Education Programs
Fifth Grade - Life Science

Program Type: Assembly

WildMind Science Learning
Pacifica
http://www.wildmindscience.org/

Creepy Critters
https://www.wildmindscience.org/programs/
Grade Levels: K;1st;2nd;3rd;4th;5th
Crawling with excitement and the adventure of learning, this program explores the gentler side of the most misunderstood squiggly and squirmy animals of the wild kingdom. Boa, Tortoise, Alligator, Tarantula, Giant Lizard. It is most effective to group your students by grade levels. A kindergarten - 3rd grade assembly lasts about 35-45 minutes. Assemblies for older grades last about 45 to 55 minutes. An assembly for the whole school lasts 45-55 minutes.

California Wild
https://www.wildmindscience.org/programs/
Grade Levels: K;1st;2nd;3rd;4th;5th
Stretching from the mighty Sierra Nevada through the farmlands of the Central Valley to the stunning coastal regions, California is one of the most environmentally diverse areas in the nation. These intriguing animals will spark your students' curiosity and increase their knowledge of California’s wonderful natural history. Your students will gain insights into the secret lives of the intelligent and ecologically important animals that live around us. Porcupine, Red Fox, Great Horned Owl, Opossum, Red-Tailed Hawk. It is most effective to group your students by grade levels. A kindergarten - 3rd grade assembly lasts about 35-45 minutes. Assemblies for older grades last about 45 to 55 minutes.

Predators and Their Prey
https://www.wildmindscience.org/programs/
Grade Levels: K;1st;2nd;3rd;4th;5th
These incredible animals from around the world will teach your students how wild animals hunt their prey and how prey animals keep from being eaten. This predator-prey relationship is a keystone to understanding the balance of nature. The myth of the big bad predator is dispelled as we begin to appreciate the vital role predators play in maintaining natural systems. Wild behaviors, intelligence and communication between animals are revealed as well as our human impact on natural systems. This program offers a fascinating way for your students to discover the nature of science. African Serval, Grey Fox, Golden Eagle, Kestral, African Porcupine. It is most effective to group your students by grade levels. A kindergarten - 3rd grade assembly lasts about 35-45 minutes. Assemblies for older grades last about 45 to 55 minutes.

Program Type: Field Trip
Black Diamond Mines Regional Preserve
Antioch
http://www.ebparks.org

**Reptile Rendezvous**
http://www.ebparks.org/activities/educators
**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th
Join us for an up-close and personal visit with our resident gopher snake and learn how snakes and other reptiles are adapted to the habitats of Black Diamond. Program is one hour long.

Chabot Space and Science Center
Oakland
http://www.chabotspace.org

**Creatures of the Dark**
http://www.chabotspace.org/forms/school-field-trips.htm
**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th;7th;8th;TK
Can you guess which animals work 24 hours a day, 7 days a week... in the dark? Would you like to design and conduct your own experiment with some of the most important creatures on Earth? YES, of course! In this workshop, students will explore the world of decomposers and learn how they improve life for us here on earth by recycling and repurposing dead plants and animals into nutrient-rich soil.

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

**Habitat Heroes Discovery Hike**
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
Meet animal ambassadors, explore artifacts, and get outside in this adaptable, exploration-heavy, and sensory-engaging program. Choose a natural or cultural history focus.

Crab Cove Marine Reserve
Alameda
http://www.ebparks.org/parks/vc/crab_cove

**Food Chains**
https://www.ebparks.org/activities/educators/field_trips/trips/default.htm
**Grade Levels:** 2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Investigate how plants and animals of the Bay-estuary are connected. Participants build a Bay food chain, and explore outdoors with our staff.

Golden Gate National Parks Conservancy
San Francisco
http://www.parksconservancy.org/our-work/crissy/
Diverse-ology - self guided tour
Grade Levels: 3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Investigate the many natural resources of Crissy Field by bird-watching, monitoring ecological diversity, and learning about the medicinal properties of native plants. Play the "web of life" game and create your own web for your life and community. Investigate hot environmental issues in your urban national park! The Crissy Adventure Series, a set of four self-guiding activity books, allows your group to explore Crissy Field while learning about various urban environmental issues.
The Crissy Adventure

Hayward Shoreline Interpretive Center
Hayward
http://www.haywardrec.org/150/Hayward-Shoreline-Interpretive-Center

Shoreline Discovery
http://www.haywardrec.org/158/Shoreline-Discoveries
Grade Levels: 3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
This program introduces students to the natural history of a saltmarsh and the characteristics which make plants, animals, and invertebrates of the shoreline unique. We develop the idea of how a salt marsh works, including adaptations, habitats, and plant/animal interrelationships. Students will:
* classify marsh birds by feeding strategy;
* identify marsh fish and invertebrates;
* collect mud samples to observe and identify shoreline invertebrates; identify two important salt marsh plants;
* discuss some of the salt marsh / estuarine plant / animal interactions; record evidence of animal life along the trail.
School programs begin with a brief introduction on wetlands and the salt marsh habitat followed by a one, two or three hours hike. We can work with you to design a program that fits your classroom curriculum. 3 hours

Hidden Villa
Los Altos Hills
http://www.hiddenvilla.org

Farm and Wilderness Exploration
http://www.hiddenvilla.org/programs/prek6/2-6#fwe
Grade Levels: 2nd;3rd;4th;5th;6th
This program starts with a class-room orientation led by a naturalist before the field trip. Using a slide show, music, role-plays and hands-on teaching stations, the concepts and attitudes to be experienced at Hidden Villa are presented. During the field trip, the children lean the importance of the farm and wilderness to our urban environment. They may take their leftover lunches to the compost pile, compost to the garden, and garden plants to the animals who will turn them into wool sweaters, milk, eggs, or hairbrushes. They also explore a variety of plant communities, learn about food webs, predator/prey relationships, animal adaptations, and stewardship of the land.

Lawrence Hall of Science
Berkeley
lawrencehallofscience.org

Self-Guided Visit
https://www.lawrencehallofscience.org/visit/field_trips
Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Take your students to the Lawrence Hall of Science to enjoy the exhibits.
Lindsay Wildlife Experience
Walnut Creek
http://lindsaywildlife.org/

Ecosystem Energy Flow
https://lindsaywildlife.org/teachers-and-schools/
Grade Levels: 5th
Through inquiry and activities, we will understand how energy flows through an ecosystem and the important roles played by producers, primary and secondary consumers, and decomposers. From the sun and plants outside to our worm composting bins, the students will experience many levels of ecosystem energy transfer.

Marine Science Institute
Redwood City
http://www.sfbaymsi.org

Marsh & Beach Exploration
https://www.sfbaymsi.org/marsh-and-beach-exploration-
Grade Levels: 3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Pescadero Marsh & Beach Exploration is a wonderful opportunity to get students to experience nature through hands-on learning. Our instructors will guide your students through activities based on sandy beach and marsh & mudflat ecology. Students will compare sand found locally with sand from beaches around the world, explore the beach wrack-line, bird watch with the aid of binoculars while traversing the marsh and mudflat, and learn about the indigenous & invasive flora of California’s coastline. Students will gain an understanding of how beaches, marshes, and mudflats are formed and how humans impact these delicate ecosystems.

Discovery Voyage
https://www.sfbaymsi.org/discovery-voyage
Grade Levels: 4th;5th;6th;7th;8th;9th;10th;11th;12th
Spend a half-day as scientists aboard the 90 foot research vessel, the Robert G. Brownlee, discovering the SF Estuary's ecosystem. Students collect and examine plankton, run hydrology tests and observe wetland ecology. They will delve through mud samples to discover fascinating invertebrates that thrive at the Bay's bottom. Use a trawl net to catch, identify and measure fish, sharks, and rays. Program can be tailored to include specific themes and topics. An Educator’s Guide is provided.

Monterey Bay Aquarium
Monterey
http://www.mbayaq.org

Discovery Lab: Kelp Forest Connections
http://www.mbayaq.org
Grade Levels: 3rd;4th;5th
What an amazing food web we weave as we dive in and explore the beautiful and complex world of the kelp forest! Through close observation of kelp and the animals that live within the kelp forest, students will observe the adaptations that keep this entire ecosystem in balance. Discover the incredible connections that allow energy to flow through this lush and intriguing underwater world!

NatureBridge at Golden Gate
Sausalito
http://www.naturebridge.org/golden-gate
Field Science Program
http://www.naturebridge.org/school-group-field-science-golden-gate

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

Programs are carefully designed with the classroom teacher to compliment in-class curricula and lead students into areas of study not available in the everyday school environment. Core themes: a sense of place, interconnections and stewardship. Staff will work with teachers to develop a program that supports classroom objectives. Pack a lunch and snacks. Choose from areas of study including:

- Marine ecology
- Terrestrial plants & animals
- Watershed studies
- Earth & physical sciences
- Climate change

SF Botanical Garden & Strybing Arboretum
San Francisco
http://www.strybing.org

Guided Garden Tours - Web of Life
http://www.sfbotanicalgarden.org/ye/index.html#guidedschoolwalks

Grade Levels:  2nd;3rd;4th;5th

Learn about the interdependence of the plants and animals in the Botanical Garden's varied ecosystems. Free docent-guided walks are offered for elementary school students throughout the school year. Dates are assigned through two lotteries- one in mid-September and one in mid-December

Guided Garden Tours - Special Needs Tours
http://www.sfbotanicalgarden.org/ye/index.html#guidedschoolwalks

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

The SF Botanical Garden & Strybing Arboretum will gladly tailor a walk to your students’ needs and abilities. Please apply through the regular lottery and provide whatever information is appropriate. We encourage all special needs classes to apply.

Guided Garden Tours - Flower Walk - AVAILABLE SPRING ONLY
http://www.sfbotanicalgarden.org/ye/index.html#guidedschoolwalks

Grade Levels:  2nd;3rd;4th;5th

Discover how buds become flowers and flowers become fruit. Learn about the pollinators who help plants make seeds. Free docent-guided walks are offered for elementary school students throughout the school year. Dates are assigned through two lotteries- one in mid-September and one in mid-December

Guided Garden Tours - The Redwood Trail
http://www.sfbotanicalgarden.org/ye/index.html#guidedschoolwalks

Grade Levels:  3rd;4th;5th

Investigate the diversity of plants in the redwood forest. Explore the interrelationships of plants, animals, and their environment. Free docent-guided walks are offered for elementary school students throughout the school year. Dates are assigned through two lotteries- one in mid-September and one in mid-December

Seymour Marine Discovery Center
Santa Cruz
http://www2.ucsc.edu/seymourcenter/

From Stream to Sea - Discovery Lab
http://www2.ucsc.edu/seymourcenter/lp-school.html

Grade Levels:  4th;5th

Work with a watershed model to learn how the health of our coastal watershed affects local beaches where we fish, swim, and play. Learn why salmon are a sentinel of watershed health by studying their life history and food chain. Lab activities are followed by guided tours to the marine mammal overlook.
Local Wildlife Tour
http://www.haywardrec.org/354/School-Programs
**Grade Levels:** 3rd;4th;5th;6th
Tour Sulphur Creek and get close to the California wildlife that roams our creeks, hills and forests. Become familiar with the opossum, coyote, hawk, raven, snake, toad and more! Learn about their adaptations through discussion, observation and interaction. Discover what habitat requirements animals need in order to survive on their own.

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/

Wet and Wild: Exploring Creeks and Ponds Field Trip
http://www.gardenshf.org/youth-programs.html#wetandwild
**Grade Levels:** 2nd;3rd;4th;5th
Dip” into our creek and pond to investigate the hidden lives of some amazing plants and animals. We'll discover how these creatures adapt to underwater life, and learn how we can protect the health of aquatic habitats. (Also available as an in-class presentation)

Tilden Nature Area-Tilden Regional Park
Berkeley
http://www.ebparks.org

Pond Study (March-Oct.)
https://www.ebparks.org/activities/educators/field_trips/trips/default.htm
**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th
Explore the wet and wonderful world of the Nature Area’s ponds: insects, amphibians and more (perhaps even a garter snake!).

Nature Ramble (Year round):
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
An exploration of the Nature Area’s flora and fauna —anything can happen! This walk easily accommodates a topic of your choice. 60-90 minutes
**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/

**Water Ecology: Ponds and Creeks**
http://botanicalgarden.berkeley.edu/education/tours.shtml#children

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

(Grades 2 and up. Offered in Spring, Summer and Fall) Visit the Garden’s creeks and dip nets into the Garden’s ponds. Be amazed by the plants, insects, and microorganisms you’ll discover in these watery environments. Investigate the crucial role of photosynthesis and decomposers as you compare and contrast the Garden’s pond and creek ecosystems.

**WildCare**
San Rafael
http://www.wildcarebayarea.org

**WildCare Center Tours**
https://www.discoverwildcare.org/programs/wildcare-center-tours/

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

Discover a world of wings and paws. Get a nose-to-nose view of native birds and mammals with engaging programs tailored to meet the learning needs of each class. Learn about the place of wildlife in modern society, wildlife ecology and the work of WildCare at our site by Albert Park. Taught by a professional teacher/naturalist. Grades Pre-school - 2nd: Discover our animal neighbors in an active, fun-filled program taught by an experienced naturalist. Grades 3 - 8: Learn about the place of wildlife in modern society, wildlife ecology and the work of WildCare’s animal rehabilitation hospital. 75 minute presentation.

**Ring Mountain, Corte Madera**
https://www.discoverwildcare.org/programs/nature-hikes/

**Grade Levels:** 3rd;4th;5th;6th

Students investigate ecological interdependency—habitats, geology, energy cycles and food webs—as they visit grassland, freshwater marsh, oak woodlands and a Miwok Indian site.

**WildCare’s Courtyard and Museum**
https://www.discoverwildcare.org/programs/visit-our-courtyard/

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

The museum is stocked with books, charts, pictures, and games, as well as taxidermic animals that can be touched. Our courtyard is home to many non-releasable wild animals who serve as our Wildlife Ambassadors. Scoma is a Brown Pelican who suffered a wing injury and who can no longer fly or fish as he should. Sequoia, a Northern Spotted Owl, fell from the nest as a fledgling and also suffered a wing injury.

**Program Type: In-Class Program**

**Aquarium of the Bay**
San Francisco
http://www.aquariumofthebay.org/
BayMobile: It'sough to Be a Pteropod!
https://www.aquariumofthebay.org/teachers/k-12-programs/
Grade Levels: 4th;5th
Students will measure and observe changing chemistry in an ocean-like environment, explore the complex food web, and
discuss potential solutions to slow that change.
Duration: 60 minutes per class - Class size: 15 to 35 students
Number of classes per school visit: 3-4 (please note all classes on a given date must select the same program)

California Dept of Parks and Recreation
Sacramento
http://www.parks.ca.gov/

Virtual Field Trip: Tide Pool Ecology
http://www.ports.parks.ca.gov/?page_id=23863
Grade Levels: 4th;5th
PORTS is a free distance learning program that uses the power of interactive videoconferencing to help K-12 schools teach
common core state standards in the context of California State Parks. PORTS Programs include: Fully developed units of study
to prepare and assess learning, and Live, interactive videoconference presentations on science, history, language arts and
other academic topics.

Over three miles of beachfront borders the western edge of Crystal Cove State Park. On certain areas of the beach where the
ocean meets the rocky shore you can find an amazing ecosystem full of life. This ecosystem is called the intertidal zone, or tide
pools. At low tide this world is exposed for visitors to see.

The tide pool unit of study provides three, one hour, in-class lessons to familiarize your students with key concepts concerning
tide pools. The fourth lesson is a live, interactive videoconference with Park Interpreters at the ocean's edge. The Interpreter
will talk directly to your students about the constant struggle that plants and animals in the tide pool face every day.

Farallones Marine Sanctuary Association
San Francisco
http://www.farallones.org

Seabird Shuttle
https://farallones.noaa.gov/education/webswaves.html
Grade Levels: 3rd;4th;5th
What does it take to be a successful seabird? How do they survive in such a harsh environment? Students will learn about local
seabirds, build a marine food web, learn about adaptations of marine birds and discuss ways that they can have a positive effect
on the ocean and its ecosystems. Group size: minimum 12, maximum 36. Length: one hour.

Kids for the Bay
Berkeley
http://www.kidsforthebay.org

School Wide Watershed Action Program
http://www.kidsforthebay.org/site/programs/school-wide-creek-education-program.shtml
Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
KfB partners with a school for three years to engage the school community in connecting with their local watershed, inspiring the protection and restoration of their watershed, and increasing academic achievement. Students learn about their personal connections with their local creek, San Francisco Bay, and ocean watersheds and the local National Marine Sanctuaries through classroom lessons and field trips. Each class also implements action projects that positively impact the health of their watershed.

Our School-Wide Programs are a partnership between KIDS for the BAY and the entire elementary school, including the principal, teachers, students, and students’ families. These long-term, in-depth programs engage each grade level in environmental science and action while providing professional development in science education for each classroom teacher. KfB also provides curriculum, training, and an equipment resource center for the school to continue the program in future years. The lessons and activities for each grade level are directly tied to many California State Content Standards in science, language arts, social studies, and math. After a three year period of support for the school, the principal, teachers, students, parents and community partners continue the program independently as a completely integrated part of their school curriculum and culture.

**School Wide Creek Education Program**

http://www.kidsforthebay.org/site/programs/school-wide-creek-education-program.shtml

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

KfB works with the school community to adopt, clean up, and restore a local creek habitat. The creek becomes an outdoor classroom for hands-on learning and environmental stewardship. Students learn about their connection to their local creek and discover reasons to care for their creek watershed. School-Wide Programs are a partnership between KIDS for the BAY and the entire elementary school, including the principal, teachers, students, and students’ families. These long-term, in-depth programs engage each grade level in environmental science and action while providing professional development in science education for each classroom teacher. KfB also provides curriculum, training, and an equipment resource center for the school to continue the program in future years. The lessons and activities for each grade level are directly tied to many California State Content Standards in science, language arts, social studies, and math. After a three year period of support for the school, the principal, teachers, students, parents and community partners continue the program independently as a completely integrated part of their school curriculum and culture.

**Madeleine Dunphy**

Oakland

http://www.mdunphy.com

**Here Is the Tropical Rainforest Assembly**

http://www.mdunphy.com/teachers.html

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

Environmental children’s book author, Madeleine Dunphy, will guide your classes through the rainforest. In the presentation, students will view a slide show where they imagine they are walking in a tropical rainforest seeing animals such as the harpy eagle, three-toed sloth, woolly monkey and jaguar. Students will then play a game that teaches them about the ecological relationships between plants, animals, and environments. Next the students will examine a blow gun, hammock, paddle and other artifacts from the rainforest. Finally, students will ask Madeleine questions about her travels, habits of rainforest animals, writing Here Is the Tropical Rain Forest, and other topics. Teachers are recommended to read the book as background and have their students prepare questions before the class visit. Also available as an assembly.

**Here Is the African Savanna Assembly**

http://www.mdunphy.com/teachers.html

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

Environmental children’s book author, Madeleine Dunphy, will guide your classes through the African Savanna. In the presentation, students will view a slide show where they imagine they are traveling in East Africa seeing animals such as the giraffe, baboon, leopard and zebra. Students will then play a game that teaches them about the ecological relationships between plants, animals and environments. Next the students will examine a warrior shield, beaded collar, lunch basket and other artifacts from East Africa. Finally, students will ask Madeleine questions about her travels, habits of African animals, writing Here Is the African Savanna, and other topics. Teachers are recommended to read the book as background and have their students prepare questions before the class visit. Also available as an assembly.

**Marine Science Institute**

Redwood City

http://www.sfbaymsi.org
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
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.

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.

San Francisco Zoo
San Francisco
http://www.sfzoo.org

ZooMobile: Animal Classifications
http://www.sfzoo.org
**Grade Levels:** 2nd;3rd;4th;5th
Students will be introduced to the five classes of animals with a backbone. Similarities and differences in habitats, locomotion, and feeding strategies are discussed.

ZooMobile: The Food Web
http://www.sfzoo.org
**Grade Levels:** 3rd;4th;5th;6th;7th
This lesson explores food chains, the interdependence of plants and animals, predator/prey relationships and the difference between living and non-living things.

ZooMobile: Shifting the Balance
http://www.sfzoo.org
**Grade Levels:** 4th;5th;6th;7th;8th;9th;10th;11th;12th
This lesson explores the effect that altering nature’s delicate balance has on wildlife populations. Issues addressed include the pet trade, misunderstood animals, introduced species, and habitat destruction. Students will learn how they can help save habitats every day.

SaveNature.org
San Francisco
http://www.savenature.org
Insect Discovery Lab
http://www.savenature.org/content/IDL  
**Grade Levels:** K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
Each presentation includes hands-on experience with live animals and observation time with live and preserved materials. Children will learn how to identify insects and their arthropod relatives, touch amazing arthropod ambassadors, see how insects defend themselves, and discovery their incredible diversity. Students explore the fantastic lives of beetles, millipedes, grasshoppers, walking sticks, whip scorpions, and more. The Insect Discovery Lab immerses students in the extraordinarily diverse world of insects and other arthropods and teaches about their key role in the web of life. Scientific observation, insect identification, and the natural history of bugs' lives are just some of the areas of focus of this program. Classes will receive pre and post visit materials including fact sheets, activity sheets, resource sheets and conservation action guides. Programs are 45-50 minutes long.

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/

**Wet and Wild: Exploring Creeks and Ponds In-Class**  
http://www.gardenshf.org/youth-programs.html#wetandwild  
**Grade Levels:** 2nd;3rd;4th;5th  
Dip” into our creek and pond to investigate the hidden lives of some amazing plants and animals. We’ll discover how these creatures adapt to underwater life, and learn how we can protect the health of aquatic habitats. (Also available as a field trip)

Web of Life Field (WOLF) School  
Aptos  
http://www.wolfschool.org/

**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.

Wildcare  
San Rafael  
http://www.wildcarebayarea.org
Nature Van - Mammals
https://www.discoverwildcare.org/programs/nature-van/
Grade Levels: K;1st;2nd;3rd;4th;5th;6th
Nature Van programs bring the field trip to the classroom. Guided by professional science educators, the Nature Van teaches students about animal characteristics, adaptations, and food webs — all without leaving school. Presentations are designed for a single classroom; this is not a multi-class assembly program. Pre-K and Kindergarten programs last 45 minutes. Programs for 1st through 5th grades last sixty minutes, although shorter presentations are available upon request. Delve into the world of marsupials, mustelids, felines, canines, and rodents. Discover what makes a mammal a mammal and why humans are included in this amazing group.

Nature Van - California's Redwood Forests
https://www.discoverwildcare.org/programs/nature-van/
Grade Levels: K;1st;2nd;3rd;4th;5th;6th
Nature Van programs bring the field trip to the classroom. Guided by professional science educators, the Nature Van teaches students about animal characteristics, adaptations, and food webs — all without leaving school. Presentations are designed for a single classroom; this is not a multi-class assembly program. Pre-K and Kindergarten programs last 45 minutes. Programs for 1st through 5th grades last sixty minutes, although shorter presentations are available upon request. Enter the moist, cool interior of a California rainforest to explore the many layers of an old growth forest and experience the interdependencies of salmon, redwood trees, banana slugs, and other forest creatures.

Nature Van - California Wildlife
https://www.discoverwildcare.org/programs/nature-van/
Grade Levels: K;1st;2nd;3rd;4th;5th;6th
In "California Wildlife," uncover the diversity of California's wildlife and the way our native animals have adapted to their habitat as we examine predator-prey relationships, defense strategies and the natural history of mammal, birds, and reptiles that are our wild neighbors. Nature Van programs bring the field trip to the classroom. Guided by professional science educators, the Nature Van teaches students about animal characteristics, adaptations, and food webs — all without leaving school. Presentations are designed for a single classroom; this is not a multi-class assembly program. Pre-K and Kindergarten programs last 45 minutes. Programs for 1st through 5th grades last sixty minutes, although shorter presentations are available upon request.

Program Type: Overnight Program

NatureBridge at Golden Gate
Sausalito
http://www.naturebridge.org/golden-gate

Residential Field Science Program
http://www.naturebridge.org/school-group-field-science-golden-gate
Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
NatureBridge environmental science programs in the Golden Gate National Recreation Area offer students in grades K-12 the opportunity to learn hands-on science in one of the San Francisco Bay Area’s most pristine coastal areas. Our two- to five-day residential outdoor science programs are led by experienced educators and customized to enhance your school’s curriculum. Environmental education in a national park: Located just minutes from San Francisco, students can explore the shores of Rodeo Beach as well as 60 miles of coastal hillsides rich with beaches, cliffs, estuary, chaparral, and woodlands.
Inquiry-based learning: Students collect and identify macroinvertebrates in Rodeo Pond, observe seals from the bluffs, and study the adaptations of tide pool creatures in our state-of-the-art intertidal marine lab.
Inspired to action: Students see up close the impact their actions have on the world around them through composting food waste or volunteering at the plant nursery which inspires students toward lifelong stewardship.

NatureBridge at Yosemite
Yosemite
http://www.naturebridge.org/school-group-field-science-yosemite
Residential Field Science Program
https://naturebridge.org/yosemite/school-group

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

With NatureBridge at Yosemite, students hike through the dramatic landscapes of Yosemite, explore ancient groves of giant sequoias, ski across snowy meadows, and challenge themselves to reach the tops of waterfalls. Through active student engagement, our faculty teaches science, history, and the arts and gives these subjects context through personal experience.

What is taught: California Content Standards: our interdisciplinary programs help teachers meet grade-specific content standards. Choose from our menu of academic emphases to help you meet your goals for the year. Learning Outcomes: students emerge from our programs having grown academically, personally, and socially and with increased responsible environmental behavior.

San Mateo Outdoor Education
Redwood City
http://www.smcoe.org/learning-and-leadership/outdoor-education/

San Mateo Outdoor Ed
http://www.smcoe.org/learning-and-leadership/outdoor-education/

Grade Levels: 5th;6th

Only San Mateo County schools. 5 days and 4 nights; children stay in cabins with high school cabin leaders; exploratory hikes through forests and beach. During a week at Outdoor Education, students learn about the natural world, explore the forest and beach ecosystems, and work together as a community.

Vida Verde
Pescadero
http://www.vveducation.org/

Overnight Field trips to
http://www.vveducation.org/schools/index.htm

Grade Levels: 4th;5th;6th

Vida Verde is a 3-day, 2-night environmental outdoor education camp. Trips are a non-stop, jam-packed flurry of charged activities during which teachers and students experience both educational and personal growth. During our three days together, the home base of the trips is the 100 acre OVY camp on San Gregorio Creek. For maximum exposure we also travel to a nearby organic farm (a 300 acre facility with goats, a teaching kitchen, solar power, chickens, composting, and vegetable production), Sam MacDonald County Park to hike and explore the redwoods and creeks, and Pescadero State Beach & Marsh Natural Preserve to explore those ecosystems, tidepools, and play at the water’s edge! Eligibility: Vida Verde programs are offered to schools for which 85% or more of the students qualify for free/reduced price lunch AND who do not otherwise have an overnight environmental education opportunity in grades 3-6. The programs are offered to 4th, 5th, and 6th graders. One grade per school is served, giving each student passing through your school a chance to come to V.V. Groups are limited to 30 students per trip at Vida Verde.

Web of Life Field (WOLF) School
Aptos
http://www.wolfschool.org/outdoor-science-school

Residential Outdoor Science School
https://www.wolfschool.org/outdoor-science-school

Grade Levels: K;1st;2nd;3rd;4th;5th;6th;7th;8th

The ecological concepts covered-- energy, life cycles, adaptations, communities, diversity, change, and interdependence-- give students a framework for exploring the natural world. Students learn by participating in hands-on field study sessions, keeping journals, attending theme meetings, campfires to share songs, skits and stories, night hikes, and town hall meetings which reinforce the feeling of community. Campuses in Santa Cruz, Sierra Foothill, and Sonoma areas. 2-5 day programs available.
Program Type: Temporary Exhibit

Monterey Bay Aquarium
Monterey
http://www.mbayaq.org

Tentacles: The Astounding Lives of Octopuses, Squid and Cuttlefishes
http://www.montereybayaquarium.org/animals-and-experiences/exhibits/tentacles
Grade Levels:  K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th;PK
What has a mantle, but no lamp? Beak, but no wings? Suckers, but no candy? Cephalopods! They're back and more captivating than ever in our newly re-opened Tentacles exhibit — come visit and they'll camouflage, crawl and jet-propel their way into your heart and mind.