



Mad Science 2.0 Materials List

Day 1: [Fluids and Density - Make your own lava lamp!](#)

- Clear glass
- Tap water
- Vegetable or mineral oil
- Food coloring
- Alka-Seltzer tablets
- Flashlight (optional)

Day 2: [You're 60% Banana - DNA day](#)

- Ripe banana
- Half cup of water
- Teaspoon of salt
- Resealable zip-top bag
- Dishwashing soap or detergent
- Rubbing alcohol
- Coffee filter
- Narrow glass
- Narrow wooden stirrer

Day 3: [Enzymes and Catalysts- Elephant toothpaste](#)

- Empty plastic bottle
- Dry yeast (found in the baking section of the grocery store)
- Warm water
- Liquid dish soap
- 3% hydrogen peroxide
- Measuring cups
- Measuring spoons
- Safety glasses (sunglasses, swimming goggles, scuba mask, face shields OK)
- Large tub or tray to catch the foam
- Location for the activity that can tolerate spills (of hydrogen peroxide as well as possibly food coloring), such as a kitchen or bathroom—or an outdoor location
- Liquid food coloring (optional)
- Different-shaped bottles or glasses (optional)

Day 4: [Acids and Bases- Fizzy Lemonade](#)

- Cold water
- Two lemons, sliced in half
- Teaspoon of sugar (more or less to taste)
- Teaspoon of baking soda
- Plastic or glass cup
- Stirring spoon
- Ice (optional)