

Preston Primary School Knowledge Organiser

Topic: Science – Seasonal changes

Term: Autumn 1

Year: 1 & 2

Duration: 7 lessons

The Powerful Knowledge we will take away from this Learning Enquiry (what we will be learning):

	The four seasons and the months in each season
	The different types of clouds
	What the wind is and how to measure it
	How to measure rainfall using a rain gauge
	How to use a thermometer to measure water temperature
	To measure and record the temperature outside
	How much daylight there is in different seasons and what this means for plants and animals.

Our Key Vocabulary:

Word		Meaning
Spring		The season of the year between winter and summer, lasting from March to June.
Summer		The season of the year between spring and autumn when the weather is warmest, lasting from June to September.
Autumn		The season of the year between summer and winter, lasting from September to November.
Winter		The season between autumn and spring when the weather is coldest, lasting from November to March.

What I already know:

In Puffins and Penguins, I learned about Harvest time and celebrated different festivals during the year.

Facts about seasons

- In the UK we have four seasons: spring, summer, autumn and winter. Summer is the hottest season and winter the coldest.
- Spring starts when the day and night are the same length (usually 21st March). However, many say that Spring starts on March 1st.
- In summer the longest day of the year is around 21st June and in winter the shortest day is usually 21st December.
- When we have our summer, it is winter in the southern hemisphere. When we have our winter Australia has its summer.
- In the USA and many other countries, the season 'Autumn' is known as the 'Fall'. This is because so many leaves fall from the trees in Autumn.
- Seasons change throughout the year because of the way the Earth travels around the Sun.

Key Scientists

John Dalton (1766 – 1844) – Famous for the amount of time he kept a weather diary for.

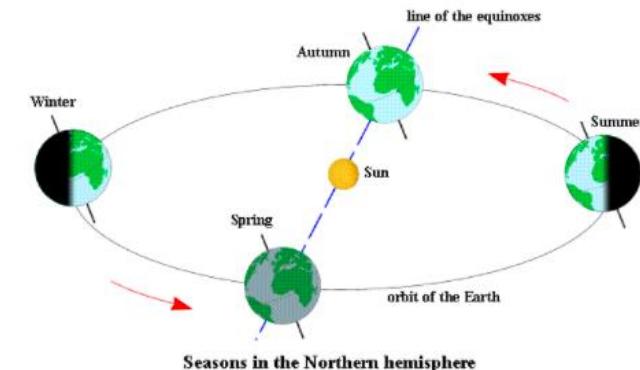
<https://blog.sciencemuseum.org.uk/celebrating-john-dalton/>

Gabriel Fahrenheit (1686 – 1736) – Inventor of the first modern thermometer.

<http://inventors.about.com/od/fstartinventions/a/Fahrenheit.htm>

Inez Fung (1941 -) – Studies climate change.
<https://royalsociety.org/people/inez-fung-14092/>

Images:



Further Vocabulary

weather		The conditions in the air above the earth such as wind, rain, or temperature, especially at a particular time over a particular area.
climate		The general weather conditions usually found in a particular place.
thermometer		A device used for measuring temperature, especially of the air or in a person's body.
Rain gauge		A device for measuring how much rain falls.