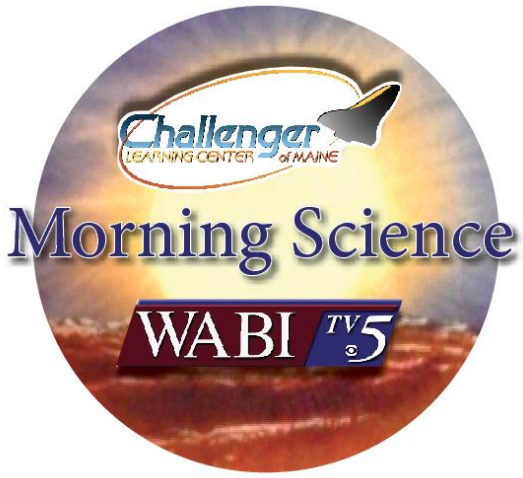

Challenger's Morning Science Segment:

July 3, 2017

Topic: Chemical Reaction

Build: Blow up a balloon

Credit: http://www.msichicago.org/experiment/hands-on-science/create-gas/

Materials Needed:

Balloon / Funnel / Empty 16-20 oz. bottle / baking soda / vinegar

Blowing up a balloon: Start by pouring ¼ cup vinegar into the empty bottle and set the bottle aside. Next, using the funnel, pour 2 teaspoons of baking soda into the empty balloon. Remove the balloon from the funnel and carefully place the open end over the mouth of the bottle, being careful not to spill its contents. Finally, tip up the balloon to allow the baking soda to pour into the vinegar filled bottle. Watch the awesome chemical reaction!

The science

[http://www.msichicago.org/experiment/hands-on-science/create-gas/]

A chemical reaction happens when you combine baking soda and vinegar. During the reaction, carbon dioxide gas is created. While gas is visible with some of the bubbles that form, most of the gas is invisible and nearly impossible to see under normal circumstances. As the balloon covering the bottle inflates with the gas, the amount of gas created from the reaction can be seen. This is a great experiment to try again and again!

Upcoming at the Challenger Learning Center of Maine: Challenger holds STEM camps all summer long for students entering grades K-8. Summer camps are filled with science, innovation, excitement, and fun! FMI- www.astronaut.org