

Science Week



Experiments to try at home

Melting Skittle Rainbow

You will need: Skittles, warm water, white plate

Arrange the Skittles in a single row coloured pattern around the edge of the plate.

Pour over enough warm water to cover all the Skittles and the plate itself.

Watch and wait as a rainbow appears on the plate, the colours will move towards the middle and create a whirl of colour.



Rain Cloud in a Jar

You will need: Glass jar, water, shaving foam, blue food colouring

Fill your jar about three quarters full with water from the tap.

Use the shaving foam to create a cloud on top of the water.

Let the foam settle a bit.

Now drop food colouring into the 'cloud'. As your cloud fills up, the food colouring will fall down into the water creating a rain-like effect.



Bouncy egg

You will need: $\frac{1}{2}$ Cup of White Vinegar, 1 egg, 1 drinking glass

Pour the vinegar into the glass

Put the egg in the vinegar.

Leave it for at least two days. Keep an eye on it, watch how it changes.

After two days, take it out. The shell will have dissolved. You can carefully, gently bounce it from a low height. Hints and tips: Whatever you do, don't try bouncing it from a great height like we did! It's still an egg inside, not a super ball!



Mentos in Coca Cola

You will need: 1 bottle of cola, 1 bottle of lemonade, 1 packet of mint Mentos, OUTDOOR area

Put half a packet of Mentos into a bottle of Coca Cola. Watch the soft drink fizz and bubble over. Do the same with a bottle of lemonade. What happens to the lemonade?



Fireworks in a Jar

You will need: Jar, Drops of food colouring, warm water, 3 tbsp. vegetable oil

Fill the jar about 3/4 full with warm water from the tap.

In a separate bowl or dish, place three tablespoons (approx.) of vegetable oil.

Carefully put drops of food colouring into the oil.

Mix it all gently with a fork, just enough to disperse the food colouring a little bit. You'll notice it doesn't mix with the oil, it just breaks up into smaller dots.

Now pour the oily and colour mixture into the warm water in your jar.

Watch as the coloured drops sink down into the water and mix together creating a firework effect.

