

Easter Egg Sink or Float Experiment

This is a fun Easter twist on a classic science experiment and helps students to understand density.

Before beginning the experiment show students an empty plastic egg and ask whether they think it will sink or float. If your plastic egg has any holes in it, place tape over the holes to prevent the water from seeping inside the egg. Place the egg in the bowl of water and show students that it floats.



Next, explain to students that you are going to put various objects inside the eggs to see if they affect whether the egg floats or sinks.

Fill different colored eggs with heavy and light objects (jelly beans, feathers, Easter Peep, rocks, magnetic letters, sand, play dough, Legos, etc.). Be sure to put enough of the heavier objects inside the egg to make it sink. Show the








students the eggs and what is going inside each one. Here are the objects students wished to test:



Put tape on any holes and around the crack in the middle to prevent water from getting inside and affecting the results.



Prior to testing the eggs I allowed students to pick up and observe the eggs. Then, I had them record their sink or float predictions. I have them draw the eggs either floating on top of the water or sunk to the bottom because having them draw the eggs in the bowl helps them understand the difference between what it means to sink or float. The Pic Collage app allowed them to be able to insert actual photos of the objects and eggs.

Item or Egg	Prediction
<p>yellow</p> 	
<p>pink</p> 	
<p>purple</p> 	
<p>blue</p> <p>VKI</p>	

- Place each egg in the bowl one at a time to see whether they sink or float.



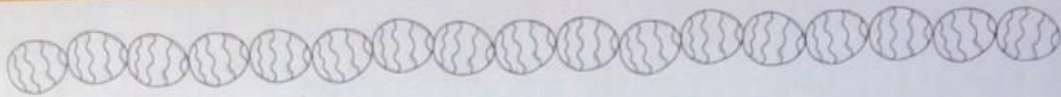















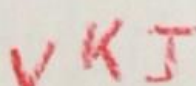


We recorded the results and then had a discussion about density.

Whether an object sinks or floats depends on the object's density. If the object is less dense than water it will float. Density is how tightly packed the material is inside the object which is why changing the inside of the eggs affected the results.



Name Scott

Easter Egg Sink or Float

Item or Egg	Prediction	Result
yellow 		
pink 		
purple 		
blue VKJ 		

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