



STEM FAMILY ACTIVITIES

for independent learning



SINK OR FLOAT



Activity:	Optional Technology Connections:
<p>1. Gather small items around your house that you think might sink or float when put in water. Make sure the items won't be ruined if put in water. Examples of items to collect: paper clip, pencil, penny, bouncy ball, rubber band, crayon, rock, leaf, bottle cap, etc.</p>	<p>Read-aloud of the book "Who Sank the Boat?" tinyurl.com/boatsank</p> 
<p>2. Get a large bowl and have an adult help you fill it with water. Before putting each object in the water, make a PREDICTION: Will the object sink or float? Now TEST each object by placing it carefully, one at a time, on top of the water. Record the RESULTS: The object sank, or it floated.</p>	<p>Play this online game: tinyurl.com/gamesinnkorfloat</p> <p>Use this information to log in to BrainPopJr: Username: FCSSscience Password: FCSSscience20</p> 
<p>3. Were your predictions correct? Look at the objects that floated – What did these objects have in common? What was similar about the objects that sank? What questions do you have about the experiment?</p>	<p>Watch this video to understand why some things sink and some float. tinyurl.com/scishowsink</p>
<p>5. Build a boat that floats! Each family member will design and create a boat using a piece of foil. Test each boat in the large bowl of water. For some additional fun, have a competition to see how many pennies each boat can hold. The boat that holds the most pennies is the winner. Can you redesign your boat so that it holds more pennies the second time you test it?</p>	<p>Try this: Build a boat from paper tinyurl.com/boatofpaper</p> 

Optional: Go to this link to print a "STEM journal" to record your observations and questions.
tinyurl.com/STEMjournal6



fresno county
superintendent of schools

For more resources or support, contact
Jon Dueck, FCSS STEM Direction – jdueck@fcoe.org
or visit our website: stem.fcoe.org