

Penguins and Firecrests

Science

Spring 1



The seasons and the weather

The four seasons

There are four seasons in the year. Spring, summer, autumn and winter. Each season lasts for about 3 months. In the summer the temperature rises and it is warmer. In the winter the temperature goes down and it is colder.



The weather forecast

A weather forecast helps people to prepare for different types of weather. Although a weather forecast is not always completely accurate, it is the best prediction that can be made based on the information that scientists have at the time. To gather this information scientists called Meteorologists study cloud movements, temperature and rainfall. Once they have collect all the information they need, Meteorologists are then able to use symbols to show people what they predict the weather is going to be in the next few days.

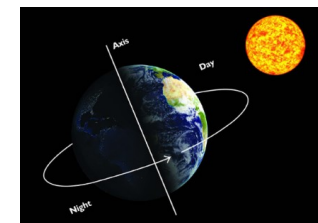


Different types of cloud

	cirrus	White, feathery, highest
	stratus	Wide blankets of gray, "high fogs" low
	stratocumulus	Gray, low in the sky, lumpy
	cumulus	Puffy, flat bottoms, low in the sky
	cumulonimbus	Thunderstorm clouds, look like mountains of very tall cumulus clouds

The Earth's Axis

The tilt of the Earth's axis means that we have more sunlight during the season of summer and less sunlight during the season of winter.



Key Vocabulary	Definition
Axis	The off centre way in which the earth spins and orbits the sun
Data	Quantities that have been measured and recorded
Droplet	A small drop of liquid
Graph	A way of showing data as a picture
Measure	To find out how much there is of something
Meteorologist	A scientist who studies the weather
Record	To write down the information that has been recorded
Seasons	Each of the four divisions of the year (Spring, summer, autumn, winter) marked by particular weather patterns and daylight hours
Weather	The state of the atmosphere at a particular place at a particular time

Tools used to measure weather data

People have been measuring the weather for many years, using different tools and methods in order to help them do this. Some of these tools are still used today to measure things like rainfall, temperature and wind direction and speed.

