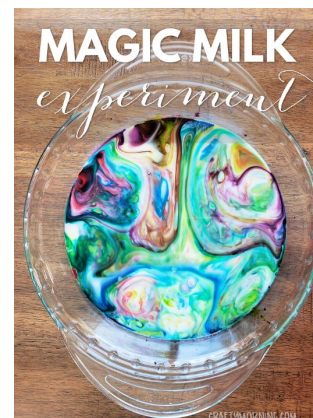


## Magic Milk Instructions

### Materials:

- Baking dish
- Cup/small bowl
- Milk (Full Fat / 2%)
- Food coloring
- Cotton swabs
- Dawn dish soap



### Instructions:

- Pour your milk into the bottom of the baking dish. You don't need a lot, just enough to completely cover the bottom of the dish
- Add multiple drops of food coloring to the top of the milk (best to use 2-3 different colors, 3-4 drops of each color)
- Pour a small amount of dish soap into your cup/bowl. Take one of your cotton swabs and dip one side into the dish soap. You don't need to completely cover the entire swab with soap
- Take the coated cotton swab over to your milk dish and gently touch the surface of the milk with the soapy Q-tip and watch the chemical reaction take place

### How it works:

- Milk is made up of minerals, proteins, and fats. Proteins and fats are susceptible to changes. When the dish soap is added to the milk, those molecules run around and try to attach to the fat molecules in the milk. You wouldn't see this without the food coloring! The food coloring looks like fireworks because it's getting bumped around! The soap heads for the fats creating the cool bursting of color. When there is no more movement, all the fat molecules have been found.