



Knowledge Organiser	Subject: Science	Topic: Identifying plants	Year: 1
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<u>Key Knowledge</u> Growing locally, there will be a vast array of plants which all have specific names. These can be identified by looking at the key characteristics of the plant. Plants have common parts, but they vary between the different types of plants. Some trees keep their leaves all year while other trees drop their leaves during autumn and grow them again during spring.	<u>Key Learning</u> • Can name trees and other plants that they see regularly • Can describe some of the key features of these trees and plants e.g. the shape of the leaves, the colour of the flower/blossom • Can point out trees which lost their leaves and those that kept them the whole year • Can point to and name the parts of a plant, recognising that they are not always the same e.g. leaves and stems may not be green <u>Disciplinary Skills</u> • Making observations • Identifying change over time • Examining living things
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Key Concepts		
Understanding Plants Plants come in many forms, including trees, shrubs, and flowers. Trees are a type of plant. Not all leaves are green; they can be various colours. Stems can be different colours, not just green.	Plant Structure A tree trunk is a type of stem. Stems can be thick like tree trunks or thin like flower stems.	Plant Reproduction and Growth Blossoms are a type of flower. Plants grow in various environments, not just in pots.
Key Vocabulary		



What plants are around us and why are they special?

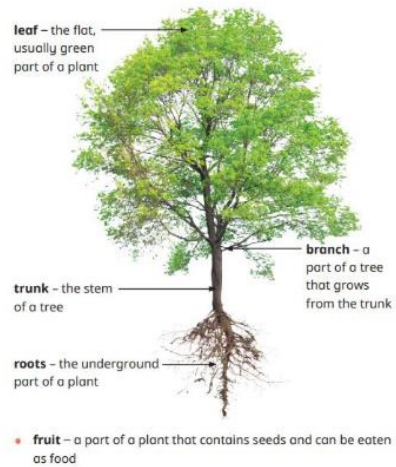
leaf	These are flat, thin and usually green.
flower	The part of a plant that is often brightly coloured.
petal	Thin, brightly coloured or white part of the flower.
fruit	Fleshy part of a plant that contains seeds or a stone.
root	The part of the plant that grows under the ground.
seed	Small part of a flowering plant that grows into a new plant.

Linking Thinking Across Our Learning Journey						
Early Years	Year One	Year Two	Year Three	Year Four	Year Five	Year Six
Plants/Living Things and their habitat Plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things. Explore the natural world around them.	Identifying plants	Plants/Living Things and their habitat • Observe and describe how seeds and bulbs grow into mature plants. • Observe and describe how seeds and bulbs grow into mature plants. • Find out and describe how plants need water, light and a suitable temperature to grow	Plants • Identify and name a variety of plants and animals in their habitats, including microhabitats. Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. • Investigate the way in which water is transported within plants.			

		and stay healthy.				
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Trees

Parts of a tree



Local Visits - <https://barkinganddagenhamcountryparks.com/nature-and-wildlife-walks/>

Hidden figure - Jeanne Baret (1740 - 1807) <https://www.osgf.org/blog/2020/3/4/historys-greatest-women-botanists#:~:text=One%20of%20history's%20most%20fascinating,historical%20Burgundy%20region%20of%20France.>