



Sweet RAINBOW FROM SKITTLES

You Will Need:

- *Warm Water in a jug
- *Skittles or other similar sugar candy
- *White Plate



Instructions

1. Place the Skittles in a single row around the edges of a (preferably) white plate. You can make a colourful pattern by alternating the colours.
2. Pour over some warm water to cover all the Skittles and the plate itself. Pour it in the middle of the plate and do it slowly so you don't move the sweets. If the sweets move, push them back into place.
3. Now it is time to be patient. Be careful not to shake the plate because it would spoil the experiment. Observe the sweets and watch as a rainbow appears on the plate. The colours from the sweets will move towards the middle and create a beautiful whirl of colour. Your sweet rainbow is ready.

You Will Need:

- *Warm water in a jug
- *Cold water in a jug
- *Skittles or other similar sugar candy
- *2 White Plates
- *Timer

You can also try



You can also try using cold water instead of the warm water. Will you see the difference?

1. Prepare 2 plates; 1 jug with warm and 1 jug with cold water.
2. Follow the instructions above and arrange the sweets.
3. Pour warm water onto the first plate, and cold water onto the second one. If your parent can help you, you could pour the water onto both plates at the same time (remember-1st plate cold water, 2nd plate-warm water), and then you quickly set the timer.
4. Was it cold or warm water to create the rainbow first? Do you know why?

The Science behind This Experiment

Skittles are coated in sugar and food colouring. These ingredients can dissolve (=melt) in water. When you pour water over the skittles the colourful 'coats' dissolve spreading through the water outwards.

Have fun!