

Lesson Plan: Magical Goo

Area: Chemistry

Age Group: 4th-5th Grade

Supplies Needed:

- ½ cup of Corn starch per student
- Medium Zip-loc bag for each student
- Plastic container
- Measuring cup
- ¼ Cup of water for each student
- Food coloring (optional)

Introduction:

- What are the three types of matter? Solid, liquid, gas
- Ask students of examples of each of these
- Ask students if they know examples of objects that are two types of matter (i.e. melting ice: solid/liquid)

Demonstration:

- In a clear container, mix in 1 cup of corn starch with ½ cup of water (Optional: add a couple drops of food coloring)
- Ask students to follow along

Directions:

- Provide each student with ½ cup of corn starch and ¼ cup of water (Option: food coloring)
- Ask students to mix the corn starch and water in the plastic zip-loc bag that they have
- Students may also add a couple drops of food coloring if they wish
- Once mixed well, ask students to hold the goo in their hand
- What happens?
- Now ask students to squeeze the goo, what happens?

Follow-up:

- Have a class discussion on what they think the goo is: a solid or a liquid?
- Brain-pop video on solids, liquids, and gases!
- Ask students what they learned