WHAT’S THE OCEAN COMMOTION?

Current underwater technology allows us to explore the ocean beyond our wildest imaginations. Advanced devices such as submersibles, robotics, and sensors enable scientists to descend to depths unattainable for divers, quickly transmit data, and collect samples of unexplored ecosystems. Learn more about the explorers and equipment that make today’s investigations possible.

MAIN STAGE PROGRAM

Blacklight Puppet Performance
11 am and 4 pm
Professor Nautilus, inventor and marine biologist, has designed an ingenious contraption that allows her to explore the ocean depths. Make a splash with Professor Nautilus and Spyllass Theater during a special puppet performance of “S.C.U.B.A. (Super Cool Underwater Blacklight Adventure).”

Meet the Experts
Noon and 2:30 pm
Join scientists Mercer Brugler, Beth Orcutt, and Fritz Stahr as they share stories of deep-sea research and the technologies used to make these explorations possible. Q&A moderated by Curator Mark Siddall.

The Scientist Is In
12:30 and 3 pm
Interact with experts one-on-one and learn about their most recent underwater findings.

Live Sea-to-Shore Broadcast
1:30 and 3:30 pm
Through a live video feed, interact with international geologists, biologists, and engineers onboard the JOIDES Resolution (JR) research vessel and take a tour of the ship, which is currently conducting studies off the Ross Sea ice shelf in Antarctica.
Tag, You’re It! Scientists use satellite tagging and buoy technology to better locate species and study their behaviors. Practice gathering data from tagged sharks with the New York Aquarium. Also view an acoustic buoy used to gather whale sounds and make some electronic whale songs of your own.

Virtual Ocean Unleash your inner aquanaut and discover a vivid underwater world full of life with the immersive experience Ocean Rift. View microscopic specimens in three dimensions with the Jaffe Laboratory for Underwater Imaging.

Rover Raceway In this hands-on game, emulate the steps scientists take to conduct ocean research. Try on ocean gear, drive rovers through obstacles, race to collect specimens, and examine data back at the lab.

Underwater Robots Extreme conditions have challenged engineers to develop technologies capable of reaching the oceans’ greatest depths. Check out the newest and coolest underwater technologies and even operate your own mobile robots designed for work in aquatic environments with Aquaai, New York Harbor School, and PVC ROV.

Deep Ocean Discovery From sampling the oceans’ floor, we gain insights into what secrets lie deep beneath the sea. Explore how scientific ocean drilling provides a window into Earth’s past, present, and future with the International Ocean Discovery Program (IODP).

Ocean Tech Tales Children’s author Kevin Kurtz and librarians from the New York Public Library tell stories of ocean technology and exploration. Visit the reading corner to relax in the stacks, borrow books, and sign up for a library card.

Storytelling times: 11:45 am, 1 pm, and 3:15 pm.

Coral Reef Blacklight Puppet Performance: 11 am and 4 pm
Meet the Experts: Noon and 2:30 pm
Live Sea-to-Shore Broadcast: 1:30 pm and 3:30 pm

Let it Glow Most of the deep sea is very dark, with little or no sunlight. But that doesn’t mean marine animals are not colorful! Create your own bioluminescent creature with Spyglass Theater and watch it glow under blacklight.

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