

# Using Nature to Meet Educational Standards

## **SCIENCE**

### **Kindergarten**

#### Activity #1:

Materials: buckets of water (provided), a sheet of paper and pencil/pen (one per group).

What does it mean to sink? What does it mean to float? Are there any objects that do not sink, but do not float on top of the water?

#### Outside

Head outside and find 3 natural objects from the outdoor classroom or school grounds. Examples include, but are not limited to, leaves, rocks or pebbles, sticks, pieces of mulch, etc.

Meet together as a group at the four dish pans filled with water.

Have one person present his or her object to the others and make a prediction as to whether it will sink or float ("This is a twig I found under the bush. I think it will sink."). Then, he or she should toss it in the container of water. Were they correct?

Have someone keep track on a piece of paper what items sank and what items floated.

Proceed to the next person who will do the same procedure. Take turns making predictions and testing your hypothesis. Be sure to record all items and whether they sank or floated.

When you are done, remove all the items from the water and put them back in the outdoor classroom where you found them. Dump out the water.

#### Inside

Head back inside and look at your data that you recorded on your sheet. How many items floated? How many items sank?

Work together to make a chart of your data.

<b>SANK</b>	<b>FLOATED</b>
pebble	maple leaf
large stick	small twig
	piece of grass

Work together to make a simple bar graph of your data.