

# EVERGLADES LESSONS AND NATURE OF SCIENCE

Have students use their 5 senses to observe the natural world around them, investigate a problem, keep records, and defend their conclusions with these Everglades lessons and resources!

## EVERGLADES LITERACY TEACHER TOOLKIT

- **Who Lives in the Everglades?**
  - Kindergarten SC.K.N.1.4
- **Classifying Everglades Animals and their Habitats**
  - 3rd Grade SC.3.N.1.4
- **Incredible Shrinking Habitat**
  - 5th Grade SC.5.N.2.1
- **Water Users in the Everglades**
  - 8th Grade SC.8.N.4.2
- **Our Changing Watershed**
  - 9th-12th Grade SC.912.N.4.1

## ADDITIONAL INSTRUCTIONAL RESOURCES

- **Everglades Swamp Symphony**
  - SC.K.N.1.4, SC.1.N.1.2
- **Odyssey Earth 360-Degree Videos and Field Observation Data Sheets**
  - SC.3.N.1.1, SC.3.N.1.2, SC.3.N.1.3, SC.4.N.1.1, SC.4.N.1.6
- **Everglades Backyard BioBlitz**
  - SC.3.N.1.3
- **Everglades Wildlife Watch**
  - SC.3.N.1.3, SC.3.N.1.6, SC.4.N.1.6, SC.912.N.1.6

# EVERGLADES LESSONS - EARTH & SPACE SCIENCE

Have students learn about Earth structures, natural resources, and water, and discover how the Everglades is the primary source of freshwater for people, plants, and animals in southern Florida with these Earth and Space Science resources!

## EVERGLADES LITERACY TEACHER TOOLKIT

- **Water For Us All**
  - **First Grade SC.1.E.6.2**
- **Kissimmee, Okeechobee, Everglades**
- **Florida's Limestone**
  - **6th Grade SC.6.E.6.2**
- **Functions of Everglades Wetlands**
- **Everglades and Aquifers**
- **Groundwater Pollution**
  - **7th Grade SC.7.E.6.6**
- **Parallels, Survival**
  - **9th-12th Grade SC.912.E.6.4**

## ADDITIONAL INSTRUCTIONAL RESOURCES

- **If I Had a Wish For Water Extension**
  - **SC.1.E.6.2**
- **Florida Aquifers and Springs Odyssey  
Earth Video and Worksheet**
  - **SC.7.E.6.6**
- **Changes to the Everglades Watershed**
  - **SC.6.E.6.2**
- **Peat and Marl Soils**
  - **SC.6.E.6.1, SC.7.E.6.2, SC.7.E.6.6**
- **Water Quality Testing Activity**
  - **SC.6.E.6.6**

# EVERGLADES LESSONS - EARTH & SPACE SCIENCE

Have students learn about Earth structures, natural resources, and water, and discover how the Everglades is the primary source of freshwater for people, plants, and animals in southern Florida with these Earth and Space Science resources!

## EVERGLADES LITERACY TEACHER TOOLKIT

- **1st Grade, SC.1.E.6.2**
  - Water For Us All
- **6th Grade, SC.6.E.6.2**
  - Kissimmee, Okeechobee, Everglades
  - Florida's Limestone
- **7th Grade, SC.7.E.6.6**
  - Functions of Everglades Wetlands
  - Everglades and Aquifers
  - Groundwater Pollution
- **High School Lessons, SC.912.E.6.4**
  - Parallels
  - Survival

## ADDITIONAL INSTRUCTIONAL RESOURCES

- **If I Had a Wish For Water Extension**
  - SC.1.E.6.2
- **Florida Aquifers and Springs Odyssey Earth Video**
  - SC.7.E.6.6
- **Changes to the Everglades Watershed Video and Worksheet**
  - SC.6.E.6.2
- **Peat and Marl Soils Activity**
  - SC.6.E.6.1, SC.7.E.6.2, SC.7.E.6.6
- **Water Quality Testing Activity**
  - SC.6.E.6.6

# EVERGLADES LESSONS - PHYSICAL SCIENCE

Have students learn about matter, physical and chemical changes, water forms, objects in motion, and electrical energy with these Everglades additional instructional resources!

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## ADDITIONAL INSTRUCTIONAL RESOURCES

- **Build an Airboat at Home STEM Activity**
  - **Students will learn how an airboat works and use the engineering design process to design and build an airboat out of recycled materials.**
    - **SC.4.P.10.2, SC.4.P.10.4, SC.4.P.12.1, SC.5.P.13.3, SC.5.P.13.4**
- **How is an Egg like a Pig Frog?**
  - **Conduct an experiment with your students after learning about pig frogs and indicator species of the Everglades to see how their skin is semi-permeable.**
    - **SC.4.L.17.4, SC.5.L.15.1, SC.5.L.17.1, SC.6.N.1.5, SC.8.P.9.2**
- **Water Quality Testing Activity**
  - **Students will observe and describe water forms and use basic chemistry to evaluate the water quality of local sources.**
    - **SC.8.P.8.1**

# Everglades Lessons - K-5 Life Science

Students will discover the organization and development of living things in the Everglades, how changes in the environment can affect their survival, organism life cycles, and interdependence between plants, animals, and humans.

## EVERGLADES LITERACY TEACHER TOOLKIT™ K-2

- **Kindergarten**
  - What is the Everglades? - SC.K.L.14.3
  - Everglades Animals - SC.K.L.14.3
- **1st Grade**
  - Everglades Animal Exploration - SC.1.L.14.1
  - The Everglades - Florida's Treasure - SC.1.L.17.1
  - Water For Us All - SC.1.L.17.1
- **2nd Grade**
  - Don't Feed the Gators - SC.2.L.17.1, SC.2.L.17.2
  - Everglades Seasons - SC.2.L.17.1, SC.2.L.17.2
  - Wet Season - Dry Season: Fish Relay - SC.2.L.17.2

## EVERGLADES LITERACY TEACHER TOOLKIT™ 3-5

- **3rd Grade**
  - Classifying Everglades Animals and Their Habitats - SC.3.L.15.1
  - Classifying Everglades Plants and Their Habitats - SC.3.L.15.2
  - Hurry for a Habitat! - SC.3.L.15.1
- **4th Grade**
  - Everglades Food Chains - SC.4.L.17.3, SC.4.L.17.4
  - Wanted Alive! - SC.4.L.17.4
  - I'm in Big Trouble - SC.4.L.17.4
- **5th Grade**
  - Incredible Shrinking Habitat - SC.5.L.15.1
  - Invasive Species - SC.5.L.15.1
  - Fishy Business - SC.5.L.17.1

# Everglades Lessons - 6-12 Life Science

Students will discover the organization and development of living things in the Everglades, how changes in the environment can affect their survival, organism life cycles, and interdependence between plants, animals, and humans.

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## EVERGLADES LITERACY TEACHER TOOLKIT™ 6-12

- **7th Grade - Groundwater Pollution - SC.7.L.17.3**
- **9th - 12th Grade - Heart of a Watershed - SC.912.L.17.16, SC.912.L.17.8**
- **9th - 12th Grade - Living on the Edge - SC.912.L.17.7, SC.912.L.17.12**
- **9th - 12th Grade - Crossing Lines - SC.912.L.17.7**
- **9th - 12th Grade - Tragedy of the Commons - SC.912.L.17.11**
- **9th - 12th Grade - A Question of Quantity - SC.912.L.17.7, SC.912.L.17.2**
- **9th - 12th Grade - A Question of Quality - SC.912.L.17.17, SC.912.L.17.16**
- **9th - 12th Grade - Everglades Restoration - SC.912.L.17.11, SC.912.L.17.12, SC.912.L.17.16**
- **9th - 12th Grade - Our Changing Watershed - SC.912.L.17.16, SC.912.L.17.17**
- **9th - 12th Grade - A Look at CERP - SC.912.L.17.16, SC.912.L.17.17, SC.912.L.17.18**