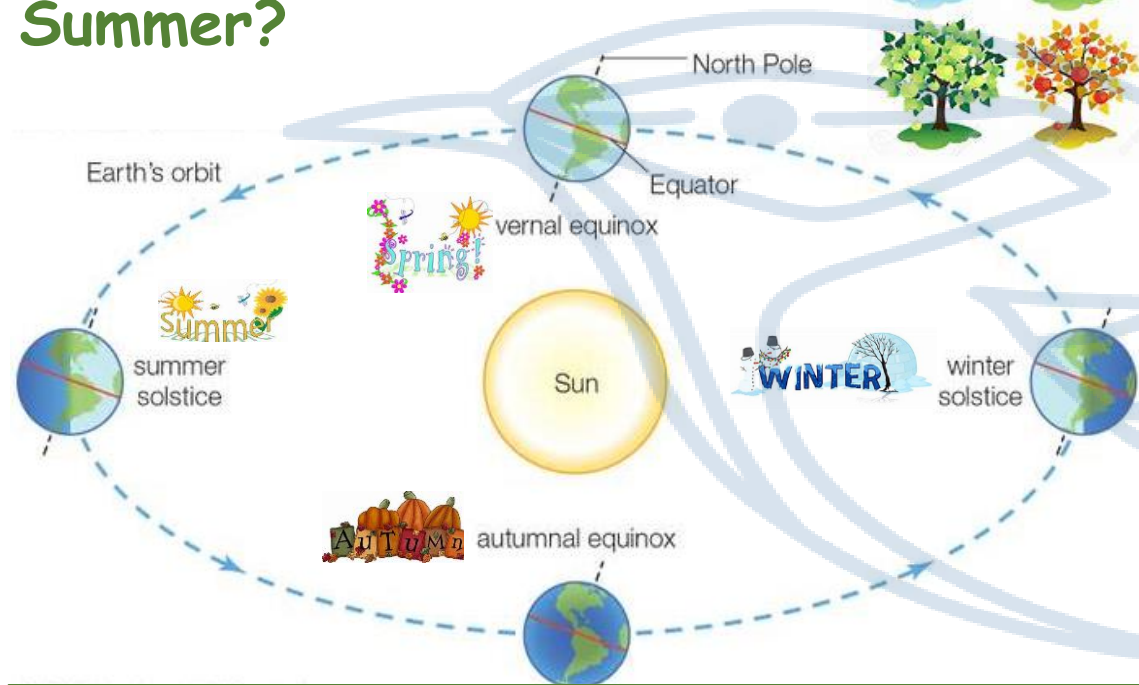


Science: Why do snowmen melt in Summer?



Key Vocabulary

Weather



Weather is the way the air and the atmosphere feels. It includes the outside temperature, strength of the wind, and whether it is raining, sunny, hailing, snowing, sleet, foggy, or cloudy. The weather changes regularly and tends to be different during different seasons and across different countries.

Seasons



There are four seasons each year, Autumn, Winter, Spring and Summer.

Different seasons have different weather patterns. The Earth spins as it moves around the Sun; as different parts of it are closer to or further away from the Sun and receive more or less sunlight, we experience Spring, Summer, Autumn and Winter.

DID YOU KNOW?

The average weather for a region is called its **climate**. There are five different types of climate: polar, cold, temperate, dry and tropical.

Daylight



Daylight is when it's light outside. The amount of daylight changes with each season.



Spring, also known as springtime, is one of the four seasons. It is the season of growth. In Spring plants begin to grow and lots of animals are born.



In Summer the weather is usually the warmest and has the most sunny days. The days are the longest of the year during Solstice and the nights are shortest.



In Winter, the weather is much colder. It sometimes snows. Many trees have bare branches as all their leaves have fallen off. The daytimes are the shortest in the year and the night times are the longest.

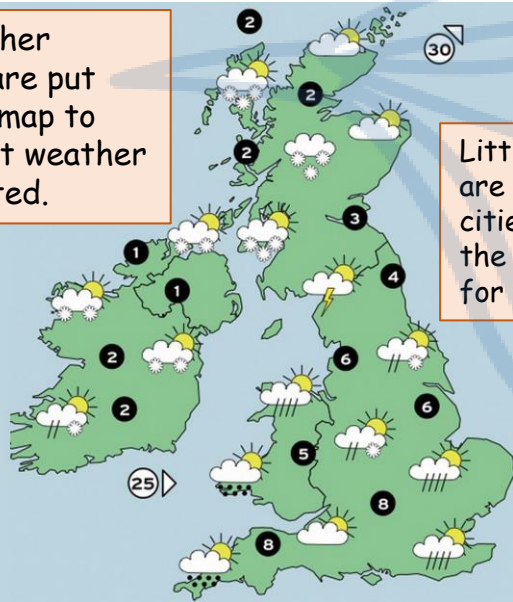


In Autumn the weather begins to grow colder. The leaves start to fall of the trees. The amount of daylight becomes less which means the days are shorter and the nights start to get longer.

DID YOU KNOW?

Clouds are like floating lakes of water. Like squeezing a sponge, they drop water as rain, sleet and snow. One billion tons of water falls every minute.

The weather symbols are put onto the map to show what weather is predicted.



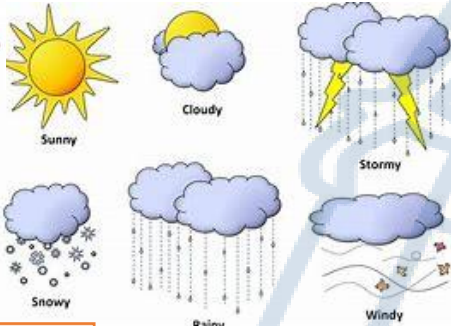
Little numbers are places by cities to guess the temperature for that day.

Winters tend to be colder and have more rain, sleet, hail and snow, while summer tends to be warmer and sunnier. Some countries are warm all year round, while others are cold all year round. The UK has what is called a 'temperate' climate. A temperate climate is one that is not too extreme.



The weather is forecast by meteorologists (weather scientists) who use a range of satellites in space, weather stations and the previous years weather to predict the weather coming.

Weather Forecasting



A forecast in Dudley might look like this. It tells you the type of weather to expect, the temperature at what time of the day.



There are more hours of sunlight in some days dependent on month and season.

The world's highest weather station is on the top of Mount Everest.

DID YOU KNOW?

Month	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Hours of Daylight	13	11	9	8	8	10	12	14	15	16	16	14