

Science Knowledge Organisers

Science Focus





Seasonal Changes

Year 1

Autumn 1

Key Knowledge									
What is a season?	The year is divided into four parts according to the weather and daylight hours. Each part is called a season.								
Does the whole world have the same seasons?	No - the seasons happen at different times in the top half of the world (Northern Hemisphere) compared with the bottom half of the world (Southern Hemisphere)								
Where are we?	In England, we are in the Northern Hemisphere								
What are the seasons?	Autumn, winter, spring, summer								
When are the seasons in England?	<table border="1" style="width: 100%;"> <tbody> <tr> <td>Autumn</td> <td>September October November</td> </tr> <tr> <td>Winter</td> <td>December January February</td> </tr> <tr> <td>Spring</td> <td>March April May</td> </tr> <tr> <td>Summer</td> <td>June July August</td> </tr> </tbody> </table>	Autumn	September October November	Winter	December January February	Spring	March April May	Summer	June July August
Autumn	September October November								
Winter	December January February								
Spring	March April May								
Summer	June July August								
Autumn	Temperatures get progressively colder, the weather is very changeable and there is 12 hours of light per day on average.								
Winter	<ul style="list-style-type: none"> □ Temperatures are at their coldest □ The weather is generally wet, windy and cloudy at the start of the season becoming drier and much colder in the later part of the season. □ 8 hours of light per day on average. 								
Spring	<ul style="list-style-type: none"> □ Early spring can be quite cold, and occasionally the lowest temperatures of the year can occur in March □ There is a fair chance of snow earlier in the season often in March □ Temperatures get progressively warmer throughout the season. □ 13 hours of light per day on average. 								
Summer	<ul style="list-style-type: none"> □ The warmest and sunniest of the seasons □ Thunderstorms are more likely in the Summer. □ 16 hours of light per day on average. 								

Key Vocabulary	
Weather	The conditions outside
Temperature	The measure of how hot something is
Seasons	The parts a year is split into

Diagrams and Symbols		
<u>A tree through the seasons</u>		
	Autumn	<ul style="list-style-type: none"> • Leaves begin to change colours to oranges, reds and browns and fall from the tree.
	Winter	<ul style="list-style-type: none"> • Trees are bare without leaves. • Branches and twigs are most visible.
	Spring	<ul style="list-style-type: none"> • New leaves and buds begin to grow.
	Summer	<ul style="list-style-type: none"> • Trees appear full of leaves.

Possible Experiences
<ul style="list-style-type: none"> □ Chart the weather daily and produce recorded weather reports focusing on type of weather, daylight hours and temperature. □ Predict the weather for the next day based on wind direction and cloud conditions. □ Investigate seasons in the Southern Hemisphere.

Greater Depth Thinking

Why do we have seasons? Do different places in the world have the same seasons as us?