

<b>Key questions:</b> <ul style="list-style-type: none"> <li>Why does the length of day change according to the season? What instruments are used to measure and record weather? How does weather affect my life?</li> </ul>	
<b>Key knowledge:</b> <ul style="list-style-type: none"> <li><b>A day is 24 hours long.</b> Days are made up of <b>day-time</b> and <b>night-time</b>. It is <b>light during the day-time (sun is out)</b> and it is <b>dark at night-time (no sun)</b>.</li> <li>Day length is <b>shortest in winter</b>, longer in spring and even <b>longest in summer</b>. After summer it is Autumn when days get shorter and colder.</li> <li><b>Deciduous trees</b> will shed/drop their leaves in Autumn, remain bare in winter and sprout new flowers/leaves during spring which will <b>blossom</b> throughout the summer.</li> <li>In cold countries people wear thick, warmer clothes to <b>insulate them (trap heat)</b>. In hot countries they wear lighter clothes to keep them cool.</li> </ul>	
<p>The weather changes with the changes in the seasons.</p>	
<p>Thermometer (temperature) Anemometer (wind speed) Rain gauge (amount of rain) Wind vane (wind direction)</p>	<b>Key knowledge:</b> <ul style="list-style-type: none"> <li><b>Anemometer</b> is an instrument that measures wind speed and pressure. It is an important tool for <b>meteorologists (scientists who predict/forecast the weather)</b></li> <li><b>Rain gauge</b> is a device used to gather and measure the amount of rainfall.</li> <li><b>Thermometer</b> is partly filled with a liquid <b>metal called mercury</b> - as the temperature around it increases the liquid rises to show how hot or cold it is.</li> <li><b>Wind vanes</b> help us to determine wind direction, which is important in predicting weather because wind brings us our weather.</li> </ul>
<b>key knowledge:</b> <ul style="list-style-type: none"> <li>Weather affects how people live their lives and the choices they make with what to do in the leisure time or the clothes they might wear.</li> <li>Extreme weather such as hurricanes and droughts, will impact on the safety of people and how they live.</li> <li>Weather affects the growth of crops which affects the availability and kinds of foods we eat.</li> </ul>	<p><b>Be SunSmart</b> Slip! Slop! Slap! Seek! Slide!</p> <p>Skin Cancer Prevention Aussie Style</p> <p>I will know how to be safe in the sun. I know to NEVER look directly at the sun</p>
<b>Key vocabulary:</b> <ul style="list-style-type: none"> <li><b>Weather</b> – the condition outside at a particular time or place e.g windy, cloudy, sunny, snow, rain, sleet, fog</li> <li><b>Climate</b> – the usual weather conditions in a place.</li> <li><b>Sunrise</b>- when the sun comes up and daytime begins (this changes with the seasons).</li> <li><b>Sunset</b> – when the sun disappears and night-time begins (this also changes with the seasons).</li> <li><b>Summer</b> - June, July, and August, in the UK. Tends to be warmer, more sun, day-times are much longer and flowers are in full bloom with insects are pollinating flowers.</li> <li><b>Autumn</b> - months of September, October and November, in the UK- leaves on trees change brown and red. The ground is muddier, less sun and more rain. Day-time is starting to get shorter.</li> <li><b>Winter</b> - December, January and February, in the UK. Sometimes snow will fall, temperature is much colder, day-time is at its shortest. Few flowers or animals can be seen (many are hibernating – sleeping for the winter).</li> <li><b>Spring</b> - the season between Winter and Summer which falls in the months of March, April and May, in the UK.</li> <li><b>Sleet</b> - a mixture of snow and rain that freezes on its way down.</li> <li><b>Fog</b> - tiny water drops hovering in the air – a low lying cloud.</li> <li><b>Temperature</b> - how hot or cold it is, measured in degrees Celcius or degrees Farenheit.</li> </ul>	
<b>Working like a scientist (outputs)</b>	
<ul style="list-style-type: none"> <li>Create a rain gauge and windsock to measure rainfall and wind direction.</li> <li>Compare and contrast different seasons</li> <li>Observe and describe different types of weather – create a weather report and weather diaries.</li> </ul>	<ul style="list-style-type: none"> <li>Collect, record and interpret data based on weather e.g sun-rise/ sunset times and rainfall.</li> <li>Describe how day length varies between seasons using diagrams.</li> <li>Make observations about changes across seasons.</li> </ul>