

Potions Class



Lava Lamp In A Glass

<http://sciencemadefunkids.net/experiments.cfm?Exp=9>

Supplies

Glass or bottle
Alka Seltzer Tablet
Food Coloring
Water
Oil

Instructions

- Fill the container 3/4 of the way with oil
- Fill the remainder of the container with water
- Add several drops of food coloring
- Drop in an Alka Seltzer tablet

The Science

The Alka-Seltzer tablet reacts with the water to make carbon dioxide gas. These bubbles attach to the water and cause them to float to the surface. When the bubbles pop, the water sinks back to the bottom of the bottle. The food coloring in the water helps you to see this.

Watch The Rainbow

<https://www.science-sparks.com/skittles-experiment/>

Supplies

Skittles White Plate Water Milk

Instructions

- Place the skittles in a circle around the plate
- Add water or milk in the center
- Wait and watch

The Science

The color and sugar dissolve into the water and then diffuse through the water, making it the color of the skittle.

Further Experimentation

Try and compare different candies and liquids



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Newtonian Slime

<https://www.scientificamerican.com/article/oobleck-bring-science-home/>

Supplies

Bowl
Paper Towels
Spoon
Corn Starch
Water

Instructions

- Add water corn starch to the bowl. Start with about one cup.
- Add water to the bowl, a little bit at a time. Try adding water one tablespoon at a time.
- Mix with a spoon, but don't be afraid to use your fingers.
- Continue to add water until the mixture is thick, and hardens when you touch it.
- Add more water and cornstarch as needed.

The Science

- This simple mixture shows how changes in pressure can alter the properties of some materials.
- Newtonian Fluid slime is a pressure-dependent substance, known as a non-Newtonian fluid.
- Applying pressure to the mixture increases its viscosity (thickness).
- Touching the slime makes it feel hard, because the cornstarch particles are forced together.
- If you move your hand through it slowly, the particles have more time to move out of the way, making it seem like a liquid.

Tacoma Public Library does not agree with or condone JK Rowling's inaccurate and dangerous statements regarding sex and gender.

All members of our LGBTQIA+ community are valued and welcomed.

By hosting Harry Potter-themed events, we take the approach of actor Daniel Radcliffe in his essay for The Trevor Project: "...if you found anything in these stories that resonated with you and helped ou at any time in our life — then that is between you and the book that you read, and it is sacred."