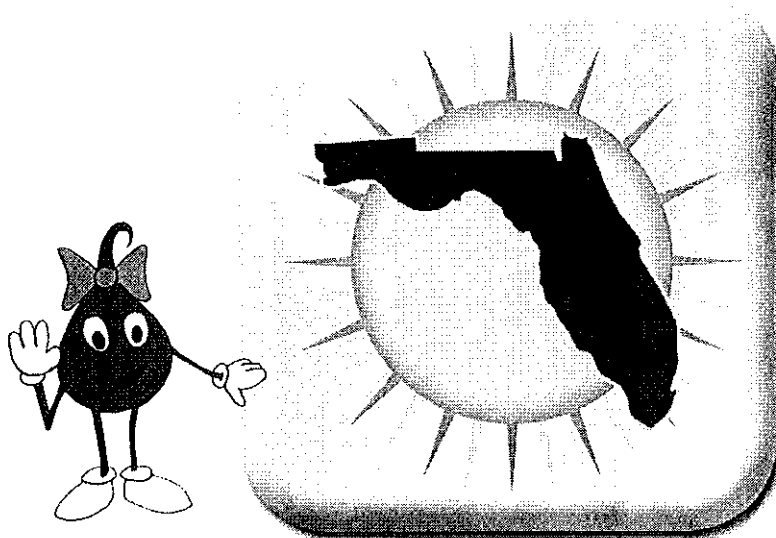


The JOURNEY OF WAYNE DROP to the Everglades

Environmental Education
Teacher's Guide

APPENDIX



Florida Sunshine State Standards as of June, 2005



US Army Corps
of Engineers
Jacksonville District



National
Park
Service



The Journey to Restore America's Everglades

A partnership of the U.S. Army Corps of Engineers, South Florida Water Management District and many other federal, state, local and tribal partners.

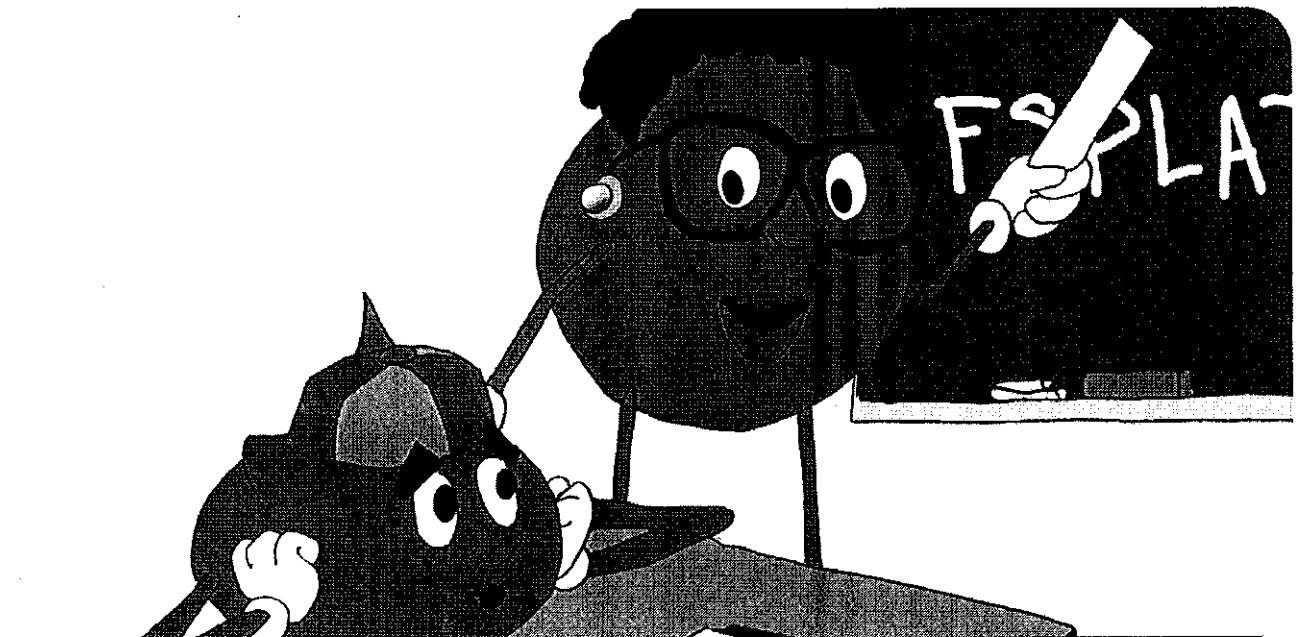
Environmental Education
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APPENDIX: Sunshine State Standards

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CS: Content Sampled Sunshine State Standards Benchmark
AA: Annually Assessed Sunshine State Standards Benchmark



Lesson 1 KOE Map

(Kissimmee-Okeechobee-Everglades)



Florida Sunshine State Standards

The Student:

sc.f.1.2.2 (CS)

knows how all animals depend on plants.

sc.g.1.2.1 (CS)

knows ways that plants, animals, and protists interact.

sc.g.2.2.2 (CS)

knows that the size of a population is dependent upon the available resources within its community.

sc.g.2.2.3 (CS)

understands that changes in the habitat of an organism may be beneficial or harmful.

sc.h.3.2.3

knows that before a group of people build something or try something new, they should determine how it may affect other people.

sc.h.3.2.4 (AA)

knows that through the use of science processes and knowledge, people can solve problems, make decisions, and form new ideas.

la.a.2.2.8

selects and uses a variety of appropriate reference materials, including multiple representations of information such as maps, charts, and photos, to gather information for research projects.

ss.a.1.2.1

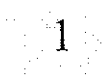
understands how individuals, ideas, decisions, and events can influence history.

ss.a.1.2.2

uses a variety of methods and sources to understand history (such as interpreting diaries, letters, newspapers; and reading maps and graphs) and knows the difference between primary and secondary sources.

ss.a.6.2.2

understands the influence of geography on the history of Florida.



Lesson 1 KOE Map



Florida Sunshine State Standards

The Student:

ss.a.6.2.4

understands the perspectives of diverse cultural, ethnic, and economic groups with regard to past and current events in Florida's history.

ss.b.1.2.1

uses maps, globes, charts, graphs, and other geographic tools including map keys and symbols to gather and interpret data and to draw conclusions about physical patterns.

ss.b.1.2.2

knows how regions are constructed according to physical and human criteria.

ss.b.2.2.3

understands how human activity affects the physical environment.

ss.b.2.2.4

understands how factors such as population growth, human migration, improved methods of transportation and communication, and economic development affect the use and conservation of natural resources.

LESSON 2 Marjory Stoneman Douglas

(Author of The Everglades: River of Grass)



Florida Sunshine State Standards

The Student:

sc.h.3.2.2 (AA)

knows that data are collected and interpreted in order to explain an event or concept.

sc.h.3.2.3 (AA)

knows that before a group of people build something or try something new, they should determine how it may affect other people.

sc.h.3.2.4 (AA)

knows that through the use of science processes and knowledge, people can solve problems, make decisions, and form new ideas.

la.a.2.2.1

reads text and determines the main idea or essential message, identifies relevant supporting details and facts, and arranges events in chronological order.

ss.a.1.2.1

understands how individuals, ideas, decisions, and events can influence history.

ss.a.6.2.2

understands the influence of geography on the history of Florida.

ss.b.2.2.2

understands how the physical environment supports and constrains human activities.

ss.b.2.2.3

understands how human activity affects the physical environment.

ss.b.2.2.4

understands how factors such as population growth, human migration, improved methods of transportation and communication, and economic development affect the use and conservation of natural resources.

Lesson 3 The Water Cycle



Florida Sunshine State Standards

The Student:

sc.a.1.2.2 (CS)

knows that common materials (e.g., water) can be changed from one state to another by heating and cooling.

sc.d.1.2.2 (AA)

knows that 75 percent of the surface of the Earth is covered by water.

sc.d.1.2.3 (CS)

knows that the water cycle is influenced by temperature, pressure, and the topography of the land.

LESSON 4 *We're Sponging Off the Everglades*



Florida Sunshine State Standards

The Student:

sc.h.1.2.2 (AA)

knows that a successful method to explore the natural world is to observe and record, and then analyze and communicate the results.

Lesson 5 Population Growth



Florida Sunshine State Standards

The Student:

sc.g.2.2.2 (CS)

knows that the size of a population is dependent upon the available resources within its community.

sc.g.2.2.3 (CS)

understands that changes in the habitat of an organism may be beneficial or harmful.

sc.h.3.2.3 (AA)

knows that before a group of people build something or try something new, they should determine how it may affect other people.

la.b.2.2.3

writes for a variety of occasions, audiences, and purposes.

Lesson 6 Food Chains and Food Webs



Florida Sunshine State Standards

The Student:

sc.b.1.2.1 (AA)

knows how to trace the flow of energy in a system (e.g., as in an ecosystem).

sc.b.2.2.1 (CS)

knows that some source of energy is needed for organisms to stay alive and grow.

sc.b.2.2.3 (AA)

understands that changes in the habitat of an organism may be beneficial or harmful.

sc.f.1.2.2 (CS)

knows how all animals depend on plants.

sc.g.1.2.3 (AA)

knows that green plants use carbon dioxide, water, and sunlight energy to turn minerals and nutrients into food for growth, maintenance, and reproduction.

sc.g.1.2.4 (CS)

knows that some organisms decompose dead plants and animals into simple minerals and nutrients for use by living things and thereby recycle matter.

sc.g.1.2.5 (CS)

knows that animals eat plants or other animals to acquire the energy they need for survival.

sc.g.1.2.6 (CS)

knows that organisms are growing, dying, and decaying and that new organisms are being produced from the materials of dead organisms.

sc.g.2.2.2 (CS)

knows that the size of a population is dependent upon the available resources within its community.

la.b.2.2.3

writes for a variety of occasions, audiences, and purposes.

Lesson 7 Bird Adaptations



Florida Sunshine State Standards

The Student:

sc.f.1.2.3 (AA)

knows that living things are different but share similar structures.

sc.g.1.2.2 (AA)

knows that living things compete in a climatic region with other living things and that structural adaptations make them fit for an environment.

sc.g.1.2.5 (CS)

knows that animals eat plants or other animals to acquire the energy they need for survival.

Lesson 8 Create a National Park



Florida Sunshine State Standards

The Student:

la.b.2.2.3

writes for a variety of occasions, audiences, and purposes.

la.c.3.2.3

speaks for specific occasions, audiences, and purposes, including conversations, discussions, projects, and informational or imaginative presentations.

la.c.3.2.5

participates as a contributor and occasionally acts as a leader in a group discussion.

ss.b.2.2

understands the interactions of people and the physical environment.

LESSON 9 Native/Exotic Species in the Everglades Student Activities



Florida Sunshine State Standards

The Student:

sc.g.1.2.2 (AA)

knows that living things compete in a climatic region with other living things and that structural adaptations make them fit for an environment.

sc.g.2.2.1 (AA)

knows that all living things must compete for Earth's limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations (traits) to their offspring.

la.b.2.2.3

writes for a variety of occasions, audiences, and purposes.

Lesson 10 Lightning and Fire Cycles in the Everglades



Florida Sunshine State Standards

The Student:

sc.g.1.2.2 (AA)

knows that living things compete in a climatic region with other living things and that structural adaptations make them fit for an environment.

sc.g.2.2.3 (CS)

understands that changes in the habitat of an organism may be beneficial or harmful.

sc.h.1.2.3

knows that to work collaboratively, all team members should be free to reach, explain, and justify their own individual conclusions.

la.a.1.2.4

clarifies understanding by rereading, self-correction, summarizing, checking other sources, and class or group discussion.

la.b.2.2.3

writes for a variety of occasions, audiences, and purposes.

la.d.2.2.5

understands that a variety of messages can be conveyed through mass media.

ss.b.2.2.3

understands how human activity affects the physical environment.

ss.b.2.2.4

understands how factors such as population growth, human migration, improved methods of transportation and communication, and economic development affect the use and conservation of natural resources.

Lesson 11 Endangered Species “Wanted - Alive”



Florida Sunshine State Standards

The Student:

sc.g.1.2.2 (AA)

knows that living things compete in a climatic region with other living things and that structural adaptations make them fit for an environment.

la.b.2.2.3

writes for a variety of occasions, audiences, and purposes.

ss.b.2.2.3

understands how human activity affects the physical environment.

ss.b.2.2.4

understands how factors such as population growth, human migration, improved methods of transportation and communication, and economic development affect the use and conservation of natural resources.

Lesson 12 Turtle Breath



Florida Sunshine State Standards

The Student:

sc.h.1.2.2 (AA)

knows that a successful method to explore the natural world is to observe and record, and then analyze and communicate the results.

sc.h.1.2.3

knows that to work collaboratively, all team members should be free to reach, explain, and justify their own individual conclusions.

sc.h.3.2.2 (AA)

knows that data are collected and interpreted in order to explain an event or concept.

sc.h.3.2.4 (AA)

knows that through the use of science processes and knowledge, people can solve problems, make decisions, and form new ideas.

la.b.2.2.3

writes for a variety of occasions, audiences, and purposes.

Lesson 13 Florida Post Cards



Florida Sunshine State Standards

The Student:

sc.g.1.2.7 (CS)

knows that variations in light, water, temperature, and soil content are largely responsible for the existence of different kinds of organisms and population densities in an ecosystem.

sc.g.2.2.3 (CS)

understands that changes in the habitat of an organism may be beneficial or harmful.

sc.h.3.2.3 (AA)

knows that before a group of people build something or try something new, they should determine how it may affect other people.

la.a.2.2.8

selects and uses a variety of appropriate reference materials, including multiple representations of information such as maps, charts, and photos, to gather information for research projects.

la.b.1.2.1

prepares for writing by recording thoughts, focusing on a central idea, grouping related ideas, and identifying the purpose for writing.

ss.b.2.2.4

understands how factors such as population growth, human migration, improved methods of transportation and communication, and economic development affect the use and conservation of natural resources.