



MAGIC MILK SCIENCE

Suits ages 36 – 60 months



What you will need:

- Tray
- Bowl
- Whole milk
- Liquid food colouring
- Dish soap
- Cotton swabs

What you do:

1. Pour a thin layer of milk into a tray.
2. Add dish soap to a bowl.
3. Let your child add drops of different coloured food colouring all around the milk.
4. Give your child 2 cotton swabs and ask them to dip these in the bowl of dish soap. Ask your child to press them down in one spot and holding it there for 15 seconds.
5. Watch what happens and ask your child to tell you what they can see.
6. Discuss how this happens – explain to your child how the milk is made up of proteins and fats, so when the dish soap enters the milk the fat begins to break up. The molecules in the soap then try to attach to the fat molecules, which is why we see the food colouring move.

This is a fun science experiment which allows your child to identify cause and effect.