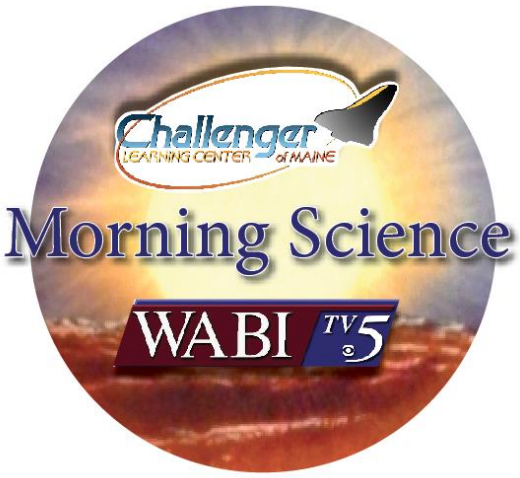

Challenger's Morning Science Segment:

December 4, 2017

Topic: Density

Build: Floating Egg

Credit:

http://www.sciencefun.org/kidszone/experiments/floating-egg/

Materials Needed:

Raw egg / water / salt / large, clear drinking glass or Mason jar / spoon

Make an egg float: Begin by filling the glass halfway full of water. Carefully place the raw egg in the water. It should sink. Next, gradually stir in 1-2 cups of salt until the salt dissolves. Once the egg floats, stop adding salt. Finally, without disturbing the salty water mixture, gently and slowly pour fresh water into the glass until it is nearly full. You should observe the egg float between the freshwater on top and the salt water on bottom. (note: if your egg doesn't sink at the very beginning, you have a bad egg).

The science: [http://www.sciencefun.org/kidszone/experiments/floating-egg/**]:**

Density is the amount of "modules per square inch." Since the egg is more dense than fresh water, it will sink. Adding salt causes the density of the water to increase. So the egg will then be less dense than the salt water, and it will now float. Finally when fresh water is added to salt water, it will float on top because it is less dense. That is how to get an egg to float in the middle of salt water and fresh water.

Upcoming at the Challenger Learning Center of Maine: Challenger continually holds exciting public events, afterschool LEGO clubs, vacation camps and more, all rich in science content and creativity. To stay up to date, join the email list and like Challenger's FB page. FMI- www.astronaut.org