

Fun with Color

Items Needed

White or light colored plate

Milk: about 1/8 of a cup or enough to make a nice puddle in the middle of the plate

Liquid food coloring: several colors

Cotton balls or cotton swabs: 1-3

Liquid dish soap: a couple of drops

Instructions

1. Pour the milk onto plate
2. Add drops of food coloring at random on top of the milk.
3. Place a drop of liquid dish soap on to one of the cotton balls or swab
4. Place cotton ball in the milk/food coloring drops. If you are using a cotton swab just touch the swab o the milk
5. Watch the food coloring swirl away from the dish soap

Why does this happen?

Milk has fat in it and the food coloring floats on top of the milk. Dish soaps are used on greasy or oily dishes because it breaks down the fats allowing them to separate. When you add the dish soap to the milk, the fat separates and moves, making your color drop form patterns. Try placing tiny drops of dish soap straight into the milk, which works better? Take a picture of your design to preserve the picture