



UNIT 3: WIND AND WATER / WEEK 2

Let's Find Out About It

Sink and Float

Standard Connection:

ELA.W.PK4.8

ELA.RI.PK4.1

M.MD.PK4.1

S.PS.PK4.2

S.PS.PK4.4b

PD.SHS.PK4.5

Enduring Understanding(s):

- Gathering information helps us make decisions.

Essential Question(s):

- How do living things gather information that will be useful to them and others?

Materials		Vocabulary	Books
<ul style="list-style-type: none"> <i>Gilberto and the Wind</i> variety of materials for testing buoyancy clear plastic bin or bucket chart paper 	<ul style="list-style-type: none"> marker sample child's sailboat sample child's clay boat 	<p>sink: go underwater</p> <p>float: stay on top of water</p> <p>buoyant /boy-uhnt/: how well something floats</p>	

Let's Find Out About It:

Preparation: Draw a grid on the chart paper with two columns, one for 'sink' and one for 'float'. Make a row with a quick illustration for each material that will be tested. Fill clear plastic bin with 4-5 inches of water. Set up materials at the whole group meeting area.

"In <i>Gilberto and the Wind</i> , the wind blew Gilberto's sailboat."	Show illustration.
"You sailed boats in Science."	Show child's sailboat and clay boat.
"It is important for boats to float near the top of the water - if a boat starts to sink or go down into the water, it will get too wet, and it won't be able to move. If there are people on the boat, they might get wet."	Demonstrate floating child's sailboat in a bin with water. Guide children to see how it is floating on the top or near the top of the water.
"Today, we will conduct an experiment to find out if materials sink or float when we put them in water. Remember, float means something stays near the top of the water. Buoyant means something floats very easily. Sink means when something goes down under the water."	Show sample materials. Point to the chart paper.
"We will record our results on chart paper. First, we will test ____."	
"How does it feel? What do you notice?"	Pass item around the circle and let children feel it. Children respond.
"Do you think it will sink or float when we put it in the water?"	Children respond.
"Why do you think the _____ sank/floated ?"	Children respond.
"I will record our results on our chart paper."	Place a check or tally mark in the box on the chart paper that corresponds to the material and whether it sank or floated. Continue until all materials have been tested.