SCHOOL FIELD TRIP GUIDE

SANTA BARBARA MUSEUM of NATURAL HISTORY

SANTA BARBARA MUSEUM of NATURAL HISTORY SEA CENTER

SANTA BARBARA MUSEUM of NATURAL HISTORY
2559 Puesta del Sol
Santa Barbara, CA 93105

SCHOOL FIELD TRIP GUIDE

Museum: Tuesday–Friday, 10:00 AM–Noon
and Astrono–Mondays
Sea Center: Monday–Friday, 10:00 AM–Noon

The Santa Barbara Museum of Natural History and Sea Center Campuses offer school programs for grades K–6! Programs are aligned to the Next Generation Science Standards and will ignite students' curiosities about the wonders of nature and science.

REGISTRATION:

Santa Barbara Museum of Natural History
805-682-4711 ext. 108 or bookings@sbnature2.org
2559 Puesta del Sol, Santa Barbara, CA 93105

Sea Center
805-962-2526 ext. 108 or seacenterbookings@sbnature2.org
211 Stearns Wharf, Santa Barbara, CA 93101

sbnature.org

MUSEUM SCHOOL PROGRAMS

GRADE LEVEL K

Be a Scientist Lab

Students explore how scientists make sense of our diverse natural world by handling, observing and grouping natural objects according to their similarities.

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. Includes 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!

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 Sukinanik'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 be 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

Whale of a Tale Lab
How is a human skeleton similar to a Blue Whale skeleton? Students observe our similarities in both structure and function, and discover what is living right in the Santa Barbara Channel by experiencing a variety of whale exploration stations.

Ecosystems Outdoor Nature Exploration
Students explore two ecosystems. Including the riparian creek and the Oak woodland. Students learn to 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.

GRADE LEVEL 5

Molecules to Organisms Lab
As a scientist, students will examine record and evaluate the data they observe using microscopes; discovering how scientists determine the purpose of structure.

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.

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. 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 up Mission Creek with a Geologist.
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 AM–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 explore Santa Barbara East Beach to collect, sort and make 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 how humans impact it. Investigate the quality of our water from our Mountains to the Sea.

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.