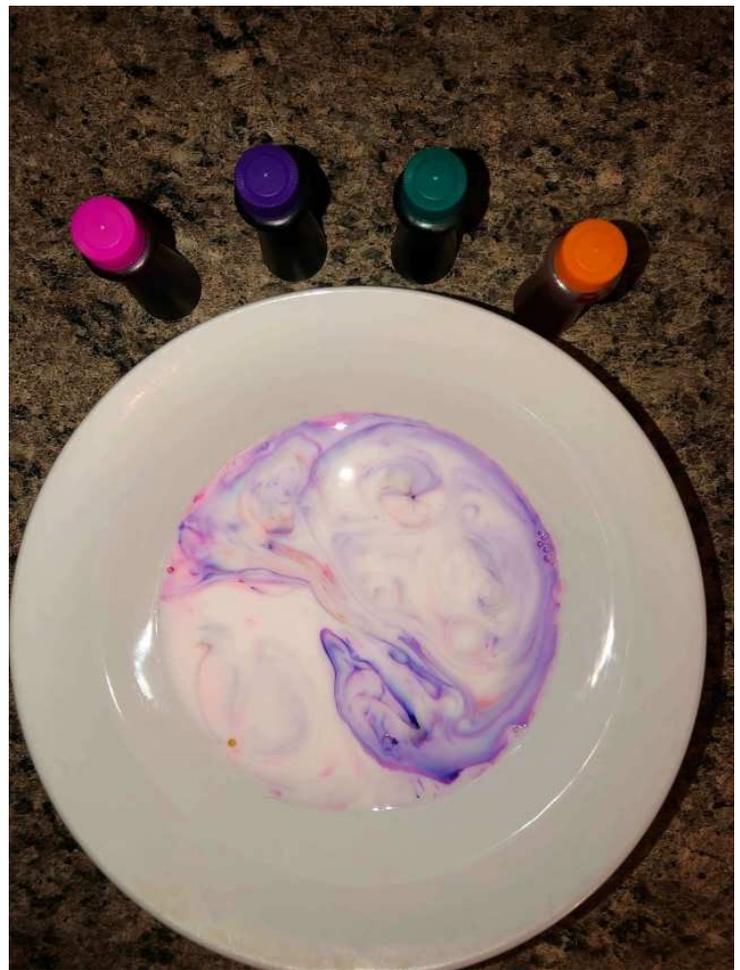


Magic Milk

WHAT YOU'LL NEED:

- 1 cup milk
- 9 drops of food coloring (divided into 3 different colors, 3 drops each)
*Have the kids do the math here!
- dish soap (we will only need to dip our
- q-tip into this, so about a tea-spoon is plenty)
- Q-tips
- Bowl for the milk



HOW TO MAKE MAGIC MILK

This tie dye making milk experiment is super simple and LOTS of fun!

1. Place your cup of milk into a nice sized bowl
2. Squeeze your 9 drops of food coloring into the bowl of milk.
3. Dip your Q-tip into some dish soap
4. Place your Q-tip onto a spot in the bowl with food coloring and watch your milk begin to dance! Cut some spots out of brown felt and glue them to the cow. Use as many spots as you would like!

SCIENCE BEHIND THIS MAGIC MILK

Milk has something called **surface tension**. Surface tension is made up from all the molecules inside the milk. This is what allows our food coloring to stay in one spot when we squeeze it into the bowl. When we add our dish soap to the milk and food coloring mixture though, the total OPPOSITE happens! This surface tension is now broken, causing us to have dancing milk! Take notice of how the colored milk now moves away from your Q-tip that is dipped in dish soap! Neat huh?! We thought so too!