



## **Sewee Visitor and Environmental Education Center**

5821 Highway 17 North  
Awendaw, South Carolina 29429  
(843) 928-3368

### **Environmental Education Programs**

Carnivorous Plants in Carolina Bays- Learn how plants eat insects to get the nutrients that are missing from the soil of Carolina Bays then create a 'carnivorous plant' to take home and practice catching insects. These bays are mysterious freshwater wetlands that only occur in this part of the country.

Standards: K-1.1, K-1.3 K-2.1, K-2.2, 1-2.1, 1-2.2, 1-2.3, 1-2.5, 1-2.6, 3-2.1, 3-2.2, 3-2.3, 3-2.4, 4-2.1, 4-2.2, 4-2.5, 5-2.2, 5-2.5, 6-2.1, 6-2.4, 6-2.7, 7-4.3, 7-4.4, B-3.1, B-3.6, B-5.4

Conservation- This program will begin with the definition of conservation and lead into a discussion of what we might want to conserve and how we can do so, natural resources-renewable vs. non-renewable, and the benefits of recycling. Students will have a chance to make new paper from old paper to better understand the recycling process. Older students will determine their 'ecological footprint'.

Standards: K-5.2, 1-4.6, 3-3.7, 5-3.6, 7-4.6

Ecosystems-**STUDENTS DISCOVER ON THEIR OWN-** Students will learn what an ecosystem is by observing local habitats and the roles of organisms that live here. Younger students will become nature detectives by viewing the six habitats in our exhibit hall and observing clues left by animals. Older students will learn the management techniques used by the Forest Service and the Fish and Wildlife Service use to keep these habitats healthy.

Standards: K-1.1, K-2.1, K-2.2, K-2.3, K-2.5, K-4.3, 1-1.1, 1-2.1, 1-2.3, 1-2.5, 1-2.6, 1-4.1, 2-1.4, 2-2.1, 2-2.2, 2-2.3, 2-2.4, 2-2.5, 3-1.1, 3-1.3, 3-2.1, 3-2.2, 3-2.3, 3-2.4, 3-2.5, 3-3.5, 3-3.6, 3-3.6,3-3.7, 3-3.8, 4-1.1, 4-2.1, 4-2.2, 4-2.3, 4-2.4, 4-2.5, 4-2.6, 5-2.2, 5-2.3,5-2.4, 5-2.5, 5-3.1, 5-3.4, 5-3.5, 5-3.6, 6-2.2, 6-2.3, 6-2.4, 6-2.9, 6-3.1, 6-3.3, 6-3.5, 6-3.6, 6-4.2, 7-4.1, 7-4.2, 7-4.3, 7-4.4, 7-4.5, 7-4.6, 8-2.1, 8-2.7, B-3.6

Forest Ecology- In an activity, students will learn the different parts of a tree and the function of these parts. During a walk on part of our Nebo Trail, students will observe common Lowcountry trees and their importance in the ecosystem. They will learn how to observe different characteristics of trees to determine which type of tree it is.

Standards: K-1.1, K-2.1, K-2.2, K-2.4, K-2.5, K-4.3, 1-2.1, 1-2.2, 1-2.4, 1-2.5, 1-2.6, 1-4.1, 1-4.6, 2-2.3, 2-2.4, 3-2.1, 3-2.2, 3-2.3, 3-2.4, 3-2.5, 4-2.2, 4-2.5, 4-2.6, 5-2.2, 5-2.4, 5-2.5, 6-2.1, 6-2.3, 6-2.4, 6-2.5, 6-2.7, 7-2.4, B-3.1, B-3.6

Freshwater Wetlands- Discover the wonders of wetlands! A collection of various aquatic animals and plants will be taken into the lab for identification. Tadpoles and aquatic insects such as the dragonfly, mayfly, damselfly, and mosquito will be the main focus in the discussion of metamorphosis. Older students will perform water quality tests.



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Invasive Species- Discover why invasive species are such a huge problem on our National Forest and National Wildlife Refuges. Plants and animals that were introduced into the local ecosystem cause havoc on the natural balances that keep populations in check. We will cover some of the biggest local threats and what is being done to control these alien invaders!

Standards: 5-2.2, 5-2.4, 5-2.5, 5-3.6, 6-2.1, 6-2.3, 6-2.9, 7-4.1, 7-4.3, 8-2.1, 8-2.7, B-3.6

Mammals- From the flying mammals (bats), to the common white-tailed deer, discover the diversity of mammals that call Cape Romain National Wildlife Refuge home. Using mammal skulls and a dichotomous key, students will learn different mammalian adaptations to survive on land and sea.

Standards: 4-2.1, 4-2.4, 5-2.4, 6-1.3, 6-1.5, 6-3.1, 6-3.2, 6-3.3, 7-4.1, 7-4.2

Marine Mammals- Discover the adaptations some mammals have developed to live in the ocean! Investigate the difference between toothed and baleen whales and how much food they have to consume to keep their huge bodies healthy. Practice making the migration of a whale.

Standards: K-2.1, K-2.3, K-2.4, K-4.3, 2-2.1, 2-2.2, 2-2.3, 2-2.4, 3-2.2, 3-2.4, 3-2.3, 3-2.5, 4-2.1, 4-2.2, 4-2.3, 4-2.5, 5-2.2, 5-2.3, 5-2.4, 5-2.5, 6-3.1, 6-3.2, 6-3.3, 6-3.4, 6-3.5, 6-3.7, 7-4.1, 7-4.2, 8-2.1, 8-2.7

Orienteering- Compass class 101!!! Teach students the basics of using a compass. Students will learn how to identify the different parts on the compass. Students will learn how to find direction and set out on a predetermined course looking for clues.

Standards: 2-5.2, 2-5.4, 4-1.1, 4-1.7

Red Cockaded Woodpecker- Students will investigate what factors create suitable habitat for the endangered red cockaded woodpecker (RCW). They will then learn the reasons for this bird's decline. Students will have a chance to be a biologist and "monitor" an RCW colony.

Standards: 4-2.5, 4-2.6, 5-2.4, 5-2.5, 6-3.4, 6-3.5, 6-3.6, 7-4.1, 7-4.2, 7-4.3, 8-2.1, 8-2.7

Red Wolves- Younger students will hear the story of a baby red wolf's first year of life while looking at pictures of real red wolf pups while creating a wolf mask. Older students will learn about the Red Wolf Recovery Program and what causes this animal to become endangered. All students will then get a chance to observe live red wolves.

Standards: K-2.1, K-2.2, K-2.3, 2-2.1, 2-2.2, 3-2.2, 3-2.3, 3-2.4, 4-2.1, 4-2.2, 4-2.5, 4-2.6, 5-2.5, 6-3.5, 6-3.6, 7-4.3, 8-2.1, 8-2.7



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Reptiles and Amphibians- Students will learn both similarities and differences between reptiles and amphibians. Live animals will be used to allow for a hands-on, close up look at some of the adaptations of reptiles and what role they play in the ecosystem.

Standards: K-2.1, K-2.3, K-2.4, K-2.5, 2-2.1, 2-2.2, 2-2.3, 2-2.5, 3-2.1, 3-2.2, 3-2.3, 4-2.1, 4-2.3, 5-2.2, 5-2.4, 6-3.1, 6-3.2, 6-3.3, 6-3.4, 6-3.5, 7-4.1, 7-4.2, 7-4.3, 8-2.1

Salt Marsh Ecology- At the salt marsh, perform a fiddler crab population study. Find out how these little organisms alter the habitat to make it more suitable for others and how they depend on other factors of the salt marsh. Go on a hike through a maritime forest on your way to the salt marsh. This Sewee Shell Ring trail in the Francis Marion National Forest allows students to learn about how plants adapt to living in a salty environment.

Standards: 5-1.6, 5-1.8, 5-2.4, 5-3.6, 6-1.5, 6-2.2, 6-2.3, 6-2.7, 6-3.2, 6-3.4, 6-3.5, 7-1.6, 7-1.7, 7-4.2, 7-4.3

Sea Turtles- Students will learn about the biology of sea turtles, how they became a threatened species, and people do to help them. All students will then learn first hand how difficult it is to survive when they pretend to be sea turtle hatchlings racing to the ocean. Older students will practice management techniques commonly used to help sea turtles.

Standards: K-2.1, K-4.3, 3-1.1, 3-2.1, 3-2.2, 3-2.3, 3-2.4, 4-2.1, 4-2.2, 4-2.3, 4-2.5, 4-2.6, 5-2.4, 5-2.5, 6-3.2, 6-3.4, 6-3.5, 6-3.6, 7-4.3, 8-2.1 8-2.7

Shorebirds- Learn all about the beautiful shorebirds that run along the beaches of Cape Romain and their adaptations that help them survive in their habitat. Students will experience the long, difficult journey of migrating from continent to continent in search of food and a safe haven!

Standards: K-2.1, K-4.3, 3-1.1, 3-2.1, 3-2.2, 3-2.3, 3-2.4, 4-2.1, 4-2.2, 4-2.3, 4-2.5, 4-2.6, 5-2.4, 5-2.5, 6-3.2, 6-3.4, 6-3.5, 6-3.6, 7-4.3, 8-2.1 8-2.7

Tracks- Learn to identify the tracks of common animals found in South Carolina. Become a nature detective by using clues to identify which animals live near you. Students will use molds to create tracks in the sand and younger students will paint these molds.

Standards: K-1.1, K-1.3, K-2.2, 2-1.4, 2-2.2, 2-2.3, 3-1.1, 3-1.2, 3-2.2, 3-2.3, 4-2.5, 6-3.2, 7-4.1, 8-2.1