



Deep-Sea Coral Communities Education Web Links

Explore Sanctuaries Live

<https://sanctuaries.noaa.gov/live>

Explore national marine sanctuaries live with real-time video and communication feeds from underwater. The sites of your National Marine Sanctuary System are hubs for science, exploration, and education. At any given time, researchers are in sanctuaries exploring the deep, monitoring kelp forests, tracking coral reef health, and more. Sanctuaries Live gives you a front row seat to sanctuary science. Watch expedition livestreams, chat with scientists, master educational resources, and more. As we learn more about the mysteries of the ocean, we can better protect our blue planet.

Ocean Exploration Trust - Exploration Vessel *Nautilus* Expedition Details

<https://sanctuaries.noaa.gov/live/2020/oet.html>

NOAA's Office of National Marine Sanctuaries is teaming up with Ocean Exploration Trust to explore the marine ecosystems of the West Coast Region. Working aboard the Exploration Vessel (E/V) *Nautilus*, scientists will map and explore sanctuary sites along the Washington and California coasts. Researchers will conduct mapping operations and use remotely operated vehicles (ROVs) to investigate Olympic Coast, Cordell Bank, Greater Farallones, Monterey Bay and Channel Islands national marine sanctuaries.

Nautilus Live

<https://nautiluslive.org>

Ocean Exploration Trust and the *Nautilus* Exploration Program aim to explore the ocean, seeking out new discoveries in the fields of geology, biology, maritime history, archaeology, and chemistry while pushing the boundaries of education, outreach, and technological innovation. You can watch the livestream from <https://nautiluslive.org>.

Deep-Sea Coral Communities Curriculum

<https://sanctuaries.noaa.gov/education/teachers/deep-coral-communities>

Deep-sea coral communities, like the ones found in the national marine sanctuaries of the West Coast, are home to many diverse species. This curriculum takes students into the deep sea to identify the soft corals, hard corals, invertebrates and fish found in these communities and to investigate the unique biology of deep-sea corals. Learn the threats these animals face and what we can do help protect them.

West Coast Deep-Sea Coral Story Map

<https://sanctuaries.noaa.gov/about/deep-sea-habitats-in-nms-of-the-west-coast.html>

Deep-sea habitats in the national marine sanctuaries off the West Coast are home to vibrant deep-sea coral and sponge communities. These deep-sea invertebrates provide refuge and food for many other species of invertebrates and fishes. Visit this Story Map to learn more about the locations and unique ecology of deep-sea corals. Explore techniques scientists at national marine sanctuaries use to study deep water habitats, and the threats these fragile animals face. Learn ways you can protect these extraordinary deep-sea communities.

Deep-Sea Coral Story Map

<https://www.fisheries.noaa.gov/story-map/learn-about-deep-sea-corals-through-story-maps>

Most people are surprised to learn that deep-sea corals exist at all, let alone that they live in waters of every region of the United States. Deep-sea corals appear in all kinds of shapes, sizes, colors, and depth ranges. NOAA puts a variety of story maps that you can visit to explore deep-sea coral ecosystems.

Exploring “The Football”

<https://farallones.noaa.gov/science/football.html>

Explore a newly documented area off the Sonoma coast known as “The Football” and learn more about this rocky seafloor terrain and the corals, sponges, and fish that live there.

Inspiring the Next Generation of STEM Explorers

<https://nautiluslive.org/education>

A central pillar of Ocean Exploration Trust’s mission is inspiring and motivating the next generation of explorers and STEM professionals. We host a suite of free educational programs and resources to introduce teachers, students, science centers, and local communities to the excitement of discovery and the role models who push back the boundaries of the unknown and inspire explorers around the world.

Virtual Live Event Series - Live and asynchronous programs introduce learners to professional explorers from the Corps of Exploration and bring the latest discoveries from expeditions straight to their screen
<https://nautiluslive.org/education/events>

STEM Career Videos & Bio Profiles - <https://nautiluslive.org/team>

OET’s 100+ STEAM education resources for learners in classrooms or at home include national-standard aligned activities, engineering design challenges, and creative projects for every age and stage
<https://nautiluslive.org/education>

Santa Barbara Museum of Natural History’s Quasars to Seastars Program

<https://www.sbnature.org>

<https://www.sbnature.org/education/teens/quasars-to-sea-stars/>

Quasars to Sea Stars is a three-year work-study-volunteer program for high school teens in the Santa Barbara area. Participants take Museum classes and learn from professional scientists; volunteer in the community, and at the Museum & Sea Center events.

Seasketch: Exploring Deep-Sea Coral and Sponge Communities

<https://www.seasketch.org/#projecthomepage/5c78617b0280245229b37a58/about>

Coming soon --> This site is in development. Please check back at a later date to see educational resources.

<https://sanctuaries.noaa.gov>