



Simple Science Shelf



Let's explore sinking and floating



Float



sink

Materials Needed: Tub or bucket filled with water, things that sink(coins, stones, keys, toy car, metal utensils) , things that float (lego, stick, foam shapes, crayon, rubber band), other items-let the kids find things to test

Directions:

1. Fill a tub or bucket with water.
2. Gather various items from inside and outside the house.
3. Test the items out one at a time to see if they sink or float.

Science: By exploring with various materials, children learn the scientific process. They form questions about why something happens, and test out their own ideas. Plus they have fun doing it!!! We know that items **sink or float** based on their density. **Density** is determined by how close or far apart molecules are within an item. Molecules are tiny and only visible by a microscope.

???Questions to Ponder???

Can you predict if an item will sink or float?

Why did it float?

Why did it sink?

Is there anything the same about the objects that float?

What would happen if I put food coloring in the water as I tested things?