

Calcot Schools Knowledge organiser – Science

Topic: Seasonal Changes

Phase: Year 1









Strand: Physics

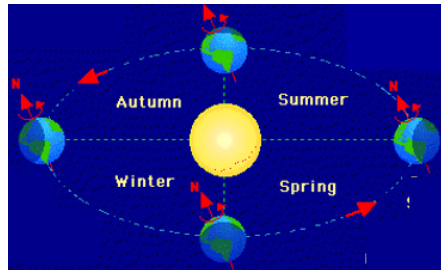
Prior knowledge from previous year groups:

PD - ELG 5 Health and self care
wearing a coat when you are cold, taking your jumper off when you are hot, not looking at the sun, wearing sunglasses and sun cream to protect yourself from the sun
PC - ELG 14 The world around them
noticing changes in their environment

Diagrams:

A tree through the seasons

	<p>Autumn</p> <ul style="list-style-type: none"> Leaves begin to change colours to oranges, reds and browns and fall from the tree. 	 <p>Autumn</p> <p>September October November</p>
	<p>Winter</p> <ul style="list-style-type: none"> Trees are bare without leaves. Branches and twigs are most visible. 	 <p>Winter</p> <p>December January February</p>
	<p>Spring</p> <ul style="list-style-type: none"> New leaves and buds begin to grow. 	 <p>Spring</p> <p>March April May</p>
	<p>Summer</p> <ul style="list-style-type: none"> Trees appear full of leaves. 	 <p>Summer</p> <p>June July August</p>



What will the children know by the end of the unit?

What is a season?

What are the seasons called?

When are the seasons in England?

What weather changes do we see in each season?

What environmental changes do we see in each season?

How do trees change throughout the seasons?

Why do some trees lose their leaves?

How do humans adapt to each season?

How does the length of day change throughout the seasons?

How do animals survive the winter?

Greater depth:

Does the whole world have the same seasons?

Investigate!

-Charting the daily weather and comparing to Antarctica

-Creating rain gauges and recording rain fall

-Autumnal walk to identify signs of autumn

Vocabulary:

season	The parts of the year are split into Autumn; Winter; Spring; Summer
weather	The way the air and atmosphere feels
temperature	The measure of how hot or cold something is
climate	The pattern of weather in an area over a long period of time
daylight	The natural light from the sun
sunrise	The time when the sun light appears
sunset	The time when the sun light disappears
day length	The length of time between sunrise and sunset
deciduous	A tree losing its leaves annually
evergreen	Trees and plants that keep green leaves throughout the year
hibernate	An animal becoming inactive over the winter period