

**Augusta Canal National Heritage Area  
Kindergarten Science Lesson Plans**

Standards:

**GA:**

SKCS1. Students will be aware of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works. a. Raise questions about the world around you and be willing to seek answers to some of the questions by making careful observations (5 senses) and trying things out.

SKCS3. Students will use tools and instruments for observing, measuring, and manipulating objects in scientific activities.

SKL1. Students will sort living organisms and non-living materials into groups by observable physical attributes.

SKL2. Students will compare the similarities and differences in groups of organisms.

**SC:**

K-1: The student will demonstrate an understanding of scientific inquiry, including the processes, skills, and mathematical thinking necessary to conduct a simple scientific investigation

K-1.1 Identify observed objects or events by using the senses.

K-1.3 Predict and explain information or events based on observation or previous experience

K-2..1 Recognize what organisms need to stay alive (including air, water, food, and shelter).

K-2.2 Identify examples of organisms and nonliving things.

K-2.4 Compare individual examples of a particular type of plant or animal to determine that there are differences among individuals.

K-3.2 Identify the functions of the sensory organs (including the eyes, nose, ears, tongue, and skin).

K-4.3 Summarize ways that the seasons affect plants and animals

Essential Question(s):

1. What parts of my body do I use to explore nature?
2. How do plants and animals need each other?
3. What makes plants and animals different and similar?

Objectives:

Students will be able to differentiate between plants and animals based on appearance.

SWBAT observe plants up close and study their differences.

SWBAT explain what plants and animals need to survive.

Plan for Field Trip:

1. Students will explore the plants and animals living in the Augusta Canal woodland and aquatic habitats as they ride on a Petersburg Boat.
2. Students will explore plants and animals through discovery centers in the Cotton Room classroom,. These activities will include labeling plant parts, observing plant cells through microscopes, observing animal skulls and animal life cycles.
3. Students will participate in an interactive power point presentation on habitat including the basic needs of plants and animals.
4. Students will match animal pictures and names with appropriate stickers in a habitat picture.
5. Students will answer questions throughout the learning experience to facilitate understanding and reinforce knowledge & standards.
6. Students will participate in pre-visit and post visit activities in the school classroom to reinforce concepts.(activities provided)

Timeline:

Boat ride: 45 minutes

Discovery Learning Stations (Cotton Room): 10 minutes

Habitat PowerPoint -10 minutes

Canal Critters Hunt: -10 minutes

Materials:-

Copies of vocabulary list, "Animal Name" and "5 Senses" matching work sheets as pre-visit activities.

-Augusta Canal Critters Scavenger Hunt with pictures of animals to hide during visit.

-.Jiffy scopes, plant and animal displays, computer and power point presentation.

-Venn diagram to understand differences in plants and animals, for post visit activity.

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Assessment:

Students will show what they learned by talking 5-10 minutes at the end of the field trip and will complete post visit activity. Ongoing assessment will take place throughout the course of the field trip with questions and activities, as well as the results of the worksheets.  
Venn diagram –plants and animals basic needs.