

# Marine Education Resources compiled by Teresa Lees

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## 1. Information Exchange for Marine Educators

<http://marineprotectedareas.noaa.gov/resources/education/#exchange>

This is a great newsletter with lots of great marine education info, if you do not receive it. From the NOAA's "Info Exchange" Marine Education Newsletter, linked on The Bridge, here: <http://web.vims.edu/bridge/?svr=1>

## 2. FREE Kindergarten and First Grade MARE lessons

We are excited to share our new MARE resource with you for FREE thanks to funding from the California Coastal Commission. The MARE Kindergarten and 1st grade units have been completely rewritten to align to NGSS (and Common Core ELA and Math). They're a great way to "get your feet wet" teaching science in a three-dimensional way. The K unit is all about Ponds, and the 1st grade unit is about Life at the Seashore. You can find overviews of the units and standards correlations at the links below. You'll need to complete a short survey before going to the curriculum download site. We'd love your feedback so we can keep improving the units. So, please share with us if you teach them.

Kindergarten Ponds: <http://mare.lawrencehallofscience.org/curriculum/teacher-guides/grk-ponds>

First Grade Rocky Seashore: <http://mare.lawrencehallofscience.org/curriculum/teacher-guides/gr1-rocky-seashore>

## 3. Ocean Plastic Pollution Summit

<http://www.montereybayaquarium.org/education/teacher-professional-development/ocean-plastic-pollution-summit>

The 2016-17 Ocean Plastic Pollution Summit (OPPS) kicks off this fall, at the Monterey Bay Aquarium. The three-part summit is designed for preK-12th grade classroom teachers who are ready to go in-depth into plastic pollution issues and solutions with their students.

# When It Occurs & What to Expect

## October 7-8, 2016 Ocean Plastic Pollution Summit Kickoff

Teacher participants accepted into the Ocean Plastic Pollution Summit will begin the weekend with a Friday evening keynote session from an ocean plastic pollution solution leader. Various local conservation organizations will be on hand to chat with you about their commitment to this issue. Network with colleagues, Aquarium

staff and community members. At the end of the evening, pick your favorite place to sleep in the Aquarium.

On Saturday morning, participants will learn about the types of plastic pollution, with an emphasis on single-use plastics, and discuss the impacts of single-use plastics on animal and human health. Gain a better understanding about the chemical and physical properties of plastics and their environmental interactions. Session presenters will describe strategies to reduce ocean plastic pollution, focusing on individual behavior change as well as institutional and municipal actions that can be taken.

## February 11, 2017 Mid-year Check-in & Sessions

Teachers that have committed to engaging their students in a plastics action project will meet to exchange project ideas, learn more about plastic pollution issues, and network with key community members.

This session will provide participating teachers with an opportunity to troubleshoot project implementation with colleagues, Aquarium staff and expert speakers.

## April 29-30, 2017 Final Project Symposium

Teachers who have conducted a project with their students will be invited to bring a leadership team of student representatives to present their project at a sleepover event at the Aquarium. The event opens with an inspirational keynote by a young activist. Following the keynote, project teams set up posters of their projects, explain their results and network with peers.

### **4. National Marine Sanctuaries Webinar Series – September 21, 2016**

Join Claire Fackler to learn more about marine protected areas, including what a national marine sanctuary is. Free STEM educational resources to increase ocean literacy with your students will be highlighted. This webinar series will provide educators with educational and scientific expertise, resources and training to support ocean and climate literacy in the classroom.

Register here:

<https://attendee.gotowebinar.com/register/5391920732998151683>

Webinar Series archives are located here:

<http://sanctuaries.noaa.gov/education/teachers/webinar-series-archives.html>