

NJ Marine Sciences Consortium/NJ Sea Grant

Oceans To Go!

IN-SCHOOL MARINE SCIENCE PROGRAMS

Perfect for In-School, After School and Family Science Sessions



NJMSC/NJSG is pleased to offer “hands-on” marine science programs at your school or center.

Sand Lab: Children will learn where sand comes from, what it is made from and how it gets to the Jersey Shore. An on-site laboratory will be set up where your group uses microscopes and hand lenses to investigate sand samples from New Jersey and around the world. “Make and take” activities include sand wheels, sand art and sand cards.

What Lives in a Shell? During this program students will become acquainted with the lives of some common New Jersey shelled creatures including clams, snails, hermit crabs and turtles. Activities include a story, observation of live specimens and related crafts.



Incredible Crustaceans! This program focuses on crabs, lobsters and shrimp! During a live animal presentation, students will discover the life of crustaceans native to New Jersey. Groups will assemble several models to compare and share, plus learn the common characteristics of these fascinating clawed creatures.

Lenape and the Jersey Shore: During this program students will learn about our area’s Native Americans and how they utilized the coastal environment to survive. Students will learn about the foods the Lenape ate, how they hunted, fished and more. A Lenape legend, “The Rainbow Crow” may also be included along with a related craft activity.

Horseshoe Crab Investigation: Students will learn all about this amazing native of the Jersey Shore. Each student will assemble a horseshoe crab model to take home, make a related food chain, view a horseshoe crab shell and anatomy and meet a live horseshoe crab.



Fish Anatomy and Morphology: Fish shape, from body style to fin and tail variation, makes a big difference in how each fish moves and survives. Your group will investigate fish shape through Gyotaku, the ancient art of Japanese fish printing and direct observation of real and model fish. Students will also build a paper fish and participate in a story telling activity that assesses their new understanding of fish locomotion.

CSI - Clam Shell Investigation: Students will become seashore detectives as they investigate the creepy habits of the moon snail. Using microscopes and magnifying lenses, students will solve the mystery of the holey clamshell. Groups will classify clamshell samples and create charts and graphs to support their hypothesis of how

Newest Offerings:

Terrific Terrapins: During this program students will observe live salt and fresh water turtles, learn about their needs, the habitats they live in and how they survive. Students will also learn what it means to be an “endangered species” and what we all can do to help protect these animals. Program includes a story, a “mini” lab exercise and several turtle crafts.

Stars of the Sea: This program focuses on some of the ocean’s more intriguing creatures, seastars and urchins. Students will observe live and preserved specimens and learn about their needs, the habitats they live in and how to survive. This program includes a story, a Holiday-themed seastar craft, an edible urchin activity and use of microscopes to get a closer look at these animals. May also include an appearance of Stella the Seastar, a costumed creature.

More programs for Grades 5 and up:

Ocean in Motion: Surfs Up! Discover the powerful force of the ocean and how waves and currents move around the world. With an observation of a wave tank and a lively interactive presentation students will discover the common characteristics of waves and how they shape our shoreline. Then during several hands-on activities students will learn how currents are created and how they travel around the world. Students will create an “Ocean in Bottle” model to take home.

Web of Life: An intricate system of feeding relationships exists within New Jersey’s marine ecosystem. During the group activity, students will be introduced to the sea creatures that call New Jersey’s ocean their home and assemble a native species food web. Following the group activities, students will complete several food web activities including creating a diagram of their lunch and a “make and take” marine food chain.

Ports, Harbors and Estuaries: This program explores New Jersey’s estuarine environments and the exciting world of ocean transportation and shipping. Students will learn about NJ’s estuaries and their multi-faceted roles as centers of commerce and recreation and as providers of habitat for a myriad of plant and animal species. This program includes mapping activities, live animal presentations and water quality experiments. It can also be used as a precursor to an NJMSC/NJSG’s Harbor field trip program.

Please Note: Unless specified, most programs can be made appropriate for grades K-7. Programs with “make-and-take” craft projects include all supplies brought in by the NJMSC/NJSG at no additional cost to you. Many programs include live marine animals.

FEES

After-school and evening presentations: \$325 per visit for one 1½ hour presentation (one program) for up to 50 participants.

In-school presentations: \$540 per visit. Includes up to four 45 minute sessions, same program, for up to 25 students per session. In-school sessions are available from November through March and during July and August. Additional classes or split program, add \$100.00.

PLEASE NOTE: FOR SCHOOLS MORE THAN 30 MILES FROM NJMSC/NJSG, A SMALL TRANSPORTATION FEE WILL BE CHARGED.

TO SCHEDULE YOUR VISIT OR FOR MORE DETAILS CALL ROSEMARY HIGGINS AT 732- 872-1300 X19 OR EMAIL RHIGGINS@NJMSC.ORG