4th Grade Coastal Center Experience

Sunshine State Standards

SC.4.E.6.3	Recognize that humans need resources found on Earth and that these are either renewable or nonrenewable.
SC.4.L.16.2	Explain that although characteristics of plants and animals are inherited, some characteristics can be affected by the environment.
SC.4.L.16.3	Recognize that animal behaviors may be shaped by heredity and learning.
SC.4.L.16.4	Compare and contrast the major stages in the life cycles of Florida plants and animals, such as those that undergo incomplete and complete metamorphosis, and flowering and nonflowering seed-bearing plants.
SC.4.L.17.1	Compare the seasonal changes in Florida plants and animals to those in other regions of the country.
SC.4.L.17.2	Explain that animals, including humans, cannot make their own food and that when animals eat plants or other animals, the energy stored in the food source is passed to them.
SC.4.L.17.3	Trace the flow of energy from the Sun as it is transferred along the food chain through the producers to the consumers.
SC.4.L.17.4	Recognize ways plants and animals, including humans, can impact the environment.

Ray Touch Tank Program

An interactive opportunity for students to understand food energy transport, seasonal changes and behaviors of stingrays.

Objectives:

Students should be able to:

- Recognize behaviors learned by our stingrays
- Acknowledge that there is a flow of energy from the Sun to the food stingrays eat

Standards SC.4.L.16.3, SC.4.L.17.2, SC.4.L.17.3

Sea Turtle Program

An entertaining lesson which explores behaviors, life stages, and food sources for sea turtles in the wild as well as for our 4 resident turtles.

Objectives:

Students should be able to:

- Recognize that sea turtle behaviors are shaped by heredity and learning
- Understand a sea turtles life cycle
- Understand that energy is transferred up the food chain

Standards SC.4.L.16.2, SC.4.L.16.3, SC.4.L.16.4, SC.4.L.17.2

Invertebrate Touch Tank Program

A hands-on experience to explore the life stages of different invertebrates and learn their importance

Objectives:

Students should be able to:

- Define the term invertebrate.
- Be able to compare the different life stages of each invertebrate in the tank
- Recognize the important impact that invertebrates have on the environment and food web

Standards SC.4.L.17.3, SC.4.L.17.4

Ocean EcoCenter- Life along the Shore Program

A fun activity where students recognize how individuals can impact an environment

Objectives:

Students should be able to:

- Define the terms renewable and nonrenewable
- Recognize the effects animals and plants have on their ecosystem
- Compare major life cycle changes in Florida animals

Standards SC.4.E.6.3, SC.4.L.16.4, SC.4.L.17.1, SC.4.L.17.4