

M&M Colour Separation

Objectives

- ❖ Create a Rainbow using M&M's soluble colours

Duration

- ❖ 30 min

Material	Quantity
Plate	1
M&M's	½ cup
Water	
Cup	

Procedure

1. Arrange the M&M's in a circle around the plate.
2. Gently add water to the plate. Do this slowly until the water touches all of the M&M's

3. As the colours begin to spread, ask your child what they think is happening

4. Once the colours have spread, ask your child if they see any mixing between the colours.

5. Explain that the hard shell of the M&M's is made with water soluble (able to be dissolved) colours. When the water touches the M&M's, the colours begin to dissolve off the M&M's and run into the water. Because of the shape of the plate, and the positioning of the M&M's, the colours have no where to go except to the middle of the plate



Extension:

Complete the experiment again putting the M&M's into different shapes. See how this changes the outcome.

Additional Resources

<https://www.giftofcuriosity.com/mm-science-rainbow-steam-for-kids/>