

# Magic Milk Potion

Watch a rainbow burst out in a bowl of milk with this simple and gorgeous chemistry activity!

## Supplies Needed

- Milk (2% or whole preferred)
- Dishwashing liquid
- 1 shallow bowl (a pie pan works great)
- Food colouring in different colours

## Directions

1. Fill the shallow bowl up with milk, about 1 inch deep.
2. Add about 3 drops of each food colouring to the milk.
3. Add a drop of dish soap to the milk.
4. Watch the colours change and mix.
5. WOW Magic!!



Check out our instructional video!

[STEAM Activity: Magic Milk Rainbow](#)

## How does it work?

The bursting colours in this experiment is a chemical reaction. Milk is made up of fats and proteins which are vulnerable to change. When the dish soap is added to the milk, molecules in the soap run around and try to bond with the fat molecules in the milk. As it does this, it creates the bursting of colours. By adding the food colouring, it allows us to see this chemical reaction as it's taking place!