


Session title	Plant Detectives	
Key Q	Which plants live in the wetland?	
Session description	Explore wetland habitats to find a variety of plants. How can we identify and group these plants based on features such as their leaf shapes or seeds? What do these plants need to stay healthy and what role do their different parts play?	
Key Stage suitability	KS1	
Duration	1 hour	

Curriculum links	<p>KS1 Science</p> <p>Year 1</p> <ul style="list-style-type: none"> <li>▪ Plants <ul style="list-style-type: none"> <li>○ Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> </ul> </li> </ul> <p>Year 2</p> <ul style="list-style-type: none"> <li>▪ Living things and their habitats <ul style="list-style-type: none"> <li>○ Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other</li> <li>○ Identify and name a variety of plants and animals in their habitats, including microhabitats</li> </ul> </li> </ul>		
Learning outcomes	All learners		More able learners
	<ul style="list-style-type: none"> <li>▪ Will be able to recognise that leaves have different shapes and textures</li> <li>▪ Will be able to talk about characteristics of a plant using descriptive language</li> <li>▪ Will be able to contrast and compare different leaves</li> </ul>		<ul style="list-style-type: none"> <li>▪ Will be able to memorise and recognise a plant species</li> </ul>
Key vocabulary	<ul style="list-style-type: none"> <li>▪ Roots</li> <li>▪ Stem</li> <li>▪ Leaves</li> <li>▪ Flower</li> </ul>	<ul style="list-style-type: none"> <li>▪ Texture</li> <li>▪ Smooth</li> <li>▪ Rough</li> <li>▪ Shape</li> </ul>	<ul style="list-style-type: none"> <li>▪ Bumpy</li> <li>▪ Zig-zag</li> <li>▪ Smelly</li> </ul>

Session Outline	Time
Introduction	5 mins
Learners are introduced to the main parts of plants (roots, stem, leaves, flower) and discuss which might be most useful in identifying a plant.	
Section 1: Grouping plants	15 mins
Learners group and classify leaves according to their appearance.	
Section 2: Introduction to leaf ID challenge	5 mins
Learners are introduced to their next activity.	
Section 3: Leaf ID challenge	20 mins
Learners identify different plants by their leaf shapes and collect samples of each.	

Section 4: Sharing	5 mins
Learners will share their experiences finding and identifying different plants.	
Plenary	5 mins
Children play 'Guess who?' asking questions to identify which plant someone is thinking of. This gives them a chance to practise using the new vocabulary they've learned e.g. lobed. toothed etc.	