

Science – chromatography Investigation

Hi Kestrels and Hawks!

This is a great investigation for you to try. The sweets that we eat are often brightly coloured and can turn our tongues different colours. Have you ever thought about how those bright colours are created from the 3 primary colours?

Miss Goodright has been having fun at home trialling different sweets to see what colours are in them. Have a go at finding out what colours are in Skittles (they work best!)

Prediction:

Write down a prediction. What colours do you think go into creating a red Skittle/yellow Skittle/green Skittle/orange Skittle etc

You will need:

Water

Skittles

Kitchen roll

A paintbrush or spray gun

TIME! (Be patient!)

Method:

Place a Skittle onto the kitchen paper and then spray or brush a good amount of water onto it. Keep doing this throughout the day as the Skittle dries up. The colour should seep into the kitchen roll paper and you will find out that not all the dye on the Skittles is made from one colour! Amazing!

Take your time! Miss Goodright did this experiment over a 24 hour period and kept adding water to the sweets using a paintbrush.

Take photographs or draw pictures of what you find! We look forward to seeing the results!

Were your predictions correct?



As with all science investigations, make sure you think about being safe and healthy. Please do not eat sweets that have been used in the experiment!

(NB Miss Goodright did various different tests using M & Ms, Smarties and Skittles and found Skittles to be the most effective)