

Uplands Manor Primary School - Science Unit Organiser





Science Topic:	Seasonal Changes	Year 1	
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What? (Key Vocabulary)	
Spelling	Definition/Sentence
Weather	The conditions outside
Seasons	The parts a year is divided into
Leaves	Usually flat and green growing from a stem
Thunderstorm	A storm of heavy rain with thunder and lightning
Temperature	The measure of how hot something is

What? (Key Knowledge)	
Seasons	
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 called?	Autumn, Winter, Spring and Summer

Diagrams and Symbols





A tree through the seasons

	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

When are the seasons in England?	Autumn	September October November	Spring	March April May
	Winter	December January February	Summer	June July August

Weather and daylight during the seasons	
Autumn	<ul style="list-style-type: none"> Temperatures get progressively colder The weather is very changeable 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

Recommended Experiments

<p style="text-align: center; margin: 0;">A minimum of two experiments should take place during this unit of work with one final written outcome linked to one of the scientific enquiry skills and approaches used.</p>	
	Predict the weather for the next day based on wind direction and cloud conditions - record a weather broadcast on an iPad
	Investigate seasons in the Southern Hemisphere
	Chart the weather daily and produce recorded weather reports focusing on type of weather, daylight hours and temperature
	Investigate animal behaviours during the seasons

The Sun	
WARNING	<p style="margin: 0; font-size: small;">IT IS NOT SAFE TO EVER LOOK DIRECTLY AT THE SUN, EVEN WHEN WEARING SUNGLASSES.</p>

Builds on: learning in Reception - Understanding the World: The Natural World	Learning links	Leads to: learning in Year 2 - Summer - Unit: Living Things and Their Habitats
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