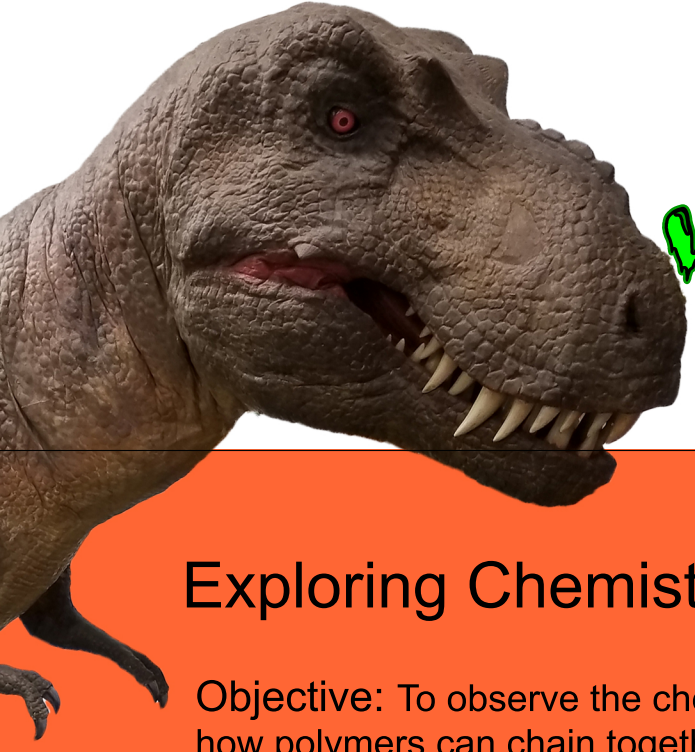

MAKE SLIME WITH BORAX AND GLUE

Grade Level: Kinder - 7th grade

Exploring Chemistry and Polymers

Objective: To observe the chemical reaction between glue and borax and understand how polymers can chain together.

Materials

- Elmer's Glue
- 2 Disposable Cups
- Food Coloring
- Water
- Borax Powder
- A plastic spoon
- A tablespoon

Procedure

1. Fill one small cup with water and add a spoonful of Borax powder and stir it up. Then set it aside.
2. Fill the other small cup with 1 inch of glue.
3. Add three tablespoons of water to the glue and stir.
4. Add a few drops of the food coloring and stir until mixed well.
5. Add one tablespoon of Borax solution you made earlier and stir well.
6. After the slime forms let it sit for about 30 seconds and then pull it off the spoon.

The Science of SLIME

This **POLYMER** is unique because it has qualities of both a solid and a liquid. It can take the shape of its containers like a liquid does, yet you can hold it in your hand and pick it up like a solid. solid molecules are tight together, liquid molecules spread out and break apart (drops) **POLYMER** molecules **CHAIN** themselves together (they can stretch and bend like chains) and that makes them special. Jell-O, rubber bands, plastic soda bottles, sneaker soles, even gum are all forms of polymers.