

## materials:

- Lemons
- Baking Soda
- Food Coloring
- Vinegar
- Milk
- Dish soap
- Q-tips
- Shallow plate
- Jar
- Tray
- Craft Stick
- Cup & Spoons

## extension ideas:

### lemon volcanoes:

Turn this into a science experiment and test different citrus fruits to see which produces the best reaction.

**magic milk:** Gently dip watercolor paper in the milk to capture the reaction and produce marbled paper.

**wizard's brew:** Make it change colors! Add a tablespoon of vinegar mixed with one color of food coloring every so often. Make sure to dump the colored vinegar into the center of the brew.



## lemon volcanoes

### ingredients:

- Lemons
- Baking Soda
- Food Coloring
- Craft Stick
- Dish soap
- Tray & Spoons

### instructions:

- Slice the bottom off the lemon and slice out the core.
- Use a craft stick to mush the center of the lemon.
- Place a few drops of food coloring in the lemon.
- Add a good squeeze of dish soap to the lemon.
- Add a spoonful of baking soda to the lemon.
- Take the craft stick and stir the lemon juice and baking soda to create a reaction.

## magic milk

### ingredients:

- Almond Milk or Cow's Milk
- Dish soap
- Q-tips
- Food coloring
- Shallow plate or wide bowls

### instructions:

- Fill a plate or bowl with a shallow layer of milk.
- Add a few drops of food coloring.
- Dip the end of a q-tip in dish soap, then dip the q-tip into the milk. The color will burst.
- Repeat until the colors begin to mix and become brown. Empty your plate/ bowl and try again.

## wizard's brew

### ingredients:

- Baking Soda
- Food coloring
- Dish soap
- Vinegar
- Jar & Tray

### instructions:

- Fill the jar halfway with vinegar.
- Add a few drops of food coloring.
- Squeeze in some dish soap and stir.
- Add in a heaping teaspoon of baking soda, stir again, and watch the foaming begin.

To keep the reaction going continue adding baking soda and vinegar when it starts to slow.