

# Early ON

@ Home

## M&M Rainbow

### Supplies

- Bag of M&Ms
- Water
- Small plate

### Directions

- Arrange M&Ms in a patterned circle around the outside edge of a small plate.
- Gently add a small amount of water slowly to ensure the M&Ms don't move.
- Watch what happens.
- Over the next couple of minutes the colours will spread, creating a rainbow.

### The Science

The hard shell of the M&Ms is made with water soluble colors. When the water touches the M&Ms, the colors 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 colors have no where to go except into the middle of the plate. This is what forms a beautiful rainbow.



### Questions to Ask Before

- What do you think will happen?
- How much water do you think will it take for something to happen?

### Questions to Ask After

- Why do you think that happened?
- Do you think it would happen with every type of hard coloured candy?
- Do you think it would happen with any other liquids?