



Unit Overview	Children need to make careful observations and take photos of the school environment over time. This will involve 2/ 3 sessions each half term to talk about the weather and record findings ready for the final weather unit of the year.	
Prior Learning/ Links	EY – Children have learnt about seasons and how the weather changes in the UK over the year.	
Unit Title:	Substantive Knowledge	Disciplinary Knowledge
<p>Key Questions:</p> <p>What happens when the season turns from Summer to Autumn?</p> <p>How do we measure how warm or cold it is outside?</p> <p>What do we use to measure the temperature?</p>	<ul style="list-style-type: none"> • Children know the names of the 4 seasons we have in Great Britain. • Children can name the key features of each season, referring to temperature and typical weather features. • Children are able to talk about the weather using correct terminology: sunny, rainy, windy, cols, mild, hot, dry, snow, frost. • Children know that when the seasons change the days get longer or shorter so in summer the days are long and in winter the days are shorter because it goes dark earlier. • Children know the names of common equipment used to record weather – Wind vane, rain gauge, thermometer. • Children can talk about how to collect information about the weather over time – they can use temperature as an example of this. (CHILDREN NEED TO TAKE THE TEMPERATURE EACH WEEK TO RECORD.) <p>THIS UNIT IS TO BE DELIVERED AS A SUMMARY DURING THE SUMMER TERM. PRIOR TO THIS, THE CHILDREN NEED TO TAKE THE TEMPERATURE EACH WEEK AND MAKE SOME OBSERVATIONS ABOUT WHAT THEY CAN SEE/ FEEL OUTSIDE.</p> <p>This information culminates in the final unit where children learn about weather features, correct terminology and look at the temperatures recorded over the year.</p>	<p>Questioning and Planning Plan a simple investigation Asking and answering questions about the world around them Perform a simple test</p> <p>Observation and Measurement Make simple observations Children can say what they think will happen</p> <p>Recording and Presenting Draw simple pictures of observations Communicate simple observations orally Use a simple chart</p> <p>Analysing and Evaluating Compare and group using simple criteria Say whether what happened was the same as what they expected.</p>
Vocabulary	Trips/ Visits/Useful Websites/ Resources	Key Misconceptions:
<p>Substantive: Weather Temperature Degrees</p>	<p>Year 1: Plants STEM</p> <p>Plants - KS1 Science - BBC Bitesize</p>	<p>That all trees lose leaves in winter</p>



Science Unit Planner Year: 1

Title: Trees and Plants

<p>Rain gauge Thermometer Wind Rain Sun Dry Hot Cold Mild Frosty snow</p> <p>Disciplinary: Observe equipment Measure Prediction</p>	<p>Free Lesson Plans on Environmental Issues and Sustainability for Teachers Young People's Trust For the Environment (ypte.org.uk)</p> <p>Explore weather and climate - BBC Bitesize</p>	
---	---	--