

MILK PAINTING

What you need:

Milk (about a cup or more)

Food coloring

Dish soap (in a smaller container)

Q-tip, toothpick, or your finger tip



What you do:

1. Pour the milk into a plate with a high rim (or a pie plate or similarly flat-bottomed vessel).
2. Squeeze in several drops of food coloring in various places.
3. Dip your Q-tip into the dish soap, and quickly dot it into each of your splooges of food coloring. Note: splooges is the technical term (jk!)
4. Watch what happens!

What is happening:

From BabbleDabbleDo: “The molecules in the dish soap are attracted to the fat molecules in the milk. As soon as you introduce the soap to the milk/coloring mixture the molecules race around trying to bond. The food coloring gets pushed around in the process and appears to burst. Eventually the molecules all bond and the reaction stops.

This is a good example of how detergents work, their molecules have two ends: one end is attracted to oils and the other to water. One end of detergent molecules attracts oils and dirt from clothes, dishes etc., and as they stick together they break the oil and dirt down into smaller, easy to remove pieces.”

<https://babbledabbledo.com/science-for-kids-milk-painting/>