

Schedule for Week of April 6th

States of Matter

Monday: 2-2:45pm recommended grades 2-5

Things that Float and Things That Don't

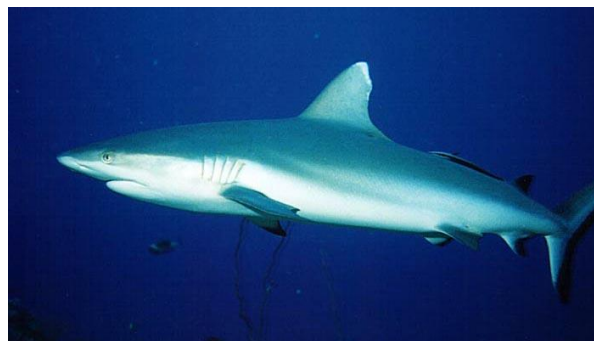
In this class we'll discuss density and its effect on floating objects. We'll make a density column and model how density changes when objects undergo a change in state.

Materials: toothpicks and balls of clay or mini marshmallows, a clear container, a variety of objects that float or sink

Wednesday: 2-3pm recommended for grades 2-5

Ocean Creatures and Flying Features

Why do planes have tails like a shark's dorsal fin. In this class we'll build a variety of flying machines and learn the forces at work that keep planes aloft and sharks afloat.



Friday 2-2:45pm recommended grades 2-5

Boat Building

In this class we'll explore how shape affects buoyancy and a boat's ability to carry cargo

Materials needed: a boat of any sort, i.e. a Tupperware container, a sushi tray, plastic take out container, or anything else that floats. Give it a sail, a flag, whatever you wish and something to act as cargo, toys, blocks or coins.



Week of April 13th

States of Matter:

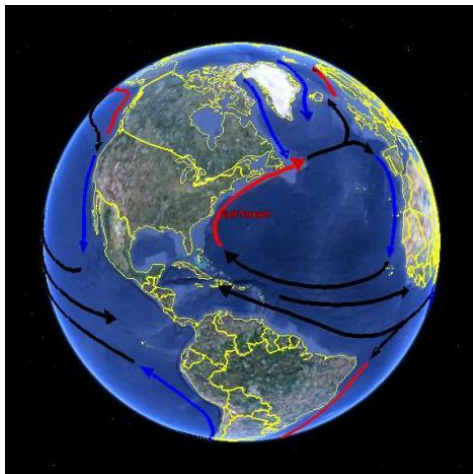
Monday 2-2:45 pm

Rivers of Sunlight:

The journey of a plastic straw, how ocean currents travel the world

The sun powers the earth's water around the world. We'll examine how this process takes place through demonstrations.

Materials needed: warm water, cold water, ice cubes and food coloring, and a clear container



Wednesday 2-2:45 pm

Water Wonders



Take a new look at drops of water and we'll see how it's surface tension allows small insects to float.

Materials; eye dropper or straw, penny and small piece of paper, drop of soap, small container of water

Friday 2-2:45

Gases, gases everywhere

What happens to gases when they expand? How do gases behave when they're inside a liquid?

We'll look at how the molecular structure of gases differs from that of solids and liquids and explore a variety of gases in a variety of situations.