5th Grade Coastal Center Experience

Sunshine State Standards

SC.5.N.1.2	Explain the difference between an experiment and other types of scientific investigation.
SC.5.N.1.3	Recognize and explain the need for repeated experimental trials.
SC.5.N.1.4	Identify a control group and explain its importance in an experiment.
SC.5.N.2.2	Recognize and explain that when scientific investigations are carried out, the evidence produced by those investigations should be replicable by others.
SC.5.E.7.2	Recognize that the ocean is an integral part of the water cycle and is connected to all of Earth's water reservoirs via evaporation and precipitation processes.
SC.5.E.7.5	Recognize that some of the weather-related differences, such as temperature and humidity, are found among different environments, such as swamps, deserts, and mountains.
SC.5.E.7.6	Describe characteristics (temperature and precipitation) of different climate zones as they relate to latitude, elevation, and proximity to bodies of water.
SC.5.L.15.1	Describe how, when the environment changes, differences between individuals allow some plants and animals to survive and reproduce while others die or move to new locations.
SC.5.L.17.1	Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles variations, animal behaviors and physical characteristics.

Ray Touch Tank Program

An interactive opportunity for students to understand stingray adaptations, the oceans role in the water cycle, and the effects of environmental changes on stingrays

Objectives:

Students should be able to:

- Describe how environmental changes effect animals
- Understand adaptations displayed by stingrays
- Recognize the importance of the ocean in the water cycle

Standards SC.5.E.7.2**,** SC.5.L.15.1, SC.5.L.17.1

Sea Turtle/Gamefish 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 the role of the ocean in the water cycle
- Recognize how weather-related differences impact environments
- Describe characteristics of climate zones
- Understand different animal adaptations and how environmental changes effect the waterways

Standards SC.5.E.7.2, SC.5.E.7.5, SC.5.E.7.6, SC.5.L.15.1, SC.5.L.17.1

Invertebrate Touch Tank Program

A hands-on experience to explore the effects of weather and other environmental changes on the habitat and health of invertebrates

Objectives:

Students should be able to:

- Define the term invertebrate
- Recognize the habitats invertebrates live in and how weather-related differences effect each of their environments
- Understand the effects of environmental changes on invertebrates and their adaptions

Standards SC.5.E.7.5, SC.5.L.15.1, SC.5.L.17.1

Exhibit Hall Program

A fun worksheet that allows students understand experiments and the importance of scientific investigation

Objectives:

Students should be able to:

- Describe the term vertebrate
- Understand and explain the difference between experiments and other scientific investigation
- Explain the importance of repeating trials, of control groups and that experiments should be replicable by other scientist

Standards SC.5.N.1.2, SC.5.N.1.3, SC.5.N.1.4, SC.5.N.2.2