

OSP Interactive Educational Programming

Lesson Title: What's in the Water?		Grade Level: 1st
Teacher: Kathi Murray		Duration:50 minutes
Essential Question(s)/Objective(s): Can you tell if something living? Can you tell if something is non-living? Do you know how to use magnifying glasses? What do plants need to stay alive? What do animals need to stay alive? Can you work carefully in a group?		
Science Georgia Standards of Excellence S1L1. Obtain, evaluate, and communicate information about the basic need of plants and animals. b. Ask questions to compare and contrast the basic needs of plants (air, water, light, and nutrients) and animals (air, water, food, and shelter). c. Design a solution to ensure that a plant or animal has all of its needs met.		
Key Vocabulary	Living, Biotic, Non-Living, Abiotic, Magnify, Observe, Identify, Basic needs, Plants, Animals	
Teacher Materials	Goldfish bowls or aquarium with visible organisms like minnows, tadpoles, duckweed, water plants, dirt, floating wood, etc.	
Student Materials	Magnifying glasses, pencils, drawing paper	
Teaching Strategy/Procedures	Allow the students to walk around and observe the different samples. Get the students together and let them discuss what they observed. How are they similar? How are they different? Give them magnifying glasses and let them go around and look a second time. Get them together and let them discuss what they observed. How are they similar? How are they different? Have the students draw a picture of one of the plants or animals circling the items the plant or animal needs to stay alive.	
Differentiation	Allow the students to observe the samples one at a time. Have terrestrial organisms instead. Grasshoppers, crickets, beetles with dirt, grass, water, twigs	

Summarizing Strategy	Explain that the plants and animals are living organisms and the dirt, water, and dead wood are non-living.
Assignment(s)	Have the students come up with 3 other living organisms and 3 non-living objects.
Assessment For and/or Of Learning	Whose question is it game (teacher chooses a student to pick another student who will take the teacher's first question...for example, John who would you like to take my first question...John says Sally...teacher asks Sally, is a spider non-living or living...Sally says living...teacher says correct, Sally who would you like to take my next question... Is it living or non-living activity.