

M&M science rainbow

Ingredients

To make an M&M science rainbow, you will need the following materials:

- M&Ms or smarties
- Plate
- Water

1. start by putting some M&Ms onto a plate.



M&M Science
RAINBOW
www.giftofcuriosity.com



2. Arranged the M&Ms in a large circle at the outside edge of the plate.



3. Now gently add enough water to the middle of the plate until the water is touching all of the M&Ms. Be careful not to add the water too roughly or it will cause some of the M&Ms to move out of the circle.



4. Then just watch. Over the next few minutes, a beautiful rainbow will form right before your eyes!



To really get a sense of how cool this M&M science rainbow is, you need to see the video below!

What's the science behind the M&M science rainbow?

The hard shell of the M&Ms is made with water soluble colours. When the water touches the M&Ms, the colours begin to dissolve off of the M&Ms and run into the water. Because of the shape of the plate and the positioning of the M&Ms, the colours have no-where to go except into the middle of the plate, forming a beautiful rainbow as they do.

Extension

1. You can investigate what will happen by trying this with milk or another household liquid.
2. Try with other lollies like jellybeans.