

# SEANET TOOLKITS

Bringing SEANET Research to Students



**SEANET = Sustainable Ecological  
Aquaculture Network**

## SEANET Toolkits

Toolkits are created by  
UMaine Cooperative  
Extension & 4-H and ME  
EPSCoR with input from  
SEANET research faculty  
and students





## First two kits completed

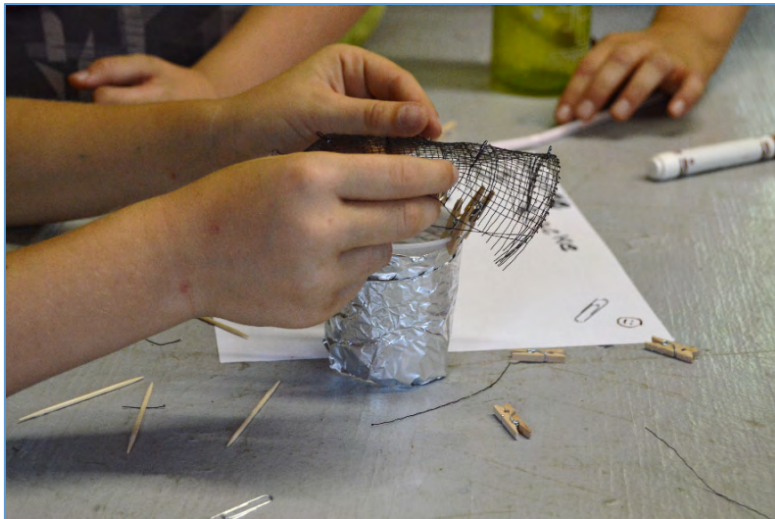
- Introduction to Ocean Sciences for grades K-2
- Sea Vegetables: The Science of Seaweeds for grades 3-5





## Two more kits in development

- Innovations: Aquaculture Engineering for grades 6-8
- Diving into Data: Data Literacy for grades 9-12



## Using the Toolkits

- Piloted in afterschool programs by STEM Ambassadors
- Hosting focus groups, workshops, and presenting at national conferences and meetings.
- Toolkits piloted with ME afterschool and summer programs



## Summer of Science

- A summer program for 31 high school students accompanied by 6 preservice education college students
- Taught over 11,000 elementary students the Sea Vegetable toolkit curriculum
- Hosted lessons at federally subsidize drop-in food sites and YMCA summer camps in Southern Maine



## Curriculum toolkits are being used to reinforce exhibit concepts

- New permanent aquaculture exhibit at the Maine Discovery Museum
- Opens Feb. 3, 2017
- Visitors can experience swimming in salmon pens using virtual reality
- Children can harvest oysters and mussels and weigh them
- Guests can play in the Kelp Café
- Toolkit curriculum used to create sea vegetable exhibit content





Students have been involved throughout the process



## For more information:

- Contact Laurie Bragg, ME EPSCoR at [laurie.bragg@maine.edu](mailto:laurie.bragg@maine.edu) for SEANET Information
- Contact Sarah Sparks, UMaine Cooperative Extension at (207)353-5550
- To receive copies of the curriculum:  
<https://umaine.edu/epscor/teacher-resources/>