



SALTY WATER

At Home Edition - #MCMAtHome

What is density?

- Density is how much space an object takes up in relation to its mass.
- If an object is heavy and compact, it has a high density.
- If an object is light and compact, it has a low density.

What do we know about floating?

- Can you float? Is it easy or hard?
- What is it like to float in the ocean? What is different about an ocean?

What do we know about salty water?

- Salt water makes objects float better.
- Objects that are less dense than water float.
- Objects that are more dense than water sink.
- Salt adds to the mass of water allowing denser objects to float!

Let's explore density and floating!

Follow the instructions below to test whether salt water helps objects float.

Set Up:

- Get two big bowls or tubs of water. You may do this in your sink as well.
- Fill one bowl with regular water.
- Fill another bowl with regular water and a lot of salt. To see whether your water is salty enough test it with eggs. The egg will sink in regular water but should float in the salty water.

Experiment:

- Gather all sorts of objects from around your home.
- Let your family members gather objects they're curious about!
- Make predictions about whether objects will float or sink.

Want more? Check out our [Experimenting with Sound](#) activity sheet for exciting ways to play with sound! Be sure to take pictures or videos and tag #MCMAtHome