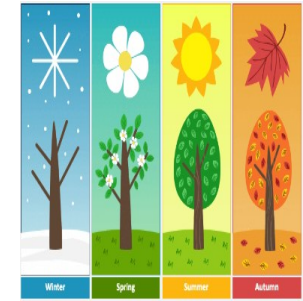


# Swans Science Spring 1

## 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 lowers 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.

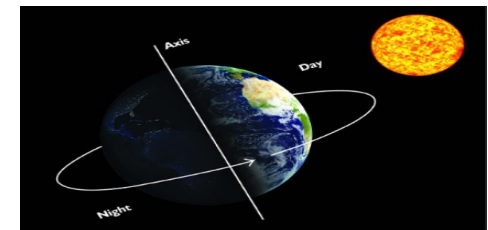


### Different types of cloud

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

### The Earth's Axis

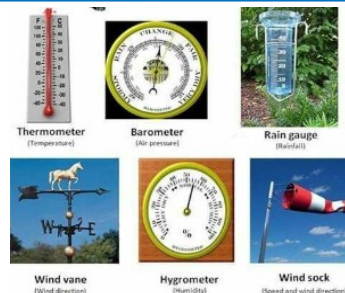
The tilt of the Earth's axis means that we have more sunlight during the season of summer and less sunlight during the season of winter.



Key Vocabulary	Definition
<b>axis</b>	The off centre way in which the earth spins and orbits the sun
<b>data</b>	Quantities that have been measured and recorded
<b>droplet</b>	A small drop of liquid
<b>graph</b>	A way of showing data as a picture
<b>measure</b>	To find out how much there is of something
<b>meteorologist</b>	A scientist who studies the weather
<b>record</b>	To write down the information that has been recorded
<b>seasons</b>	Each of the four divisions of the year (Spring, summer, autumn, winter) marked by particular weather patterns and daylight hours
<b>weather</b>	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.



*End of Unit: The seasons and the weather*

*What is the name of a scientist who studies the weather?*

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*What are the names of the four seasons?*

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*How can we measure rainfall and wind direction?*

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