

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.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.
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Ray Touch Tank Program

An interactive opportunity for students to understand stingray adaptations, the ocean's 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



Standards 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 freshwater, saltwater, and brackish water in south Florida ecosystems
- Recognize how weather-related differences impact environments
- Understand different animal adaptations and how environmental changes affect the waterways



Standards 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
- Understand the effects of environmental changes on invertebrates and their adaptations

Standards SC.5.L.17.1



Ocean EcoCenter- Classroom Program

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

Objectives:

Students should be able to:

- 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

