



School Field Trip Guide



sbnature.org/schoolprograms

805-962-2526 ext. 108 or seacenterbookings@sbnature2.org
Sea Center

805-682-4711 ext. 108 or bookings@sbnature2.org
Santa Barbara Museum of Natural History

Registration:

The Santa Barbara Museum of Natural History and Sea Center Campuses offer school programs for grades K-8. Programs are aligned to the Next Generation Science Standards and will ignite students' curiosities about the wonders of nature and science.

Sea Center: Tuesday-Friday, 10:00 AM-Noon
and Astronomo-Mondays

Museum: Tuesday-Friday, 10:00 AM-Noon

School Field Trip Guide

2559 Puesta del Sol
Santa Barbara, CA 93105



Museum School Programs



GRADE LEVEL K

Connect to Outdoor Nature Exploration

Students get comfortable and connected with nature in the Museum's beautiful oak woodland by playing, exploring, and making both mud pies and new discoveries!

Habitat Museum Tour

Students investigate Santa Barbara ecosystems, animals, plants and their environment on this 'touch and explore' tour.

GRADE LEVEL 1

Meet the Teeth Lab

What do teeth tell us about what an animal can eat? In this lab, students get hands-on with animal skulls and develop the skills to distinguish herbivores, omnivores and carnivores.

Natural Wonders Outdoor Nature Exploration

Students explore the wonder of nature by becoming junior naturalists and participating in hands-on learning that includes an invertebrate search and animal interactions.

Be an Astronomer Planetarium Show

Students study how the Earth and Moon move and why we have day and night. Program may begin in the Observatory and may include seeing the planets during the daytime!

Inheritance and Variation of Traits Tour

Students examine what animal features are inherited and what causes variation in different species.

GRADE LEVEL 2

Digging In Lab

Students become a Paleontologist for the day! What do local fossils tell us about the past? Junior Paleontologists learn about the biological evolution of the Pygmy Mammoth. Students will also engage in a excavation activity.



Nature Up-Close: Outdoor Nature Exploration

Students get up close with nature by discovering invertebrates, looking for signs of life, touching live animals and more!

Space Rocks!

Students visit the Observatory where meteorites and asteroids are discussed and identified. The program is complemented with a live, Planetarium presentation where students can view and discuss asteroids, meteors and comets.

Interdependent Relationships Tour

Students learn how some animals can work together in nature to help their survival. Students evaluate which species are interdependent, and why creatures adapt and evolve.

GRADE LEVEL 3



Chumash Lab

Students will get to explore the Museum's Chumash Sukinani'oy Garden, handle artifacts and become immersed in Chumash life.

Jr. Naturalist Outdoor Nature Exploration

Students learn to look for and identify local plants and animals in the oak woodland ecosystem. Students uncover decomposers, identify producers and handle consumers all found on Museum grounds.

What's Up? Planetarium Show

'What's Up' with the Moon and Sun? Which way is North? What is a constellation? In this program students become an astronaut for the day and explore the mysteries of space.

Life Cycle Tour

Students see the variation of traits found in mammals, birds and marine life. Why is biological diversity important? From monarch butterflies to our national bird, students discover the life cycle of our local creatures.

GRADE LEVEL 4



Ecosystems Outdoor Nature Exploration

Students explore the oak woodland and/or riparian ecosystems. Students identify decomposers, producers, discovering how energy is transferred through the food web.

Human Activity on Earth Tour

Students learn about human impact on the ecosystem by thinking like scientists and analyzing specimens found throughout the Museum halls.

Out in Space

Students begin program at the Observatory where they may observe the Sun and discuss the challenges of space travel. Back in the Planetarium, students will watch the full-dome movie "Astronaut."

GRADE LEVEL 5

Watershed Ecology: Outdoor Nature Exploration

Students explore the Mission Creek watershed by becoming a field naturalist that catches and identifies aquatic invertebrates. Includes testing the water quality of Mission Creek and determining indicators and impacts of drought.

Our Place in Space Planetarium Show

Students will take a virtual trip around the Solar System and get a front seat view of all the planets. Students will also observe the variety of the moons and explore what makes each planet so unique.

Matter and Energy in Organisms Tour

Where do all living organisms get their energy from? Students handle and examine everything from insects to mammals in this interactive Museum tour.

GRADE LEVEL 6

Geology Walk Outdoor Nature Exploration

Students discover Santa Barbara's amazing topography on a guided exploration with a Naturalist. Program discusses the Paleo-channel, fault lines, uplift, erosion, sedimentation and the signs of a large scale geological event.

Far Out Astronomy Planetarium Show

Students act as scientists & astrophysicists, seeing, observing and analyzing data to decipher what we find in the vastness of space exploration and what that means for us here on Earth.

Natural Selection and Adaptation Tour

As scientist for the day, students will immerse themselves in the discovery of the growth and development of organisms on this advanced, interactive tour.



GRADES 5/6

Astrono-Mondays

Students will build a scaled model of the Solar System and then take a virtual trip through our solar system in the Gladwin Planetarium. (Full 2 hour program) 9:30-11:30 AM

Sea Center School Programs



Grade level programs at the Sea Center include a one hour interactive Sea Center tour followed by a one hour Outdoor Nature Exploration facilitated by a Sea Center instructor.

GRADE LEVEL 1

What Lives at the Beach?

Students become scientists exploring Santa Barbara East Beach, collecting, sorting and making up-close investigations.

GRADE LEVEL 2

Investigating the Sandy Beach

Students investigate the beach by collecting, sorting and analyzing their findings while discovering the origin of the sand.

GRADE LEVEL 3

Coastal Bird Adaptations

Students get up close and personal with our coastal birds by observing live birds and their special adaptations.

GRADE LEVEL 4

Shifting Sands

Students explore the origin of the sand by building a model of the beach, testing the effects of waves on the sand, and collecting natural materials that are subject to erosion.

GRADE LEVEL 5

Walking the Watershed

Students discover what a watershed is and the impacts that drought conditions and humans have on it. Students will investigate the quality of the local water from Mission Creek using field tools.

GRADE LEVEL 6

Beach Profiling

Students walk in the shoes of a coastal geologist by creating a model of their beach, testing the effects of waves on the sand, and completing a scientific experiment.

MIDDLE SCHOOL AND HIGH SCHOOL PROGRAM

Marine Debris

Students learn about the impact of marine debris on ecosystems and marine life while participating in an onsite beach cleanup. Students will compare their marine debris collection to international coastal cleanup data.

