



## MME E-News - October 2019

*Don't miss the:*  
**Boston Harbor Educators Conference**  
**THIS Saturday - October 5th**  
**Register by Thursday at 12pm!**  
**ADVANCE REGISTRATION REQUIRED**

### ***A Working Harbor: Past, Present, and Future***

**Where:** Deer Island Wastewater Treatment Plant, Winthrop, MA

**When:** Saturday, October 5th, 2019

**What:** Join MME members and partners for a day of learning and networking via hands-on workshops, a panel discussion, Deer Island tour, and a keynote presentation by Kathy Abbott of [Boston Harbor Now](#).

#### **Event Schedule:**

8:15-8:45	Registration and Coffee
8:45-9:45	Welcome & Keynote - Kathy Abbott, Boston Harbor Now
9:45-10:00	Coffee and Exhibits
10:00-11:00	Workshops I
11:10-12:10	Workshops II
12:15-12:45	Lunch and Exhibits
12:55-1:55	Panel Discussion
2:05-3:30	Tour of Deer Island

#### **Important Payment Information:**

**BRING CASH or check** for outstanding registration fees, or to purchase an MME t-shirt

**No credit cards will be accepted!**

***Click here to register!***

**Advance Registration is Required - No Walk-Ins**

Questions? Email [mmeducators67@gmail.com](mailto:mmeducators67@gmail.com)

## Upcoming Events

### Science Café: **Creepy Critters, Spooky Science!**



**When:** Wednesday, October 30th, 6-8pm

**Where:** [Night Shift Brewing](#), 87 Santilli Hwy, Everett, MA 02149

**What:** Learn about creepy critters of the land and sea, just in time for Halloween! Enjoy three speakers, with Q&A and discussion. **FREE Pizza!**

The [NU Marine Science Center's Science Café](#) series aims to bring science to the public in an informal and fun setting.

Events are free and open to the public.

## Opportunities and Resources

### Wade Institute for Science Education **Fall Focus Workshops**



**Marine Environments 'Make & Take':  
Exploring the Coastal Environment in the Field and Classroom**  
*2-day Workshop for Grades 4-12 Educators*

**Description:** During this two-day professional development workshop, engage with scientists in the field to explore the diversity of life in dynamic, ever changing coastal environments and discover how technology can be used to enhance the study of aquatic ecosystems. Gain experiences and ideas that will help you build your curriculum around inquiry-based science investigations and take home a collection of teaching resources, lesson plans, and easy-to-make marine sampling equipment.

**Dates:** Friday & Saturday, October 18th & 19th (8:30 am – 3:30 pm)

**Location:** National Marine Life Center (120 Main St, Buzzards Bay, MA 02532)

**Cost:** \$350/person; \$300/person if attending with at least one other teacher from your school district

**PDPs:** 13 PDPs are available.

**Register Online:** <https://www.wadeinstitutema.org/focus-workshops/>

**Lighting the Way with Wind and Solar:**

## Pathways to a Sustainable Energy Future

2-day Workshop for Middle & High School Educators

**Description:** Connect with scientists and educators from the Wade Institute for Science Education and Mass Audubon, gain an understanding of the power of inquiry-based learning to inspire a passion for science in students, and come away energized! Find out more about how energy, climate change, and sustainable solutions connect to the 2016 MA Science and Technology/Engineering standards. Walk away with inquiry-based activities and a kit of equipment you can use to get started with your own students.

**Dates:** Friday & Saturday, November 1st & 2nd, 2019 (8:30 am – 3:30 pm)

**Location:** Mass Audubon's Ipswich River Wildlife Sanctuary (87 Perkins Row, Topsfield, MA 01983)

**Cost:** \$300/person; \$250/person if attending with at least one other teacher from your school district

**PDPs:** 13 PDPs are available.

**Register Online:** <https://www.wadeinstitutema.org/focus-workshops/>

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## New England Aquarium Professional Development

### Full STEAM Ahead: Ocean Adventures

*Join the New England Aquarium on this 3-part journey through our ocean! Sign up for one, two, or all three workshops.*

*These workshops provide Pre-K to Grade 1 educators with content knowledge and skills necessary to incorporate ocean science while addressing the 2016 MA STE Standards and NGSS. Each workshop will explore a different ocean theme through hands-on activities, demonstrations, and discussion of content and standards. The ocean is full of wonder and mystery, and the perfect way to engage and excite your students in STEAM.*

**Dates:**

**Ocean Movements:** Saturday, October 19, 2019

**Ocean Sights and Sounds** Saturday, November 23, 2019

**The Ocean and Us:** Saturday, December 14, 2019

**Time:** 8:30 am- 12:30 pm

**Location:** New England Aquarium

**For:** Educators, PreK to First grades

**Cost:** \$40 per workshop (\$100 for all three\*)

**Credit:** 12 PDPs for attending all three workshops

**Register Here!**

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## Carbon Cycling in Coastal Wetlands

### WHOI Workshop for Educators

**When:** Tuesday, October 29th, 9am-4pm

**Where:** Waquoit Bay Estuarine Research Reserve

**What:** Learn the relationship between salt marshes, climate change and nitrogen pollution, and about the economic value of salt marshes as carbon sinks. Enjoy

talks from two researchers, try out demonstrations from the "Bringing Wetlands to Market" Curriculum, and visit the salt marsh research site at South Cape Beach. \$30 fee includes breakfast, lunch, and PDP Certificate.

## Register today at [seagrant.whoiedu](http://seagrant.whoiedu)

Questions? Email Grace Simpkins:  
[gsimpkins@whoiedu](mailto:gsimpkins@whoiedu)



## FREE Marine Protected Area Workshops for High School Classrooms

### Overview:

Ocean Protection Advocacy Kids, Inc. (OPAK) has a grant from Lush Cosmetics to offer its "Flounderville: Create a Marine Protected Area" Workshop for FREE to high schools across Southeastern Massachusetts. The workshop runs for 90 minutes (or two 45 minute sessions) in your classroom, is aligned with Massachusetts Standards and is an introduction to everything your students need to know about Marine Protected Areas (MPAs). It is a perfect complement to any marine science, environmental science, earth science or natural science course.



### The workshop allows students to:

- Define Marine Protected Area (MPA)
- Describe the various types of MPA's found in the USA
- Understand how a MPA is formed
- Recognize the difficulties in creating marine policy
- Identify key stakeholders in local, state and federal marine policy and evaluate their relevance
- Brainstorm ways for stakeholders to work together, determine next steps and take informed action, as appropriate
- Discover avenues to protect local marine habitats
- Create a mock Marine Protected Area

### Sign up today!

OPAK's grant ends at the end of October so if you are interested please contact Jeffrey Morgan, OPAK's Executive Director, at [jmorgan@opakedu.org](mailto:jmorgan@opakedu.org) ASAP. Spots are running out. For more information about OPAK please visit [www.opakedu.org](http://www.opakedu.org)

## Travel the world while earning your Masters Degree!

Earth Expeditions Graduate Courses

Hosted by University of Miami, Ohio



**Miami University's Project Dragonfly** is accepting applications for 2020 Earth Expeditions graduate courses that offer extraordinary experiences in 16 countries throughout the world. **Destinations include:**

- In **Baja**, students work in the diverse marine environments of the Bahía de Los Ángeles Biosphere Reserve, a UNESCO World Heritage Site.
- In **Belize**, students explore the world's second largest coral reef system.
- In **Australia**, students conduct research on the world's largest reef system, working directly with the Great Barrier Reef Marine Park Authority, the organization responsible for the management and conservation of the Great Barrier Reef.

Students apply field methods in reef, island, sea grass, mangrove, and other marine ecosystems and join a global alliance of professionals who work together to engage communities in science and conservation.

Earth Expeditions can build toward the **Global Field Program (GFP)**, a master's degree that combines summer field courses worldwide with web learning communities so that students can complete the GFP master's part-time from anywhere in the United States or abroad.

**TUITION GREATLY REDUCED thanks to support from Miami University!**

## Classroom Resources: Boston Harbor Habitat Atlas



This online database developed by the MassBays National Estuary Program and the Northeastern University Marine Science Center includes ample information on the many marine habitats found in our local coastal waters.

**Resources include:** virtual tours, species lists, maps with habitat locations, case studies featuring local research and scientists, lesson plans for each habitat, and more!

Whether you are planning a field trip, or just want to explore the marine world virtually with your students, the Atlas provides hours of marine science content and curricula.

***[Click here to view the Atlas](#)***

## Support marine education while you shop!



1. Next time you shop on Amazon, go to [smile.amazon.com](https://smile.amazon.com) and select **Massachusetts Marine Educators** as your charity of choice.
2. When you check out, Amazon will donate a percentage of your purchase to MME, **at no extra charge to you.**
3. Save the link in your bookmarks, so that you can support MME whenever you shop on Amazon.

## Fishing for more marine science?

***Check out these MME Partners and sign up for their newsletters to get more marine science in your inbox!***

**Ocean Genome Legacy - Marine DNA  
Biorepository**



**Northeastern University**  
*The Ocean Genome Legacy Center  
of New England Biolabs*

**New England Ocean Science Education  
Collaborative**

**NEOSEC**

New England  
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Education Collaborative

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*Don't see your event, resource, or opportunity here?  
Please email [v.perini@northeastern.edu](mailto:v.perini@northeastern.edu) to have it included in the next e-newsletter.*

<http://ma-marine-ed.org/>

STAY CONNECTED



Massachusetts Marine Educators | c/o Robert Rocha, New Bedford Whaling Museum, New Bedford, MA 02740

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