



# 101

## SIMPLE SCIENCE ACTIVITIES

with

**ATMS**  
EDUCATION



## COLOURFUL SWEET SENSATIONS

### Equipment you will need:

- plates or bowls (light colours work best)
- packets of sweets with candy coating (e.g. skittles, m & m's - other brands are available)
- a jug with some warm water

### KEY QUESTIONS:

Always encourage your children to ask and attempt to answer their own questions. Give them time to be creative with their testing. There are no right or wrong questions and answers. Here's some suggested questions you could use to prompt your children.

- What do you think will happen?
- Where does the colour come from?
- Do all sweets work the same?
- Why does the pattern look like that?
- How does this happen?
- Where does the colour come from?
- Can I affect the pattern?
- Do other liquids work?

**ACTIVITY TIME: 30+ MINS**

## METHOD

**ALWAYS USE QUESTIONING WITH YOUR CHILDREN THROUGHOUT AND ENCOURAGE THEM TO ANSWER FULLY.**

1. Arrange the sweets into a circle on the plate, be careful to leave no gaps.
2. Carefully pour enough water into the centre of the circle, enough to cover the bottom of the plate completely (a couple of mm deep)
3. Watch and wait for the colours to appear.
4. What is happening? Discuss and think of answers. Make a list of questions to investigate.
5. Investigate if this works with a different shape or sweets depending on the questions asked.
6. Enjoy eating the sweets. (as long as good hand washing hygiene was followed and clean drinkable liquids were used)
7. Possible follow up depending on age of children - Children could make a poster, a presentation or write up what they have learned, we would always encourage children to choose how they record their work.

### KEY VOCABULARY:

**colour**    **dissolve**    **diffuse**  
**pattern**    **coating**    **sugar**  
**liquid**    **temperature**