

# Lesson Plan - Week Jan 14, 2019

DATE

1/14/2019

TOPIC

WALKING WATER EXPERIMENT

INSTRUCTOR


MS. KRISTY

OVERVIEW/PURPOSE

PERFORM A SCIENCE WATER EXPERIMENT

STANDARDS ADDRESSED

ATTRACTIVE FORCES

Objectives: (Skills/information that will be learned)	<ul style="list-style-type: none"> <li>➤ Learn about attractive forces</li> <li>➤ Understand the capillary action process</li> <li>➤ Perform the water science experiment</li> </ul>	<p><u>MATERIALS NEEDED:</u></p> <ul style="list-style-type: none"> <li>➤ Small plastic cups</li> <li>➤ Paper towels</li> <li>➤ Food coloring</li> <li>➤ Water</li> </ul> 
Information: (Demonstration or lesson details)	The water moves up the paper towels through a process called capillary action. The paper towel is made from fibers where water is able to travel through the gaps in the fibers. The gaps in the paper towel act like capillary tubes and pull the water upward.	
Activity: (Activity/demonstration to reinforce lesson)	The instructor will give a brief overview of key concepts and guide students to perform the walking water experiment. Students will make predictions, make scientific observations, and fill out the water recording sheets.	
Verification: (Students understand the lesson objectives)	<ol style="list-style-type: none"> <li>1. What do you think will happen to the water?</li> <li>2. Why do you think the colors are changing?</li> <li>3. Why might the water be able to move up against gravity like that?</li> </ol>	
Summary: (Expected Observations)	The water is able to move upward against gravity because of the attractive forces between the water and the fibers in the paper towel. This is what helps water climb from a plant's roots to the leaves at the top of the plant or tree.	

Additional Notes:  
Cohesion (water attracting water)  
Adhesion ( other objects attracting water)