

## Our Facility

Since our reopening in May 2011, Jennette's Pier has been committed to educating students of all ages. Using our Platinum LEED Certified facility, we have educated more than 10,000 students. Our educational programs are designed to provide students with hands-on experiences that will deliver long-lasting memories. From the small grains of sand to the towering wind turbines, we have a program that will suit your needs. Our programs are based on STEM, Common Core and Essential Standard guidelines.

## Who We Serve

K-12 Students, Home School, School Clubs, College Groups, Scouts, Adult Education and Teacher Training

## Field Trip Information

- Groups may select up to three programs
- Individual programs last approximately one hour
- Program and rotation outlines provided once all programs are selected
- Rates will vary based on quantity and program types

## Our Mission

"Inspiring Appreciation and Conservation of North Carolina's Aquatic Environment."

## Plan Your Visit

Jennette's Pier is Located at:  
7223 South Virginia Dare Trail,  
Nags Head, North Carolina 27959

### Hours of Operation:

May – Aug: 5 AM – 12 AM

April, Sep - Nov 6 AM – 12 AM

Dec– Mar 8 AM – 5 PM

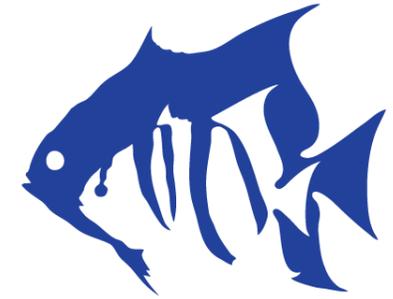
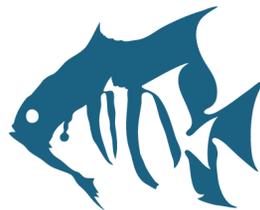
## Contact Us

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## Jennette's Pier EDUCATIONAL PROGRAMS



INSPIRE - APPRECIATE - CONSERVE

# Choose Your Adventure

## OCEAN CURRENTS AND UPWELLING

Students will discover the factors involved in creating convection currents and why they are important in a marine ecosystem. They will explore salinity, density and discover how these factors impact ocean animals and currents.

## SQUID DISSECTIONS

Students will investigate the intricacies of structure and function of this unique organism. By dissecting this animal, students will learn to appreciate its unique characteristics and adaptations up close.

## BEACH EROSION AND SHORELINE PROFILES

Students will discover the dynamic characteristics of barrier islands. Learn how forces such as erosion, deposition, wind and waves impact the shorelines of the Outer Banks. Students will collect physical data and analyze the shoreline profile at Jenette's Pier.

## CLIMATE CLUES

Discover greenhouse gases and their role in the atmosphere. Explore the impact of ocean acidification on marine organisms, and learn what happens to the ocean's waters as carbon dioxide increases in the atmosphere. This program includes three short labs related to each topic.

## WONDERS OF WIND

In this program students learn how we harness energy from wind, advantages and disadvantages of wind energy, and the importance of clean wind and ideal locations to install wind turbines to maximize efficiency. Through construction of their own turbines, participants in this program gain an understanding of how this technology works and its importance for future energy generation.

## WATER QUALITY AND BUILD YOUR OWN AQUIFER

Students will explore the importance of water resources and how they are protected and conserved. They will work in groups to create their own filtration system.

## GEOHERMAL: IT'S HOT AND COLD

In this program, students discover that we can use the Earth to warm and cool our homes. Students learn about geothermal energy and work collaboratively to build their own geothermal closed-loop system.

## BEACH EXPLORATIONS

Students will discover all the various types of animals that call the intertidal zone their home. They will collect data using a quadrant sampling method, sieves, seine nets, mole crab rakes, and observe all meiofauna and organisms under a dissecting scope.

## PIER FISHING 101

Learn the basic skills necessary to catch a fish. Topics covered in the program will include species that are commonly found around the pier, a lesson on fish identification, how to cast and tie your rigs as well as catch and release techniques.

## PLANKTON INVESTIGATIONS

Students will learn how to use scientific instruments and discover the microscopic organisms that are vital to the marine food chain. After sampling plankton and identifying different species under the microscope, they will collect water samples by dropping sampling tools over the side of the pier, and learn how to test water salinity, pH, turbidity, nitrogen, dissolved oxygen and temperature.

## SOLAR SCIENCE

Discover and discuss solar power as an energy resource. Students will design, build and evaluate a solar device and discover how solar panels maximize efficiency.

 *Outdoor Programs*

 *S.T.E.M. Programs*

All programs can be adapted to accommodate different ages and learning levels.