



CRS

COMMUNITY RESOURCES FOR SCIENCE

practical support for great science teaching

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Education Programs

3rd Grade Earth Science

Program Type: Field Trip

Big Break Regional Shoreline
Oakley

http://www.ebparks.org/parks/big_break

U-Pick Nature Program

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

Grade Levels: K;1st;2nd;3rd;5th;6th;PK;TK

Let us work with you to customize a program to fit your needs. Examples: animal clues and homes; birds; plants; plankton; owl pellet dissections; nature art and crafts; local history; and more.

Chabot Space and Science Center
Oakland

<http://www.chabotspace.org>

Wacky Weather

<http://www.chabotspace.org/forms/school-field-trips.htm>

Grade Levels: K;1st;2nd;3rd

The water cycle, seasons, and tools we use to learn about different weather conditions will provide experiences that will allow them to begin understanding this fascinating and ever changing topic. Students will have opportunities to make weather tools, sing a song about the weather cycle, and be introduced to the reasons for the seasons as they observe and participate in a variety of activities. Since the weather is seasonal, the class will evolve to focus on the season in progress to allow students to connect the selected activities to the current weather conditions

Exploratorium
San Francisco

<http://www.exploratorium.edu>

Outdoor Gallery: Open your senses to this place by the Bay.

<https://www.exploratorium.edu/visit/galleries>

Grade Levels: K;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.

Fisher Bay Observatory Gallery 6: Observing Landscapes

<https://www.exploratorium.edu/visit/galleries>

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

Explore the local environment. Natural and human forces interact to create the dynamic landscape surrounding us. Learn to uncover the stories embedded in a place by directly observing the geography, history, and ecology of the San Francisco Bay region.

Hiller Aviation Museum
San Carlos
<http://www.hiller.org>

Night Flight - Field Trip

<https://www.hiller.org/learn-and-discover/school-field-trips/>

Grade Levels: 3rd;4th;5th;6th;7th;8th

Take flight under the stars in a spectacular hands-on exploration of the sky! Identify stars, planets, constellations and directions under the arch of the Starlab dome. Take the controls of a small airplane in the flight simulators to master basic aircraft control, then take on the challenge of navigating to a successful landing under simulated nighttime conditions.

Star Watchers - Field Trip

<https://www.hiller.org/learn-and-discover/school-field-trips/>

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

Take an adventure into the night-time sky! Students enter a giant inflatable Starlab dome to explore by day the stars, planets and constellations that will be visible in the sky that night and discover the means by which early navigators found directions and plotted their courses by the stars.

Storm Chasers

<https://www.hiller.org/learn-and-discover/school-field-trips/>

Grade Levels: 3rd;4th;5th;6th;7th;8th

Explore how weather affects flight in a challenging foul-weather flight simulation. Discover thunderstorms and other weather hazards and how they affect aircraft, and then enter the Flight Sim Zone to embark on a realistic mission into inclement conditions. It's a thrilling adventure to the edge of aviation!

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.

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 Tech Interactive
San Jose

<http://www.thetech.org>

IMAX film - Forces of Nature

<http://www.thetech.org>

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

There are nearly 500,000 earthquakes, over 1,000 tornadoes, and about 50 volcanoes erupting around the world each year. The science stories in Forces of Nature are augmented with computer graphics sequences designed to illustrate the inner workings of these forces.

Forces of Nature lets you experience what it's like when the ground shakes, mountains explode and the sky turns black and violent. Follow scientists on their groundbreaking quests to understand how these natural disasters are triggered. Learn what is being done to predict and prepare for these events — and minimize their destructive forces.

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.

USS Hornet

Alameda

http://www.uss-hornet.org/youth_programs/

Stem to Stern Jr.

<http://www.uss-hornet.org/groups/schools/>

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

The Stem to Stern Jr. Program is designed to explore the relationship between the ship's operation and Earth science. Our labs are based on California 4th and 5th grade standards and explore the wonders of electricity, magnetism, weather and aviation. By exploring the operational functions of a WWII aircraft carrier the realms of electricity and weather comes alive! Before you tour the ship, your class can participate in a learning experience which merges history and Earth sciences together in a way which only Hornet can. We provide you with advance lesson plans in your classroom prior to your day on board. You and your students come aboard in the morning, participate in a 60 min. lab, break for lunch, and then have the option to resume your adventure with a docent lead tour.

Program Type: In-Class Program

American Red Cross

San Francisco

<http://www.bayarea-redcross.org>

Masters of Disaster

<http://redcrossyouth.org/2007/12/10/masters-of-disaster/>

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

The award-winning Masters of Disaster disaster preparedness curriculum teaches children how to prevent, prepare for and respond to disasters and other emergencies. The Masters of Disaster Educator's Kit contains lessons, activities and demonstrations on disaster-related topics that youth-serving organizations can incorporate into daily or thematic programming. The Masters of Disaster curriculum materials meet national educational standards and are specifically tailored for lower elementary (K–2), upper elementary (3–5) and middle school (6–8) classes. A Red Cross instructor can bring this training to your school, or you can download materials online for use in the classroom.

Chabot Space and Science Center

Oakland

<http://www.chabotspace.org>

Wacky Weather

<http://www.chabotspace.org/forms/chabot-to-go.htm>

Grade Levels: K;1st;2nd;3rd

Cloudy with a chance of snow at Chabot? Learn about the three elements that make up our ever changing weather and the tools meteorologist use to record weather. Students engage in hands-on activities at a variety of stations to reinforce their understanding of this fascinating and ever changing topic.

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

KftB 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. KftB 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.

Sunol-Ohlone Regional Wilderness

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