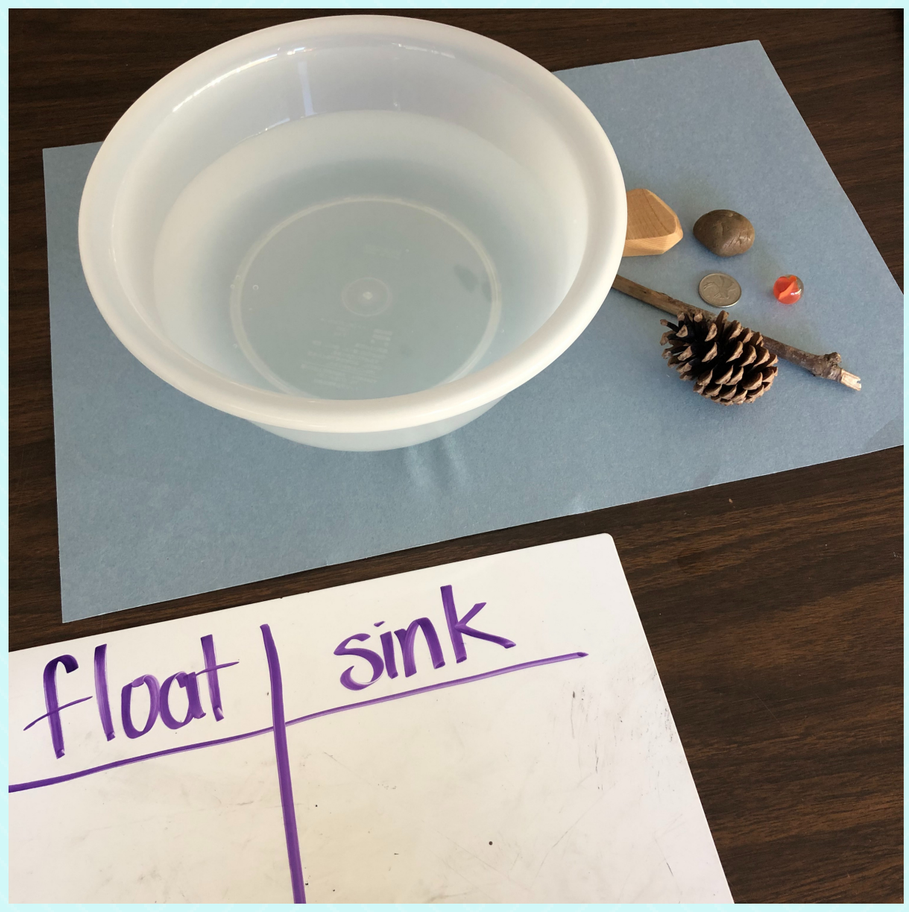
Intermediate Math & Science Project

This week we are going to be thinking about buoyancy and water displacement as we do an engineering design challenge and other investigations. We will record our observations and data.



Choose some items that you could put in water (check with an adult). Use a sink or container of water. Predict which items will sink and which will float. Test each item and record whether it floats or sinks. As an item sinks, what do you notice about the water level? Test your thinking with a larger item for your observations to be more clear.

Make a paper boat out of paper. Test your boat in water - find a puddle or a shoreline, or fill up a sink or tub with a small amount of water. Does it float? Can you make it move? What adjustments might you make so that if floats more successfully such as changing the shape or adding weight?

Use a piece of aluminum foil to make a boat. Look at some pictures of boats and think about what tpe of design and shape you will use. Float your boat on water and see how many coins it will hold. Make adjustments to your boat to see if you can get it to hold more. Record your findings.What is the greatest value of coins you can get your boat to hold?

At the end of the week, put all your project work together on one page to submit to your teacher.

RICHMOND
SCHOOL DISTRICT NO.38

Transitional Learning
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