Super Slime - Elementary Option

"Oooh...Gross...This is Awesome!" Kids try their hands as *real* scientists as they measure, pour, mix, and test two unique variations of Super Slime. Students learn how to set up scientifically controlled tests to determine how changing one variable will affect the outcome of their slime. These "Non-Newtonian Solids" are fun for all ages...including the leaders! Students learn about measurement, scientific testing, gravity, viscosity, elasticity, and polymers...with their hands!

You will need:

- Dixie Cups (2 per Child)
- White Glue
- Wooden Popsicle Sticks (2 per child)
- Water
- Food Coloring (1 box per small group)
- Ruler (1 per child)
- Clock with Second Hand or Stopwatch (1 per entire room)
- Graduated Cylinders (1 per every 3-4 kids)***
- Borax Solution +++
- Black Permanent Markers

*** Graduated Cylinders -- 25 ml Graduated Cylinders (Item # 70047) ordered from US Plastics (1-800-809-4217). Click Here

+++ Mix 1 cup Borax laundry detergent into1 gallon hot/boiling water.

Super Slime Tips

Building

1. Important! Listen to all of the instructions for each step prior to starting that step.
2. Make sure you have plenty of black permanent markers for writing.
3. Do not wait for every student to finish each step completely. Start the next step of the video when 85% of the groups are ready to move on. Be sure to have adults help slower students.
4. Place boxes of food coloring at every station.
5. Make sure all glue bottles are unclogged prior to any students arriving.
6. Ask a Project Helper to rinse out the graduated cylinders prior to building the second polymer to clean out any residual borax solution.

Testing

1. Ask Project Helpers to be ready to assist with the testing procedures.
2. Rather than having multiple timers at every station, consider having one adult do the timing as all groups simultaneously test their polymer for stretch.

Quick Version:

Running short on time?

1. Consider only building and testing one polymer instead of making and testing two polymers.
2. If you chose to only build one polymer, skip forward on the video for the closing.