



- 1 Woods Hole Science Aquarium**
- 2 NOAA Dock**
- 3 Waterfront Park**
- 4 MBL Pierce Exhibit Center and Gift Shop**
- 5 Marine Biological Laboratory**
- 6 Zephyr Education Foundation**
- 7 Woods Hole Oceanographic Institution**
- 8 WHOI Redfield Auditorium**
- 9 WHOI Ocean Science Discovery Center**
- 10 Woods Hole Historical Museum**

### 1 WOODS HOLE SCIENCE AQUARIUM

#### 2 NOAA DOCK

##### NOAA Fisheries

Research on whales and sea turtles, fish biology, water chemistry and plankton, wind and solar-powered ocean-going miniboats, and cooperative research programs with the fishing industry will be among many exhibits, demonstrations and hands-on activities offered at NOAA Fisheries Woods Hole Laboratory. The 72-foot research vessel *Gloria Michelle* will be open for visitors at the dock. Our Woods Hole Science Aquarium, featuring about 100 species of marine animals and a touch tank, will also be open for this event, with a life-size inflatable humpback whale on display nearby (weather permitting).

##### United States Coast Guard (USCG)

Tour the USCG 29-foot response boat & watch a search and rescue demonstration at noon\* with a USCG helicopter and rescue swimmer; plus various other displays from Coast Guard Sector Southeastern New England including recruitment, Auxillary, and Sector. \*Availability of activities is subject to change based on USCG operations.

### 3 WATERFRONT PARK

##### Falmouth Water Stewards

The theme of Falmouth Water Stewards activities for this year's Science Stroll will be "Know your Water Cycle" with quizzes and games for all ages to test their knowledge on the water cycle and introduce the newly installed Woods Hole Water Refill Reuse Station and the plans for more installations around Falmouth. We will have give-aways and prizes that focus on the importance of water.

##### Sea Education Association | SEA Semester

Learn about marine and nautical science: identify cool critters, examine rock from a newly formed volcanic island recently explored by SEA Semester students and NASA scientists, discover plastic marine debris, and learn to tie some good knots. Pick up a SEA Semester coloring book too!

##### United States Geological Survey (USGS)

- Drone demo
- Instrumentation show and tell
- A monitor showing model simulations of water levels during Hurricane Sandy (will need access to a power outlet)
- Booth with handouts and general information
- Telepresence from the Cape Cod survey happening at sea

##### WCAI

- Science Stroll Bingo – we will have bingo cards with landmarks and booths to visit at the stroll. Kids who turn in their Bingo Cards will get a pair of WCAI sunglasses.
- Living Lab Radio will be interview kids – “What did you learn today?” “Do you have a question for a Scientist?”
- We will be doing a demo on the science of sound

##### Woods Hole Historical Museum (WHHM)

Check out reprints of historical photographs that show the long history of science in Woods Hole. Special activities for children include learning to tie knots and to read signal flags. Read about Rachel Carson in Woods Hole and check out reprints of historical photographs that show the long history of science in Woods Hole. Special activities for children include learning to tie knots and to read signal flags.

##### Woods Hole Science and Technology Education Partnership (WHSTEP)

WHSTEP's display at the science stroll will be themed around pollinator plants. We're planning to have an activity for families to decorate pea pots that they will plant a pollinator plant in and take home. While families are there we'll be discussing WHSTEP as well as the importance of bees and pollinator plants.

##### Woods Hole Research Center

### 4 MBL PIERCE EXHIBIT CENTER AND GIFT SHOP

- Colorful, interactive live animal exhibits tell the story of the MBL and its impact on life sciences.
- Gift Shop offers a wide variety of unique science-themed gifts and souvenirs

### 5 MARINE BIOLOGICAL LABORATORY

- Get up close to live marine creatures living in the waters surrounding Woods Hole and learn how MBL Scientists draw upon nature to teach us more about our environment and even ourselves.
- View octopus, squid, and other amazing cephalopods!
- Peer into the microscopic world of the deep ocean. Learn about the dynamic diversity with deep sea mud to explore!
- Learn where the nutrients in our estuaries—the bodies of water and coastal habitats found where rivers meet the sea—come from and how can we reduce them.

##### Marine Biological Laboratory Fish Printing Kids Activity

MBL Club, 100 Water St., 11:00 a.m. and 1:00 p.m.

Learn interesting facts and stories about fish and then use them to make your own fish fashion! Bring your own plain T-shirts or purchase on-site for \$5.00.

### 6 ZEPHYR EDUCATION FOUNDATION

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

### 7 WOODS HOLE OCEANOGRAPHIC INSTITUTION (WHOI)

- Learn how scientists and engineers conduct advanced research in some of the most difficult conditions on Earth.
- See some of the most advanced ocean robots in the world, including gliders and autonomous robots.
- Learn about climate change, marine debris, and ocean exploration.
- Make your own Science Stroll souvenirs at the kids' activities table.
- Learn more about the Ocean Twilight Zone and WHOI research there.
- Create your own “step” quake and learn how researchers measure earth quakes underwater.

### 8 WOODS HOLE FILM FESTIVAL (WHFF) - REDFIELD AUDITORIUM

WHFF will be showing the documentary film “KIDS DAY: Ocean Quest XPRIZE Competition” at 10 a.m., and again at 1 p.m., in Redfield Auditorium, 45 Water Street, Woods Hole, Mass. For the first time ever, a team made up of junior high and high school students advanced to the semi-finals of the international Shell Ocean Discovery XPRIZE competition to map the ocean floor. Follow the incredible underdog story as a group of unlikely students overcome historic odds to do what no one thought possible and earn the chance showcase their solution in a live ocean test in front of XPRIZE judges.

At 11:30 a.m., in Redfield Auditorium, the Woods Hole Historical Museum Presents: “The History and Diversity of Science in Woods Hole” By John Stegeman, WHOI Senior Scientist. The presentation will include historical connections among the institutions, as well as highlights of past research and new directions.

### 9 WHOI OCEAN SCIENCE DISCOVERY CENTER

Visitors to the Ocean Science Discovery Center will learn about the Institution's ocean science research and the vessels and tools developed by WHOI engineers and scientists for use in that research.

### 10 WOODS HOLE HISTORICAL MUSEUM (WHHM)

The Woods Hole Historical Museum is a lively small museum with changing exhibits and diverse programs appealing to people with wide interests. Founded as an adjunct to the Woods Hole Library “to establish and preserve a collection of objects and materials of cultural, historical, and artistic value,” the Museum has grown to a campus of several buildings housing exhibit, workshop, and archival space, as well as becoming an active publisher of works of local and historical interest.



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