



Lets Make a Rainbow!

Many children all over the UK have been putting rainbows in the window. How many different ways can we make a rainbow? There are some experiment sheets to download from our website and we have included some more ideas here.

1. Can you make a rainbow using lego or building blocks?



2. Can you make a rainbow using skittles? Place the skittles around the edge of a plate. Slowly pour in warm water and watch what happens!



3. Milk rainbow. Pour some milk in a bowl. Add a few drops of different coloured food colouring. Dip a cotton bud in dish soap and dip it in the milk. Watch it create a rainbow.



4. Make a real rainbow

What you'll need:

- A glass of water (about three quarters full)
- White paper
- A sunny day

Instructions:

1. Take the glass of water and paper to a part of the room with sunlight (near a window is good).
2. Hold the glass of water (being careful not to spill it) above the paper and watch as sunlight passes through the glass of water, refracts (bends) and forms a rainbow of colours on your sheet of paper.
3. Try holding the glass of water at different heights and angles to see if it has a different effect.

Grow a rainbow

1. You need absorbent paper towel or napkin – we used the brand Bounty
2. You must use washable markers – make sure to check it's washable as not all Crayola brands are washable
3. Do not place the end of the paper towel too deep into the water or the dye will dissolve into the water instead of traveling up the paper towel
4. The shorter the paper towel – the better it works as there is less for the marker dye to have to travel across
5. Add lots of marker to the ends. You need lots of dye for it to travel upwards.

Fold over a piece of paper towel (so you have 2 pieces on top of each other). Trim the length to be 7.5 inches (any longer and the rainbow may not connect fully). Draw rectangles of the rainbow colours on each end. You want to make sure to fill these colours in well so there is enough dye to travel across the paper towel. Place 2 cups with water filled 3/4 full. You only want the bottom of the paper towel in so leave some space from the top of the cup. Then place the paper towel into the cups, with one end in each cup. The washable marker dye will slowly make its way up with the water to meet the other side in the

centre of the paper towel. Leave the paper towel or 10-15 minutes and it will



eventually connect the colours together.

