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| **Unit: Weather** | **Year 1** | **Strand: Physics** |

Teach the children to never look directly at the sun.

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| **What will be taught through the unit:**   * **To observe changes across the four seasons in the UK** * **Observe and describe the weather associated with the seasons and how the day length varies.** | |
| Weather is the way the air and the atmosphere feels. It includes the outside temperature, strength of the wind, and whether it is sunny, raining, hailing, snowing, sleeting, foggy or cloudy.  The weather in the UK changes regularly and tends to be different during different seasons and across different countries. | Weather symbols: |
| There are four seasons in the UK. Spring, summer, autumn and winter.  The length of the day depends on the season. | In the UK you may see:  Autumn:   * Temperature gets colder, weather is changeable, 12hours of daylight per day on average.   Winter:   * Temperatures are at their coldest, is generally wet, windy and cloudy at the start of the season, becoming much colder and dryer in the later part. Average sunlight 8 hours per day.   Spring:   * Early spring can be cold, a fair chance of snow early in the season, temperatures rise as the season progresses. Average sunlight of 13 hours per day.   Summer:   * Warmest and sunniest of the seasons. Thunderstorms are more likely in summer. Average daylight 16 hours on average. |
| We call the general weather trends and the extremes of weather in one place a climate. | These are 5 types of climate:  Polar, cold, temperate, dry and tropical.  The UK is a temperate climate. A temperate climate is one that is not too extreme. |
| When something blocks light travelling from a source, a shadow is made.  The length of shadows changes through the day and through the seasons depending on where the sun is in the sky (the light source). | |

**Investigations:**

* Observe weather changes throughout the year.
* Make tables and charts about the weather.
* Investigate the weather in a different country.

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| **Vocabulary:** | |
| Spring  Summer  Autumn  Winter  Rain Gauge  Thermometer  Weather Vane  Data  Clouds  Flood  Hurricane  Shadow  Climate | The season after winter, when the temperature begins to rise, plants begin to grow and animals come out of hibernation.  The warmest season, coming after spring, when the days are longer because the sun rises earlier and sets later.  The season after summer, where the days get shorter, crops can be harvested and the leaves begin to fall from the trees.  The coldest season, where trees are bare and some animals hibernate.  A tool used to collect and measure rainfall.  A tool used to measure the temperature.  A tools used to measure which direction the wind is blowing.  A collection of facts, often numbers that can tell us information.  A cloud is a collection of tiny droplets of water in the sky. When the droplets fall they become rain.    An overflow of water  A powerful storm with strong winds.  A dark area or shape produced by an object blocking rays of light.  The weather conditions in an area in general or over a long period. |

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| **What I Should Already Know:** |
| * There are different types of plants. * Plants grow |

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