



PRIVATE FIELD TRIPS

For your Family, Homeschool, or Pod

The Academy for Environmental Stewardship goes “private” to even smaller group learning! Join us

in person for a 2-hour interactive field trip. The field trip is composed of four 30-minute lessons per Academy program in the designated grade level (available for 2nd-4th grade). The lessons will feature one of our Stewardship Teachers educating your small group pod, homeschool, or family. The field trip is limited to 24 students (2 groups of 12 students each).

COST: 5-9 students - \$20 per student
10-15 students - \$15 per student
16-24 students - \$10 per student

2ND GRADE

PROGRAM 1: UNDERSTANDING THE EARTH'S SYSTEMS

Different Strokes for Different Folks: Students will put a map of

California together and define each of the habits comparing the diversity of life.

Incredible Water Journey: This lesson is about the path water can take to circulate from one point or state to another. Students “become” water molecules as they journey through the water cycle.

Seed Design: Students go on a short hike to observe different types of seeds and learn how seeds are dispersed. Then, they design and create their own seed dispersal method.

Water, Water Everywhere: This rotation is about erosion and the speed that erosion occurs. Students will use a stream table to demonstrate the speeds of water erosion and the damage it can have.



3RD GRADE

LIVE THE PAST

***Branding at the Rancho & Vaqueros Tooling:** Students brand their own piece of leather and tool a leather strip as they learn about the importance of cattle and how they were marked.

(*traditional branding is group size dependent)

Purpose of Plants: Utilizing the Discovery Center Trail, students will become medicine men and women curing ailments after learning about the various medicinal plants used in the everyday lives of the Luiseño people.

Rock Art: Students learn that Luiseño people used symbols as written communication before an alphabet or number system. Students create a story using symbols and make their own art.

Weaving: Students shown the many useful items made with basket weaving by the Luiseño people. Students make a cordage weave with raffia.

EXPERIENCE TODAY

Animal Interactions: Using our Discovery Center reptiles, amphibians and touch tank inhabitants, students learn about their evolutionary history, life cycles, inheritance and variation of traits, and adaptations that allow them to survive.

Bird Beak Design: Highlights the different types of bird beak shapes within species and how that information helps understand the food best fit for each bird. Students design a bird beak based on a given changed habitat due to human activity and how that will help the species survive in a new environment.

Plant Hike with Field Journaling: Students learn how native plants and animals interact and adapt within a dry, drought tolerant ecosystem on our Discovery Center Trail. Students have the opportunity to sharpen their observational skills by recording questions and connections in their field journal.

The Times, They are a-Changin': Teaches students how environments in California have changed over the millennia and how those changes affected the plants and animals living there.



4TH GRADE

COLONIZATION

All Aboard: Students are assigned positions as different members of a crew upon a vessel headed to California. They learn about their prospective duties and responsibilities as well as how to tie

knots and fire a cannon.

Gold Rush Game: An interactive game played on our Discovery Center Trail where students learn about the adversities of travel in the 1800's by choosing a way of passage to California.

Habitat Happenings: Students discover the various habitats of California and their inhabitants using a large jigsaw puzzle in the shape of California. Each student assumes the role of a species and learns how the various habitats effect the inhabitants including settlers.



Map Making: Using our Discovery Center Trail and outdoor areas, students make their own map of the area by identifying landmarks such as the lagoon, hills, trees and the building site. They gain firsthand practice into a settler's experience of mapping the unknown and learn skills such as topography.

ADAPTATIONS

A Balancing Act: A collaborative game of “tag” where students play different roles in the chaparral habitat demonstrates the carrying capacity and challenges faced within this ecosystem.

Decomposer Scavenger Hunt: Through a series of clues, students learn about the importance and role of decomposers in the ecosystem.

Five Senses: Using different apparatuses that mimic a specific sense, students compare and contrast the different features used between humans, animals and plants. They understand which senses are used for various species and how these structures contribute to their survival.

Leaves, Roots, Stems & Chutes: Using microscopes, students become plant biologists and take a closer look at pollen, plant leaves, stems and roots of plants from our Discovery Center Native Garden.



KINDERGARTEN AND FIRST GRADE FIELD TRIPS

Join us in-person for a 90-minute interactive field trip. The field trip is composed of two 45-minute lessons and is limited to 24 students (2 groups of 12 students each).

COST: 5-9 students - \$11 per student
10-24 students - \$6 per student

STUDENT LESSONS

Animal Interactions: Using our Discovery Center Animal Ambassadors, students interact with the animals learning about their fun facts, habitat, and diet.

Nature Hike: This hike takes students down our ¼ mile Discovery Center Trail where they learn about the native flora and fauna of the lagoon.

Who Polluted the Lagoon: Shows students how quickly the lagoon becomes polluted by human impact and how we can prevent pollution.

Pollinator Perspective: Learn about the different types of pollinators around the Agua Hedionda Lagoon, and their importance in the ecosystem.



VIRTUAL FIELD TRIPS For your Classroom

The Academy for Environmental Stewardship goes virtual! Join us via virtual media for 90-minute lessons. The field trip is composed of three 30-minute lessons per Academy program. For grade levels other than 3rd Grade, please email Cierra Russo, Director of Education, for customized virtual programming.

- The lessons feature one of our Stewardship Teachers educating your entire class; up to 25 kids per virtual education at a time.
- The 90-minute program can be taught over the course of 2 or 3 days (60 minutes one day, and 30 minutes the other day or 30 minutes per day).
- **The cost is \$4 per student.**



PROGRAM 1: LIVE THE PAST

Purpose of Plants: Students learn the many types of native plants present at the AH Lagoon, and how they were used

in the everyday lives of the Luiseño people. Students will become medicine men and women curing ailments with native plants.

Rock Art: Students learn that Luiseño people used symbols as written communication before an alphabet or number system. Students create a story using symbols and make their own art.

***Weaving:** Shows students the many useful items Luiseño women made with basket weaving techniques. Students make a cordage weave with raffia. (*Students will need to pick up materials. This could be arranged at the school site or the AHLF Discovery Center. If not possible, the start of a weaved bowl can be made with supplies students would need at home include yarn or string, scissors, and paper plate).

PROGRAM 2: EXPERIENCE TODAY

Animal Interactions: Using our Discovery Center reptiles, amphibians and touch tank inhabitants, students learn about their evolutionary history, life cycles, inheritance and variation of traits, and adaptations that allow them to survive.



Bird Beak Design: Highlights the different types of bird beak shapes within species and how that information helps understand the food best fit for each bird. Students design a bird beak based on a given changed habitat due to human activity and how that will help the species survive in a new environment.

The Times, They are a-Changin': Teaches students how environments in California have changed over the millennia and how those changes affected the plants and animals living there.



Academy of Environmental Stewardship 2020

Virtual and In-Person Offerings



Reservations & Information

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