

Weather

Geography - 13th January 2021

In our lesson today, we will be finding out about our weather.



What is Weather?

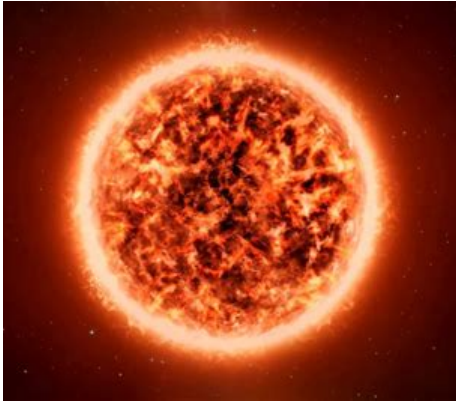
The weather is what happens in the air above our heads each day. It may be hot with lots of sunshine in one part of the world and cold and snow in another. In some places, the weather can change very quickly.



It's amazing to think that all this weather is caused by the sun – which is 100 million miles away.



The Sun



The sun is a big ball of burning gas.

Sunshine makes rain happen. When the sun shines on water, the heat turns the water into vapour, which rises into the air to form clouds and then becomes rain.



Key Vocabulary



sunshine

The bright light of the sun



cloud

A white or grey mass of small drops of water high in the sky



rain

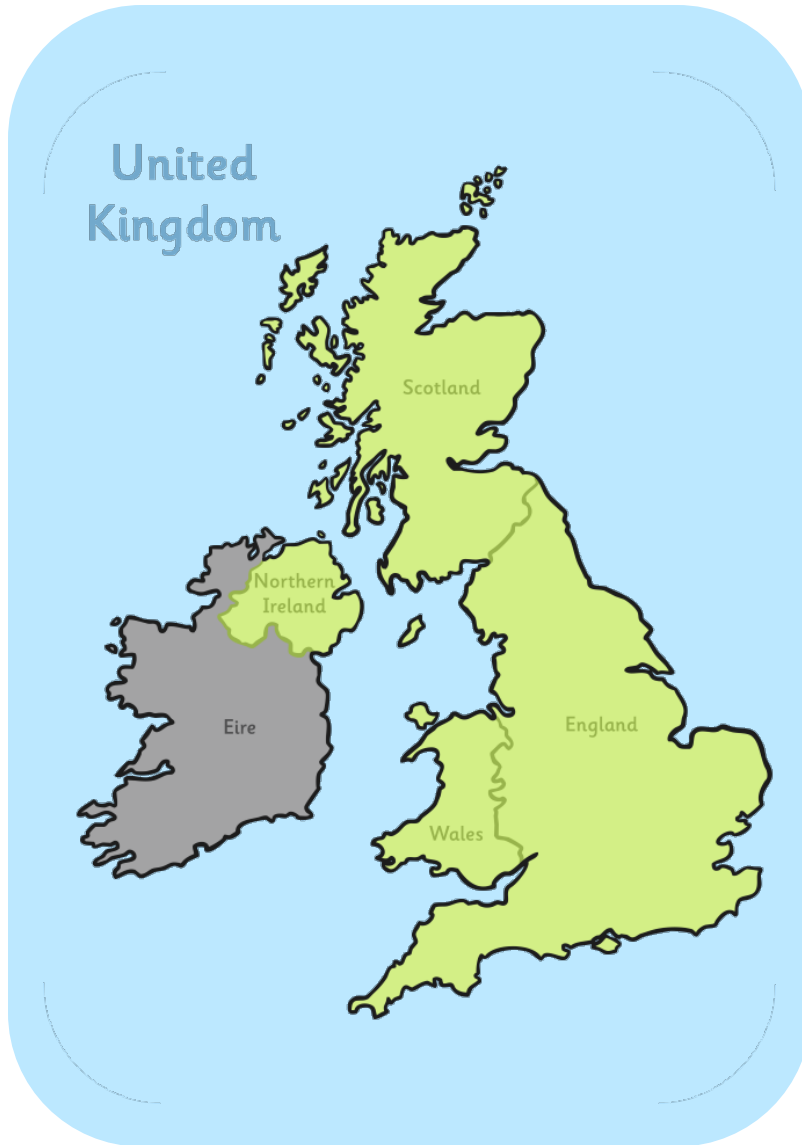
Drops of water that fall from clouds in the sky



snow

Small, soft, white pieces of frozen water that fall from the sky like rain

Our Weather: The UK



A mix of sunshine, cloud, rain –
and sometimes snow.



What is Climate?

Climate is the average temperature and rainfall in a place over a long time – many years.

Mountain climate



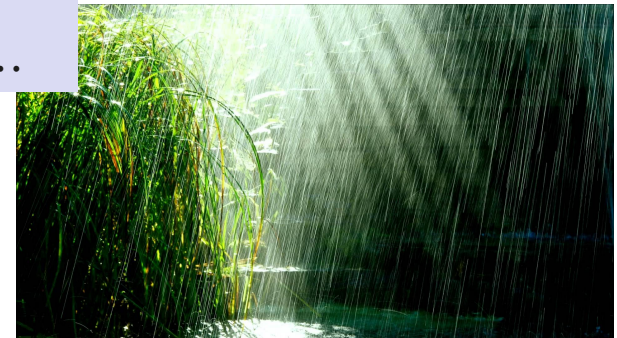
Desert climate



There are different climates in different parts of the world.
Some examples...



Temperate climate – the UK



Tropical climate

Measuring how much rain falls from the sky



When it rains it is hard to see how much is really falling from the clouds in the sky. We use a rain gauge to measure how much rain falls.

We can make our own rain gauge from:

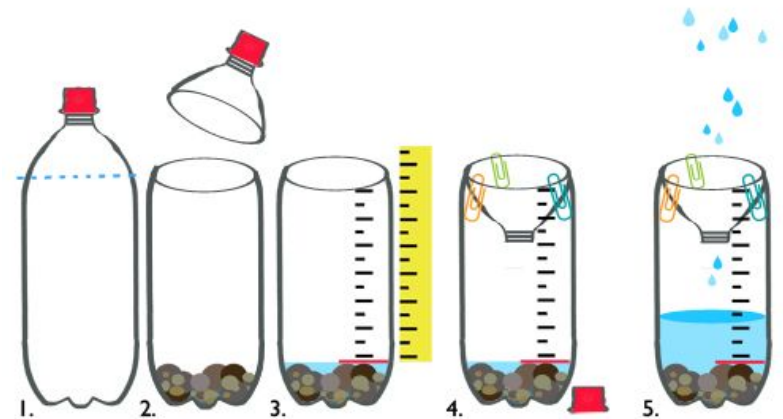
- A plastic bottle (soft drink)
- Some stones and pebbles
- A tape measure or ruler
- A permanent marker pen



Your Task - Making a Rain Gauge

1. Cut the top off the bottle (with adult help).
2. Put some stones in the bottom of the bottle.
3. Turn the top upside down and tape it to the bottle.
4. Use a ruler and marker pen to make a scale on the bottle (to measure it).
5. Pour water into the bottom until it reaches the bottom of the scale.

The rain gauge is now ready to use outside so place it outside on a flat surface where animals cannot disturb it in a place where it will get the maximum amount of rain. You need to check it everyday and record how much rain has fallen



Using the Rain Gauge

- Remember to keep watching the gauge and measuring the rainfall each day.
- Rain will fall into the gauge where it can be measured.
- Write down the measurement and day.
- Try to do this the same time each day.
- You can use the table on the next page to collect your results.



Collecting Data

Set up your rain gauge and then record the rainfall for the next 9 days using the table below. Try to collect your data at the same time each day.

Date	Rainfall



Can you tell me?

All about the weather

What is 'the weather'?



Why is the sun important to the weather?

What do we mean by climate?

What is the climate like in the UK? Describe it.



Your final task is to tell me all about your learning today by answering these questions. All the information you need is in this folder. Don't forget to check your work for capital letters and full stops.

Well done Year 2. You are all working so hard and I can't wait to see your rain gauges. Please send lots of photos to me via our school e-mail address.

