

“In the Water”

Module 13, Warm-Up

The logo for "EXPLORE IT" is enclosed in a black rectangular border. The word "EXPLORE" is in a bold, sans-serif font, with the letter "O" highlighted in green and the letter "R" in purple. The word "IT" is in a smaller, regular sans-serif font.

Prompt:

Place different materials in water to explore whether they sink or float.

Materials:

- A large bowl, plastic bin, or bathtub with water
- Materials to test, such as items from nature (leaves, pinecones, grass, stones), plastic toys or figurines, aluminum foil, wax paper, orange, banana, plastic and/or metal spoons, etc.
- *Optional: Plastic tablecloth or a tray to contain any water*
- *Optional: Explorer Notebook*

Instructions:

1. Ask a grown-up to help you set up a station for your bowl or water and materials. This activity can be done inside (you might want to cover the surface you are working on with a plastic tablecloth or a tray) or outside (with a grown-up's permission).
2. Gather materials to test.
3. Lay out the materials next to your bowl and separate them into two piles, one pile for materials you think will float and the other pile for materials you think will sink.
4. Test each material by placing it into the water. See what it does!
5. Rearrange your piles (things that float and things that sink) based on what you learn.

For explorers using an Explorer Notebook:

1. Keep track of which materials sink and float.

Check out the last page for a page design idea. You can use this or set up your page however you want!

Extensions:

The following are optional steps you can take if you want to extend this adventure:

1. Pick three materials that float and three that sink. Put them out and have someone at home guess which they think will float and sink and have them test it out.
2. An orange will sink if it is peeled and float if it is not peeled. Are there any other materials that you can change the properties or shape of to make it sink or float instead?
3. Go to the "In the Water" topic on Flipgrid and share something that you learned.

Explorer Notebook

You can use this to help you set up your Explorer Notebook!

Sinking and Floating Module 13, Warm-Up

Things that sink:	Things that float:
-	-
-	-
-	-
-	-
-	-
-	-

The thing that sank that surprised me most was _____.

The thing that floated that surprised me most was _____.