Hello friends! Here is an fun science activity to try. Let's play Sink or Float!!!

Materials:

Watertight bin, pot, or bowl (you can play in the bathtub too)

Various household items, (examples include):

Cork	Plastic ball	Rubber duck
Lego piece	Sponge	Paper clip
Button	Small shell/pebble	Bolt/washer (hardware)

How to play:

Fill bin about ½ way with water.

Might be a good idea to put a towel underneath or play outside, or in a bathtub.

Make a hypothesis *(an idea or explanation you can test through study and/or experimentation)*.

Ask child to guess what the item will do…sink (go to the bottom) or float (stay on top).

Test your hypothesis. Place item gently in water.

Observe what happens. Did it sink or float?

Sink or Float?

Name: _____

Object	What do you think will happen?		What actually happened?	
	Sink	Float	Sink	Float

Further questions to explore:

Did more items sink or float?

Why did some items sink/float?

What would happen if we put _____ in? (play a guessing game)

Want to take it to the next level? Make a chart showing what sank/floated.

Here's the science behind the experiment.

Whether an object sinks or floats depends on its density. Everything is made of molecules.

Molecules are tiny particles that can only be seen with a microscope.

Some objects have molecules that are packed closely together.

Others have molecules that are packed more loosely. This is density.

Objects with tightly packed molecules are denser and sink.