



SCHOOL FIELD TRIP GUIDE

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The Santa Barbara Museum of Natural History and Sea Center offers experiential, Next Generation Science Standards aligned school programs for elementary and middle school classes.



2559 Puesta del Sol
Santa Barbara, CA 93105

Visit sbnature.org/schoolprograms



**SANTA BARBARA MUSEUM
OF NATURAL HISTORY**
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bookings@sbnature2.org



SEA CENTER
211 Stearns Wharf
Santa Barbara, CA 93101
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SEA CENTER SCHOOL PROGRAMS

Grade Level K–1

Outdoor Beach Explorations

Students become scientists exploring Santa Barbara West Beach, using their senses while collecting, sorting, and conducting 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 erosion and deposition 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 their local watershed and consider the impacts of human activity and drought. 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.

MUSEUM SCHOOL PROGRAMS

Grade Level K

Connect to the Outdoors: Outdoor Nature Exploration

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

Habitats Museum Tour

Students explore Museum galleries and investigate Santa Barbara habitats, animals, plants, and their environment.

Grade Level 1

Meet the Teeth Class

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

Natural Wonder: 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

Students learn about the Earth and Moon's movement patterns and why we have day and night. Program may begin in the observatory.

Traits Museum Tour

Students explore Museum galleries and learn about the inheritance and variation of different traits for animals, plants, and birds.

Grade Level 2

Geology Rocks! Class

Students explore magnificent Earth processes, discover different properties of rocks and minerals, and learn about fossils.

Nature Up-Close: Outdoor Nature Exploration

Students get up close with nature by exploring the oak woodland and searching for natural objects while categorizing their discoveries just like a scientist.

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 Museum Tour

Students explore Museum galleries and discover how various species depend on each other.

Grade Level 3

Chumash Class

Students will explore the Museum's Chumash Sukinani'oy Garden, handle artifacts, and learn about Chumash life over time.

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?

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

Life Cycle Museum Tour

Students explore Museum galleries while discovering the life cycles of various species and learning about biological diversity.

Grade Level 4

Fossil Finders Class

Students become a paleontologist for the day, while learning how fossils are formed, discussing evolution of the Pygmy Mammoth, and participating in a hands-on paleontologist activity.

Ecosystems: Outdoor Nature Exploration

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

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."

Human Impacts Museum Tour

Students explore Museum galleries while exploring the positive and negative impacts of human activity.

Grade Level 5

Watershed Ecology: Outdoor Nature Exploration

Students explore the Mission Creek watershed by becoming a field naturalist to identify aquatic invertebrates and testing the water quality of Mission Creek.

Our Place in Space

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 Museum Tour

Students explore Museum galleries while considering how living organisms acquire the energy needed to survive.

Grade Level 6

Far Out Astronomy Planetarium Show

Students act as scientists and 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 Adaptations Museum Tour

Students explore Museum galleries while thinking like a scientist and making hypotheses about the growth and development of various organisms.

Grade Levels 5 & 6

Astrono-Mondays

Students build a scaled model of the solar system and then take a virtual trip through our solar system in the Gladwin Planetarium (9:30 AM–Noon).

