

**Key Stage One Knowledge Organiser: Science: Seasonal change - Autumn and Winter**

**What I already know**

- The 12 months of the year.
- The outside environment changes in different seasons.
- There are times when it is hot outside and times when it is cold outside.

**Key Knowledge**

There are 4 seasons: Spring, Summer, Autumn and Winter.



The weather is the coldest in winter. In winter it snows and frost and ice appears. It can also be stormy, rainy, foggy, windy or sunny!



The weather in autumn can be windy, cloudy, rainy and sunny with a cooler temperature.



Christmas, New Year and Shrove Tuesday are celebrated in winter.



Autumn is in:



Winter is in:



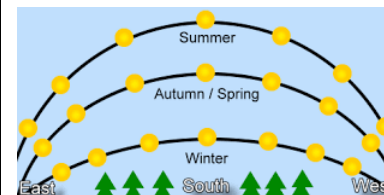
Harvest, Halloween and Bonfire Night are in autumn.



The leaves change colour (red, orange, yellow and brown) and fall off the branches. Trees which have leaves that fall are called deciduous trees. Evergreen trees keep their leaves. Animals begin to gather food to prepare to hibernate. Some birds migrate to warmer countries.



In winter, the sun is lower in the sky so we have shorter days. In summer the sun is high in the sky so we have long days



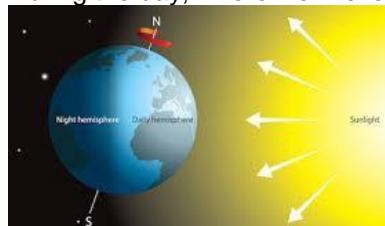
In winter the earth tilts away from the sun. In summer the earth tilts towards the sun.

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The earth spins on its axis.



At night, where we live is facing away from the sun.  
During the day, where we live is facing the sun.



### Vocabulary

Month	One of the 12 parts into which the year is divided.
Season	One of the four quarters into which the year is commonly divided: spring, summer, autumn and winter.
Weather	The daily state of the atmosphere e.g. how wet or dry, hot or cold, calm or stormy and the amount of clouds.
Temperature	The degree of hotness or coldness of something (air, water, or the body) as shown by a thermometer. We measure this in degrees centigrade or °C.
Thermometer	A piece of equipment used for measuring temperature.
Frost	A covering of tiny ice crystals on a cold surface.
Deciduous trees	Trees where the leaves fall off.
Evergreen trees	Trees where the leaves remain green through all seasons.
Sunrise	The time that the sun comes up and night becomes day.
Sunset	The time that the sun goes down and day becomes night.
Tilt	To lean slightly to the side.
Orbit	To move around something.
Axis	A straight line that an object or figure rotates on.
Rotate	To turn.