

Teacher Resource Center (TRC)

The TRC at the New England Aquarium offers professional development, free personalized consultations, curriculum and materials available for loan.

We serve more than 3,000 educators each year from New England and beyond by providing free individualized consultation and access to one of the largest environmental curriculum collections in the region.

Our audience includes preK-12 educators, park rangers, camp counselors and other informal educators.



You can borrow any of these materials for free from our collection:

- Hands-on inquiry and standards-based curricula, activities and lesson plans
- Several hundred videos, DVDs and CDs
- Kits containing biofacts, books, audiovisual materials and lesson plans
- Biofacts such as baleen, shells, corals and much more
- Colorful puppets and games

Come see how we can help meet your aquatic and environmental education needs!

Contact the TRC for professional development offerings, events, loan materials and consultations.

e-mail trc@neaq.org

phone 617-973-6590

web www.neaq.org

address Central Wharf, Boston, MA, 02110

Monday-Friday: 9 a.m.-5 p.m.
Saturdays by appointment only



**New England
Aquarium**

Teacher Resource Center



Teachers are our #1 priority.

Professional Development

Aquarium education staff can work with you to shape a program to your needs for content knowledge, PDP requirements and graduate credits. Our staff can also come to your school on professional development days.

Objectives

- Provide content enrichment for teachers.
- Model science inquiry method with activities.
- Connect to required standards.
- Foster interdisciplinary connections.

Workshops

Unless otherwise noted, sessions meet at the New England Aquarium. Pre-registration is required. Contact the TRC for registration and PDP details. The dates and times of these workshops can be found on neaq.org.

FREE! Field Trip Preparation Workshops (Grades K-12)

The Education staff will help you plan an Aquarium visit with your class, grade level or school. The workshops highlight curriculum-based activities and feature personalized tours and orientation to the TRC.

FREE! Learning Ocean Science Through Exploration

(Grades 6-12) fall and spring sessions
(Attend both sessions and receive a \$100 stipend!)

Learn more about deep-ocean exploration with these fascinating workshops by joining nationally recognized marine educators.

Tidepool Field Trip (Grades K-12)

Gain the experience needed to take your students on a tidepool field trip. Explore the amazing New England coastline and learn how to identify tidepool animals.

Inquiry and Science Processing Skills (Grades 3-12)

Help your students become scientists! We will use the Aquarium as a focus to explore and discuss different approaches to teaching life science.

A Closer Look: Integrating Scientific Inquiry and Observation with Writing (Grades K-8)

By using biofacts, live animals, Aquarium exhibits and simple science investigations, learn to help students develop observation skills while motivating them to write.

Penguins (Grades K-5)

Learn about these amazing flightless birds and the challenges they face in the wild. Integrate math, science and animal care into fun activities for your classroom.

Watersheds: Windows to the World (Grades 5-12)

Join us as we explore rivers, streams, lakes and oceans. Learn how history, science, art, math and other subjects relate to watersheds.



Climate Change Backpack (Grades 6-12)

This workshop covers basic concepts and common misconceptions about greenhouse gases, the carbon cycle, climate change measurement and positive steps to take.

Diversity, Color, Life: Exploring Coral Reefs (Grades K-5)

Coral reefs cover less than 1% of the oceans, but probably support more than 25% of the oceans' species. They protect coastal regions from storms, provide us with fish and drive tourism. Learn more in this workshop.

Whale Watch Workshop (Grades K-12)

Go on a whale watch, meet with whale scientists and marine mammal trainers as we explore the world of marine mammals.

Summer Workshops

MITs Summer Institute (Grades K-8)

Teachers spend two weeks rotating through the Aquarium, Children's Museum, Harvard Museum of Natural History and Zoo New England. Each museum will focus on the MITs "theme of the year," through inquiry-based hands-on activities. Earn graduate credits and PDPs. **To register, visit mits.org.**

On the Waterfront (Grades 3-5 and 6-8)

Learn about the physical environment, living organisms and human activity in and around the waterfront. Work with educators from the Aquarium and other Massachusetts Marine Educators to conduct hands-on investigations. Earn graduate credits and PDPs.

Learn more about workshops and programs by visiting neaq.org/professional_development.

Aquarium Benefits for Teachers

- **Free Aquarium admission** for K-12 Massachusetts educators. Out-of-state teachers may set up a free planning trip once they have booked an Aquarium field trip.
- **10% discount at the Aquarium gift shop** with a teacher ID.
- **10% discount on Aquarium family memberships** (which include free Aquarium admission for one year, discounts, invitations to members-only events and a subscription to *blue*, the Aquarium magazine for members).

Upcoming Events

Educator Appreciation Night

Every fall, we host an evening event to celebrate educators' dedication to connecting their students to the marine world. We invite all educators to view Aquarium exhibits, preview the latest IMAX film and learn about new programs for students.

Boston Harbor Educators' Conference

Join local educators for a festive day of hands-on workshops, exhibits and field trips. To register, visit massmarineeducators.org.

Massachusetts Marine Educators' Conference

Come to Woods Hole for scientist talks, hands-on workshops, exhibits, networking and field trips. To register, visit massmarineeducators.org.