

Activity Share: **Magic Milk Experiment**

Age group: **Preschool age**

Materials Needed:

- Food Coloring
- Milk
- Dish soap
- Q-tips
- Shallow container or bowl

Directions:

- Fill shallow dish with just a little bit of milk
- Add droplets of food coloring
- Dip q-tip in dish soap and then, dip into food coloring droplets
- Watch what happens!

When your child is finished with the experiment, have them swirl the milk and food coloring. Place paper over liquid to create marbled art!



Why does this happen? Milk is made up of minerals, proteins and fats. When the dish soap enters the milk the fat begins to break up. The soap molecules run around and try to attach to the fat molecules in the milk. Normally this process would be invisible to you, but the food coloring helps you to see all of the movement taking place. Cool!!