

Grade	Lesson Number	Title of Lesson
Theme		Summary of Lesson
<p>Kindergarten</p> <p>What is the Everglades? A special home for animals and plants.</p>	1	<p>What is the Everglades</p> <p>Students will be introduced to the Everglades, learning about this special place for plants and animals that is unlike anywhere else on Earth. They will watch a presentation on some of the animals and plants that are there and start working on their Everglades Class Book.</p>
	2	<p>Everglades Animals</p> <p>Students will revisit the Everglades discussing the similarities and differences between some of the animals that live there. They will also be working on their Everglades Class Book.</p>
	3	<p>Who Lives in the Everglades</p> <p>Students will review some of the animals that live in the Everglades by looking at an interactive presentation. They will also do a sorting activity of animals that live in Florida and that do not live in Florida.</p>
<p>1st Grade</p> <p>The Everglades is a treasure. The importance of water to the plants/animals that live in the Everglades.</p>	1	<p>The Everglades - Florida's Treasure</p> <p>Students will be introduced to the relationships between the wildlife and plants that live in different habitats of the Everglades. They will sort cards of plants and animals that live in each habitat.</p>
	2	<p>Everglades Animal Hunt</p> <p>Students will learn that animals communicate through their senses. The students will use their knowledge and imagination to vocally and/or physically imitate wildlife of the Everglades.</p>
	3	<p>Water For Us All</p> <p>Students will look at the different places water comes from and the different ways humans use water. They will label different water bodies and match pictures of human and animal uses of water.</p>
<p>2nd Grade</p> <p>Alligators/wildlife in Everglades/wet and dry seasons</p>	1	<p>Don't Feed the Gators!</p> <p>Students will read a book on the importance of alligators and will listen to a short play which demonstrates the dangers of feeding wild animals.</p>
	2	<p>Everglades Season</p> <p>Students will act out an "alligator hole ecodrama" occurring during the dry season. Each student will play a role of an animal that depends on the alligator hole.</p>
	3	<p>Fish Relay</p> <p>Students will run a relay race imitating parent birds feeding their babies; one team during the wet season, the second team during the dry season.</p>



<p>3rd Grade</p> <p>Everglades habitats/food chains</p>	<p>1</p>	<p>Finding Home: Everglades Habitats</p> <p>Students will learn about and become familiar with the different habitats of the Everglades and the flora and fauna found in each one.</p>
	<p>2</p>	<p>Hurry For a Habitat</p> <p>Students will use a relay race activity to reinforce knowledge gained in lesson one: the different habitats of the Everglades and the flora and fauna found in each one.</p>
	<p>3</p>	<p>Food Chain Gang</p> <p>Students will learn about specific Everglades producers, consumers, and food chains by role-playing.</p>
<p>4th Grade</p> <p>Humans use can cause issues for the Everglades</p>	<p>1</p>	<p>Studying Pig Frogs</p> <p>Students first watch a video segment about a Florida Everglades scientist who studies pig frogs and then read a written text about the Everglades.</p>
	<p>2</p>	<p>I'm In Big Trouble!</p> <p>Students will play a game which demonstrates how animal populations can be negatively impacted by humans.</p>
	<p>3</p>	<p>Wanted - Alive!</p> <p>Students will learn about the endangered animal and plant species in the Everglades. Students will also create a poster on an endangered species.</p>
<p>5th Grade</p> <p>Loss of habitat and exotic species</p>	<p>1</p>	<p>Incredible Shrinking Habitat</p> <p>Students will become panthers, deer and motor vehicles in an active tag-like game to simulate the disappearance of Everglades habitat.</p>
	<p>2</p>	<p>Go Back Home</p> <p>Students will play an active game depicting the interactions in a habitat and the problems that occur with exotic species introduction.</p>
	<p>3</p>	<p>Fishy Business</p> <p>Students will examine the effect of exotic species on an ecosystem by role-playing both a healthy food chain and one that has been impacted by an exotic species.</p>
<p>6th Grade</p> <p>Watershed and geology</p>	<p>1</p>	<p>KOE Watershed</p> <p>Students will be able to find locations and waterways pertinent to the Kissimmee-Okeechobee-Everglades watershed on a map after watching a video, and reading a story.</p>
	<p>2</p>	<p>A Drop in the Bucket</p> <p>Students will recognize the concern for water quantity and water flow to the Everglades through a demonstration and activity.</p>
	<p>3</p>	<p>Florida's Limestone – Tums for Our Water and Soil</p> <p>Students will conduct a controlled experiment to determine the effect Florida's limestone has on the pH levels of Florida's water and soil. Students will compare limestone's effect to that of other rocks and minerals found naturally in Florida.</p>



<p>7th Grade</p> <p>Wetlands/groudwater/ aquifers</p>	<p>1</p>	<p>Discovering What Wetlands Do</p> <p>Using a model, students will learn about how wetlands function and why it is important to protect them. They will then be presented with a selection of objects to investigate as metaphors for the natural functions of wetlands.</p>
	<p>2</p>	<p>Building an Artesian Aquifer and Well</p> <p>Students construct a model of an artesian aquifer and observe what causes water levels in wells to rise above the aquifer. They will then discuss why aquifers are important to our daily lives and how this relates to the Everglades.</p>
	<p>3</p>	<p>Groundwater Pollution Experiment</p> <p>Students will use the model from the previous lesson to discuss pollution and the effects that pollution can have on the Everglades.</p>
<p>8th Grade</p> <p>Human use of the Everglades</p>	<p>1</p>	<p>Sponging Off the Everglades</p> <p>Students will participate in an activity demonstrating how water from the Everglades is used by humans in different capacities. The students will focus on ways to conserve water and discuss why water conservation is important to the Everglades. They will make an informational brochure on these topics.</p>
	<p>2</p>	<p>Threats to the Everglades</p> <p>Students will evaluate different benefits that the Everglades provide to humans. They will also look at some of the threats that impact the Everglades which are endangering different plants/animals and ultimately us.</p>
	<p>3</p>	<p>Water Ethics</p> <p>Students will be given different “water dilemmas” regarding the Everglades. They will be tasked with identifying, analyzing and selecting what action they would take related to these water dilemmas.</p>
<p>9th Grade</p> <p>Environmental factors of the Everglades</p>	<p>1</p>	<p>The Heart of the Watershed</p> <p>As a class, students build a model landscape to illustrate the uniqueness of the Kissimmee-Lake Okeechobee-Everglades (K-O-E) watershed and use the model to demonstrate how alterations have affected it.</p>
	<p>2</p>	<p>Parallels</p> <p>Students trace the latitude of the Everglades and different locations around the world, comparing the weather, climate, and other environmental factors of the watershed with those of other land masses on or near the 28th parallel.</p>
	<p>3</p>	<p>Survival</p> <p>Students will learn about the Everglades ecosystems as they “travel” through the plant communities of the Everglades watershed.</p>



<p>10th Grade</p> <p>Adaptations in Everglades ecosystems</p>	<p>1</p>	<p>Living On The Edge</p> <p>Students gather information about different species of mangroves and the ways in which they are adapted to live at the edge of the sea. Students construct models to demonstrate how mangroves help protect shorelines and contribute to the growth of the peninsula.</p>
	<p>2</p>	<p>Design The Perfect Beast</p> <p>Students become “Bioengineers” and use the engineering process to design a “perfect beast” that is adapted to a specific Everglades ecosystem.</p>
	<p>3</p>	<p>Crossing Lines</p> <p>Students learn about the concepts of “ecotone” and “edge effect” and create a Venn Diagram to represent organisms in an ecotone.</p>
<p>11th Grade</p> <p>Water use and society</p>	<p>1</p>	<p>Tragedy of the Common</p> <p>Through a simulation students explore how the common usage of a potentially renewable resource can lead to its exploitation. Students will complete an activity, a data sheet, an analysis of the data, and a comparison of this problem to Florida’s water resource.</p>
	<p>2</p>	<p>A Question Of Quantity</p> <p>Students will look at a typical water conservation plan and analyze it from the viewpoint of various stakeholders.</p>
	<p>3</p>	<p>A Question of Quality</p> <p>Students will learn about water quality management on the Everglades and will analyze sample data from a Stormwater Treatment Area.</p>
<p>12th Grade</p> <p>Everglades restoration</p>	<p>1</p>	<p>Everglades Restoration</p> <p>Students explore the costs and environmental impacts of land development and restoration.</p>
	<p>2</p>	<p>In the Year 2030</p> <p>Students will read a passage from Marjory Stoneman Douglas’s The Everglades: The River of Grass and compare the description with the present day Everglades. They will then look at the impacts from the US Army Corps of Engineers project and evaluate whether the Comprehensive Everglades Restoration Plan (CERP) addresses these issues.</p>
	<p>3</p>	<p>A Look At CERP</p> <p>Students will analyze information about various current and ongoing CERP projects and report on the progress that is being made.</p>

