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EXPERIENTIAL LEARNING

from Ocean Discovery Institute, Birch Aquarium at Scripps, and the San Diego Zoo

Through the generosity of *Price Philanthropies*, Ocean Discovery Institute, Birch Aquarium at Scripps, and the San Diego Zoo are teaming up to provide your students with high-quality, NGSS-aligned experiential learning at your school and on field trips to our institutions! Our goal is for our programs to reinforce your students' experiences and complement the content to form a learning progression from Kindergarten through 6th grade and beyond.

KINDERGARTEN

Tide Pool Treasures from Birch Aquarium

Students explore the world of tide pools and learn how tide pool creatures find food, protect themselves, and move in this dynamic habitat.

Disciplinary Core Ideas: LS1.C, ESS3.A

GRADE 1

Colossal Kelp from Birch Aquarium*

Dive into the wonderful world of kelp as students learn about the kelp bed habitat and meet the amazing critters that call this underwater forest habitat home.

Disciplinary Core Ideas: LS1.C, ESS3.A

GRADE 2

Sandy Shores from Birch Aquarium

How does water affect the sandy shore habitat? Students explore what sand is made of, how it is created, and the animals that live in the sand.

Disciplinary Core Ideas: LS4.D, ESS2.A

GRADE 3

Fish Diversity from Birch Aquarium**

Through hands-on exploration of biofacts and specimens, students will develop an understanding of the roles that adaptations in body shape, coloration, and teeth play in enabling fish to survive in diverse habitats.

Disciplinary Core Ideas: LS4.C

GRADE 4

Watershed Heroes from San Diego Zoo

In this 3-part program focused on water conservation, schools receive an engaging, all-school (K-5) watershed assembly, an interactive fourth grade classroom program, and a field trip to the Zoo for fourth grade students. Students conduct fun, hands-on experiential learning activities about global watersheds and learn the role they play in the health of their own local watersheds.

Disciplinary Core Ideas: LS1.A, LS1.D

GRADE 5

Creatures of the Kelp from Birch Aquarium*

Discover an underwater forest and its importance to marine organisms. How can changes in the environment affect this ecosystem?

Disciplinary Core Ideas: LS1.C

GRADE 6

Beach Science from Birch Aquarium

This 3-part program engages students in critical thinking while increasing their understanding of the nature of scientific investigation and the role of the ocean in Earth's systems, all through the lens of the phenomenon of El Niño. Students partake in hands-on activities in their classrooms twice before a full-day field trip to Scripps' private research pier and Birch Aquarium.

Disciplinary Core Ideas: ESS2.C, ESS2.D

Dates to be determined with 6th grade teachers at Clark and Wilson Middle Schools



BOOKING DETAILS

Birch Aquarium Outreach programs are available October through June. Must book a minimum of 2 program sessions per day, with up to 4 sessions a day. A request form will be emailed to the Hoover Cluster Elementary schools soon.

San Diego Zoo's Watershed Heroes program is available September through May. 2019 calendar opens in late August. For reservations, please visit bookey.com/sdzed-watershed

FOR MORE INFO PLEASE CONTACT:

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*Can be taught on same day.

**Can be taught with K-2 and 5 programs on same day.

