Classroom Programs

School to Sea

Salem Sound COASTWATCH

Can't get to the coast? We bring the coast to your classroom with interactive, marine science programs.



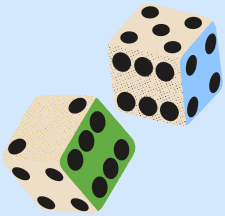
Erosion & Engineering

Students become engineers as they explore how water shapes our coasts. Using hands-on models, they design and test strategies to prevent erosion, discovering how science and problem-solving work together.

Oyster Filtration Lab

A three station lab where students explore how oysters filter water! Complete with water quality measurements with a live oyster tank, an anatomy lesson with shucked oysters, and a history or food web activity.



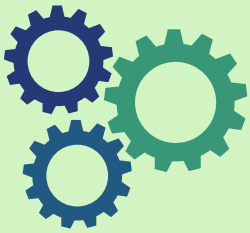


Sidewalk to Sea

Play a life size board game that similates how pollution travels through our watershed. The goal is to try and prevent the pollution from getting into the ocean.

Marine Science STEM Kits

Choose from one of our 20 Marine Science STEM kit activities complete with all materials, facilitator guides, and a powerpoint.



978.741.7900 education@salemsound.org 12 Federal St. Salem MA 01970

Pricing & Additional Information

Classroom Programs

Activity	Grades	Price
Erosion & Engineering	2nd & 4th	$225
Oyster Filtration Lab	6th, 7th & 8th	$500
Sidewalk to Sea	3rd - 12th	$225
STEM Kits	K - 12th	$175 Drop off $100 Pick up

Final price will be determined by total number of sessions. A milage fee may be added if the location is beyond 20 miles from our main office.

All programs supported by the Common Core Standards and Next Generation Science Standards.

Salem Sound COASTWATCH

STEM Kit Catalog

Page 1

Activity	Description	Grades
⭐ Buoyant Boats	Build a boat that will hold the most amount of weight before sinking.	3rd - 12th
Mini Watershed	Build a mini watershed that will show how water moves through the land.	3rd - 12th
Coral Skeletons	Using marshmallows and toothpicks make a coral replica and test its durability.	3rd - 12th
Hurricanes & Structures	Build a home on the coast that will survive against hurricane like winds.	3rd - 12th
Ocean Current Marble Run	Create a model of how ocean currents move using cardboard and marbles.	3rd - 12th
⭐ Robo Crabs	Build a crab that moves using a circuit kit.	K - 12th
Seashell Strength	Build a geodesic dome and put it to the test of how strong it is.	5th - 12th
Trash Catapult	Build a catapult and use it to sort trash, compost, and recycle.	3rd - 12th
⭐ Wind Sail Challege	Build a wheeled “boat” out of Legos and create a sail to test how fast and far it can go.	K - 12th
Wind Turbines	Put your hand-made wind turbine to the test and see how well it catches wind.	5th - 12th

⭐ = Recommended

Salem Sound COASTWATCH

STEM Kit Catalog

Page 2

Activity	Description	Grades
Animal Adaptations	Use clay to create your own animal that has adapted to its environment.	3rd - 12th
Bridge Strength	With LEGOs, build a bridge connecting two towns that holds the most weight.	3rd - 12th
Compass & Map	Make a working compass and use it to help map your city or school.	3rd - 12th
Hungry Birds	Understand how entaglement and ingestion of plastic pollution can harm a birds ability to survive.	3rd - 12th
Intertidal Zone Creation	Build an intertidal landscape and place where each animal lives in within it.	3rd - 12th
Plankton Buoyancy	Using the understanding of buoyancy, make a plankton replica that is neutrally buoyant.	3rd - 12th
Propeller Boats	Make a boat propeller that moves through the water using common materials.	3rd - 12th
Salinity Layers	Understand the difference in salt and fresh water and its ability to float or sink by layering colored water.	3rd - 12th
Storm Drain Rescue	Rescue various items that fell into a storm drain using recycled materials.	3rd - 12th
Water Filtering	Use everyday materials to filter dirty water into clean water.	3rd - 12th