

May/June STEM CHALLENGE

How Different Liquids Impact a Magnet

Due Date: 6/9/17

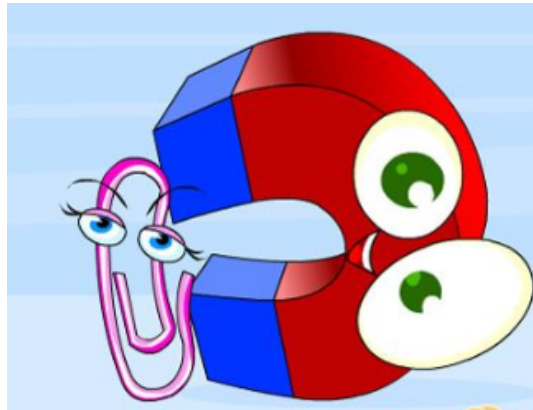
Challenge: How does the consistency (viscosity) of a liquid impact magnetic attraction?

Experiment:

- Place the 3 glasses in a row
- Fill each glass (1 with water, 1 with oil, 1 with corn syrup)
- Place 4 paper clips in each glass
- Make sure the paperclips are fully immersed in the liquid
- Test your magnet by showing how paper clips outside of the liquid are attracted to it.
- Place the magnet on the side of each glass to test how the paper clips move differently in different liquids.

Materials:

- 3 Glasses
- 3 Magnets
- 20 Paper Clips
- ½ cup Water
- ½ cup Vegetable Oil
- ½ cup Light Corn Syrup



Submission:

- Draw or take a picture of your experiment
- Predictions of what you think will happen and what actually happened during the experiment.
- Please submit your drawing/picture and predictions and actual to **GST BOCES in the "PONY" to Bath High School Room 444-STEM**
- Please make sure to have the students name, grade level, teacher name, and school on each paper submitted.