K-16 Marine Science Programs

VIRTUAL FARALLONES

OCEAN SCIENCE PROGRAMS

Register now for Fall 2021

SCIENCE OF CRABS
(KINDERGARTEN - 3RD)

Plankton
(Microscopic Miracles)
(3RD-5TH)

Salmon in the Sanctuary
(6TH-8TH)

Fisherman in the Classroom
(7TH-12TH)

Virtual Exploration of Rocky Intertidal and Sandy Beach Ecosystems
(6TH-12TH)

Fisherman in the Classroom Program brings local commercial fishermen into classrooms to teach students about the rich diversity of species and ecological interactions of the California coast. This 50-minute virtual program includes video of fishing techniques and interactions from salmon fishing gear, Humboldt squid specimens, and live Dungeness crabs. The program covers subjects as diverse as fishing history, current commercial stocks, social sciences, and oceanography. Besides a human face on important issues such as sustainable fisheries, there is data on marine protected areas, and marine sanctuaries. Students learn how humans impact the ocean from a boat captain’s perspective. NGSS: MS-LS2-6, MS-LS2-4, MS-LS2-5, MS-LS2-8. For more information or to schedule a program, contact pwinch@farallones.org.

Plankton are the weird and wonderful drifters of the sea. Learn how plankton photosynthesis produce half of the world’s oxygen and how zooplankton fuel the bottom of the ocean food web by supporting fish, seabirds, and even whales! Our 60-minute virtual plankton lab introduces this subject with fascinating videos and an exploration of plankton streaming from two microscopes. The program also features an interactive dance of the biome by life cycle and ocean acidification demonstrations led by science educators. NGSS by grade: 3-LS1-1, 4-LS1-1, 5-PS3-1. For more information or to schedule a program, contact pwinch@farallones.org.

The salmon species that live in the rivers and coastal waters along the west coast of California are facing threats from natural adaptation, and adventurous changes. Sanctuary educators will bring salmon and local rockweed to life with dynamic images, video clips, and activities that explore biodiversity, life cycles, salmon fishing gear, and local fishing techniques. The heart of the 60-minute program will be the teaching of a hatchery salmon exploring the internal and external anatomy of this incredible fish. NGSS: K-5-LS2-1, 4-LS2-1, 5-LS2-4, 5-LS2-5. For more information or to schedule a program, contact pwinch@farallones.org.

Salmon in the Sanctuary program brings salmon videos and an exploration of plankton streaming from two microscopes. Students will learn how humans impact the ocean from a boat captain’s perspective. NGSS: MS-LS2-6, MS-LS2-4, MS-LS2-5, MS-LS2-8. For more information or to schedule a program, contact pwinch@farallones.org.

How to Schedule Your Program

1. Choose one or more marine science programs. The fee is $75 per program (LIMEPETS program fees vary). Fees are not due for Fall 2021.

2. Visit https://farallones.org/schoolprograms/ for self-service registration or email the program coordinator listed below each program description for help scheduling.

MOL E CUL R SY MP O SI S S

Ocean Acidification: A Sea of Change (7TH-12TH)

Students will work in groups to evaluate biodiversity found in deep ocean habitats of the Farallones National Marine Sanctuary. Through demonstrations and experiments, this program will introduce students to the process of evaluating and comparing biodiversity found in marine ecosystems. Students will learn how increasing acidity affects coastal food webs and larval stages of organisms. Students will use materials provided by the program to evaluate the biodiversity found in the Farallones and include an interactive shark diversity identification quiz and presentations of shark artifacts and shark anatomy. Book your program today and learn all about the sharks that live in your local sanctuary. NGSS: Earth & Space 4-ESS3-1, 4-ESS3-2, MS-LS1-4, MS-LS1-8. For more information or to schedule a program, contact pwinch@farallones.org.

Transport your students into the underwater world of sharks and rays, led by shark experts and novices alike! Students will learn how shark adaptations, shark diversity, and shark conservation during this 60-minute virtual program. As a local expert leads the program, marine science educators highlight the famous great white sharks of the Farallones and include an interactive shark diversity identification quiz and presentations of shark artifacts and shark anatomy. Book your program today and learn all about the sharks that live in your local sanctuary. NGSS: Earth & Space 4-ESS3-1, 4-ESS3-2, MS-LS1-4, MS-LS1-8. For more information or to schedule a program, contact pwinch@farallones.org.

Farallones National Marine Sanctuary. NGSS by grade: K-LS1-1, 4-LS1-1, 5-LS2-1. For more information or to schedule a program, contact pwinch@farallones.org.

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Students will observe live remotely operated vehicles (ROVs) as they transport you to the Farallones and include an interactive shark diversity identification quiz and presentations of shark artifacts and shark anatomy. Book your program today and learn all about the sharks that live in your local sanctuary. NGSS: Earth & Space 4-ESS3-1, 4-ESS3-2, MS-LS1-4, MS-LS1-8. For more information or to schedule a program, contact pwinch@farallones.org.

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