



Unit Overview	Children learn about plants and trees – their names and the different types, including those plants we grow for food. They are taught the names of common trees and plants – including non – flowering plants and those we sometimes call weeds. Children learn that plants need to be cared for and should be valued for many different reasons.	
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
Key Questions: What do we use different plants for and can you give some examples? Why are the roots so important on a plant or tree and what would happen if the roots were damaged?	<ul style="list-style-type: none"> • Children know there are different types of trees and plants. • They know a tree has a trunk, branches, leaves, roots. • That some trees are deciduous (they lose their leaves during the Autumn and Winter), some trees are evergreen (they do not lose their leaves). • Common tree names: Beech, Oak, Elm, Willow • Plants have common features – stem, leaves, roots. • Some plants are plants that we grow because they are nice to look at or provide food. • Some plants grow where we do not want them and we call these weeds. • Common plant names: Daffodil, Tulip, Rose, Carnations, Lily. Dandelion, daisy. • Children know you can take measurements over time – they can talk about measuring the growth of a plant. • Children know that you can use measurements to record changes. • Plants grown by humans need to be cared for to survive. 	Questioning and Planning Plan a simple investigation Asking and answering questions about the world around them Perform a simple test Observation and Measurement Make simple observations Children can say what they think will happen Recording and Presenting Draw simple pictures of observations Communicate simple observations orally Use a simple chart Analysing and Evaluating Compare and group using simple criteria Say whether what happened was the same as what they expected.
Vocabulary	Trips/ Visits/Useful Websites/ Resources	Key Misconceptions:
Substantive: Roots Stem	Year 1: Plants STEM	That all tree lose leaves in winter



Science Unit Planner Year: 1

Title: Trees and Plants

<p>Leaves Petal Branch Flower Deciduous Evergreen Vegetables Fruit Seeds wild</p> <p>Disciplinary: Observe Change Dissect Record Group compare</p>	<p>Plants - KS1 Science - BBC Bitesize</p> <p>Free Lesson Plans on Environmental Issues and Sustainability for Teachers Young People's Trust For the Environment (ypte.org.uk)</p>	
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