

WoodsHoleScienceStroll.org



- 1** Woods Hole Science Aquarium
- 2** NOAA Dock
- 3** Waterfront Park
- 4** MBL Pierce Visitor Center and Gift Shop
- 5** MBL Marine Resources Center
- 6** Zephyr Education Foundation
- 7** Woods Hole Oceanographic Institution (WHOI) Dock
- 8** WHOI Redfield Auditorium
- 9** Eastern-Rig Dragger *Roann*
- 10** Buzzards Bay Coalition Discovery Center
- 11** WHOI Ocean Science Exhibit Center
- 12** Woods Hole Historical Museum

1 Woods Hole Science Aquarium

Learn about marine animals that live in the region. Experience some of them up close in a touch tank. Step inside a life-size (43-foot) inflatable humpback whale (weather permitting).

2 NOAA Dock

NOAA Fisheries

Learn how to identify whales and sea turtles, track ocean currents, determine the age of fish, and trace the life history of sharks. Talk with researchers about protected marine species like Atlantic salmon, changing ocean chemistry, how we use drones and other technologies in marine research, career opportunities, and much more.

US Coast Guard (USCG)

Watch a helicopter search and rescue demonstration (noon).* Tour the USCG 45-foot response boat. Experience a shipboard damage control simulator. Learn knot tying and practice line handling skills. (*Activities are subject to change based on USCG operations.)

3 Waterfront Park

Woods Hole 500 Women Scientists

Science should be open, inclusive, and accessible: Find out how science is part of your everyday life and learn about the diverse women in STEM fields, including famous scientists in our own community. Kids: Get sweet on science with a hands-on experiment in “candy chromatography”!

Sea Education Association/SEA Semester

Experience a mix of marine and nautical science: Identify cool critters, discover plastic marine debris, learn to tie knots, and pick up a SEA Semester coloring book! See the documentary “Transatlantic: A Voyage of Discovery” (2 p.m. in Redfield Auditorium). Find out about Falmouth Water Steward’s skip-the-straw single-use initiative.

US Geological Survey

See demonstrations of an unmanned drone and of the SeaBOSS vehicle, which collects coastal seabed images and sediment samples. Learn how to measure greenhouse gases with a laser spectrometer. Watch a time-lapse video of salt marsh erosion. Pick up free books about the Cape Cod National Seashore.

The Woods Hole Science and Technology Education Partnership

Find out about this non-profit resource network, which expands science learning and teaching resources by facilitating connections between area science and technology research organizations and the regional K-12 school districts. Enter a contest to design our new logo!

Woods Hole Historical Museum

Check out reprints of historical photographs and publications about the long history of science in Woods Hole. View our navigation and shellfish exhibits. Kids: learn about signal flags, how to tie knots, and more!

Woods Hole Research Center (WHRC)

Learn about climate change research conducted around the world by the WHRC. Explore the “hidden half” of the carbon cycle—soil—through interactive exhibits.

WCAI—the Cape, Coast, and Islands NPR Station

Learn about ocean animal sounds. Play a fun “Guess the Science Sounds” game with WCAI’s Living Lab producer Elsa Partan and staff.

4 Marine Biological Laboratory (MBL) Pierce Visitor Center and Gift Shop

Explore colorful exhibits that tell the story of the MBL and its impact on the life sciences. View live animals and underwater video footage, and use a microscope. In the MBL Club, there will be a kids T-shirt printing activity (11 a.m. & 1 p.m.). Learn fish facts, then make your own fish fashion! Bring your own plain T-shirts or purchase onsite for \$5.

5 MBL Marine Resources Center

View displays of live octopus, squid, and other creatures living in the waters around Woods Hole. Learn how MBL scientists study these amazing animals to teach us more about their lives, our environment, and even ourselves.

6 Zephyr Education Foundation & Falmouth STEM Boosters

Use “augmented reality sandboxes” to see the coastal effects of sea level rise, storm surge waves, and tsunamis (best for ages 9 to adult).

Learn from Falmouth STEM Boosters how to safely view the August 21 solar eclipse, and pick up your free eclipse-viewing glasses (one per family while supplies last).

7 Woods Hole Oceanographic Institution (WHOI) Research Vessel *Atlantis* and WHOI Dock

Tour the Research Vessel *Atlantis* (10 a.m. – 3 p.m.): See the human-occupied submersible *Alvin*, learn about research conducted at sea, and find out what it’s like to live onboard. Visitors to the ship must have a valid photo ID. Please wear sensible shoes; no backpacks, no strollers. On the dock: View other WHOI research vehicles and instruments used in oceans around the world. Make your own Science Stroll souvenirs at the kids’ activities table.

8 WHOI Redfield Auditorium

Watch a film (11 a.m. & 1 p.m.): The Woods Hole Film Festival presents “The Secret Life of Scientists and Engineers,” a documentary by 2017 Filmmaker in Residence Josh Seftel (length: 1 hr.).

9 Mystic Seaport—Eastern Rigged Dragger *ROANN*

Tour the Eastern Rigged Dragger *ROANN* (10 a.m. – 3 p.m.): Come aboard the Mystic Seaport’s ship and learn about this leading maritime museum, founded in 1929 to gather and preserve the rapidly disappearing artifacts of America’s seafaring past, now a national center for research and education.

10 Buzzards Bay Coalition Woods Hole Outreach Center

Enjoy family-friendly activities including a touch tank full of Buzzards Bay marine life.

11 WHOI Ocean Science Exhibit Center

Explore videos, displays, and exhibits to learn about marine mammals, investigate the wreckage of the *Titanic*, and discover hydrothermal vents, polar research, and much more. Check out our Splash Lab science demos!

12 Woods Hole Historical Museum

View this year’s exhibits: “Navigating the Seas in the Age of Sail,” “Man and Mollusks: A history of shellfishing on Cape Cod,” and a permanent scale model of Woods Hole, circa 1895.