3rd; 4th; 5th; 6th

The WOLF School offers in-class presentations to supplement your regular classroom instruction. All presentations include standards-based hands-on activities, songs, active games and student-centered discussion. Topics include: Animals! Animals!, Amazing Plants, California’s Gold Rush, Native American History, Geology Rocks!, Salamanders, Water Cycle and Watersheds, Group Building and Challenge Activities, Design Your Own.

Program Type: Temporary Exhibit

California Academy of Sciences
San Francisco
http://www.calacademy.org

**Skin: Living Armor, Evolving Identity**

https://www.calacademy.org/exhibits-events

**Grade Levels:** K; 1st; 2nd; 3rd; 4th; 5th; 6th; 7th; 8th; 9th; 10th; 11th; 12th

(Opening June 14, 2019) Skin is the way we face our world. Uniquely personal yet universal, this complex organ forms a living interface between organisms and their environment. In this immersive new exhibit, discover the shape-shifting, color-changing, and ever-evolving nature of skin. From thick-skinned armadillos, rhinoceros, and turtles to colorful insects and birds, dynamic displays of Academy scientific specimen reveal the extreme protection that skin can offer while multimedia experiences show visitors how animals heal in extraordinary ways. Interactive elements throughout the exhibit invite visitors to stimulate their own skin’s array of sense to uncover how we perceive temperature, vibration, and pressure. Plus, explore the layers of meaning humans have associated with skin color throughout history and how this shapes the way we view, interact with, and identify ourselves and each other in a modern world.