

## The Science of Flinking

**Flinking: when an object floats *below* the water's surface.**

**The challenge:** Students will experiment with creating something that can flink. It needs to remain in this state for at least 30 seconds. The idea of this experiment is to do a hands-on inquiry into how we can use what we already know about the topics of floating and sinking to apply these concepts and develop something that can flink.

### **Necessary materials:**

-1 large container, at least 6-8 inches deep. The deeper the container, the easier the challenge.

-Water to fill the container approximately  $\frac{3}{4}$  of the way to the top.

### **Optional materials:**

-Any household objects that you do not mind putting in water. DO NOT use items that you do not want to be immersed in water or that may become damaged if exposed to water.

\*\*\* Suggestions include plastic bags, paper clips, binder clips, styrofoam, aluminum foil, elastics, coins, plastic toys, clay, playdoh, tacks, etc. There are no wrong materials to choose for this experiment and endless ways to complete this challenge. \*\*\*

We will be using the scientific method to develop and test hypotheses, gather information and discuss conclusions based on the outcomes of our experiment 😊

**Please prepare your materials in advance of Friday's lesson! If you have your tank of water and your materials on hand, we can spend less time setting up and more time doing our hands-on inquiry!**