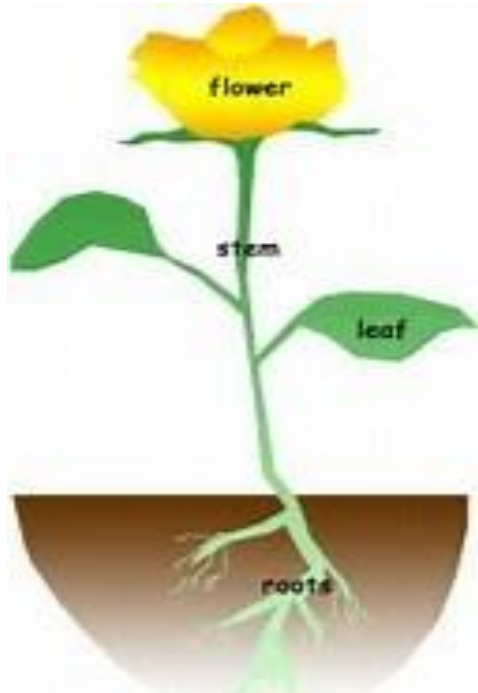
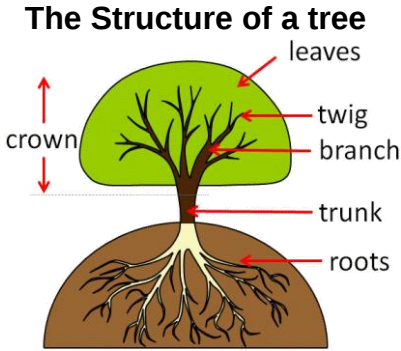




Science Knowledge Organiser:
Science unit: Plants Year group: Y1



Overview: What will we learn in this unit?		Key vocabulary	
Children will be taught about the structure of plants and trees and what they need to grow well. Children will enjoy a variety of activities including identifying common plants and trees in the garden and in the wild. They will use simple pictures to identify leaves from common trees and will sort leaves into groups. Children will plant their own sunflower seed and observe how it changes over the weeks. They will look at plants we eat and the importance of eating only plants that we know.		Scientific language	
		seed	The part of a flowering plant that can develop into a new plant.
		evergreen	A plant or tree that keeps its leaves all year.
		deciduous	A tree that loses its leaves in autumn and grows new ones in the spring.
		root	Anchors the plant to the ground and absorbs water for the rest of the plant.
		stem	Holds the plant up and carries water to the leaves and flower.
		leaves	Makes food for the flower.
		flower	Attracts insects to help pollination.
Key knowledge		Diagrams and symbols	
A Plant A living thing that usually grows from the ground. The main parts of a plant Roots Stem Leaves Flowers 5 common wild plants to identify Dandelions Daisies Nettle Thistle Clover 5 garden plants to identify Roses Tulips Daffodils Poppies Sunflowers The main parts of a tree Crown Leaves Trunk Branches Roots 5 common trees to identify Horse Chestnut Oak Sycamore Cherry Beech		The Structure of a plant  The Structure of a tree 	
		Possible experiences / research	
		- Plant and tree hunt. - Identifying trees from the shape of their leaves. - Celery/food colouring investigation to observe the role of the stem. - Planting own sunflower seed. - Observing plant growth.	
Key skills including Working Scientifically		Curriculum links	
To observe the growth of a plant by looking closely over time. To ask questions to find out what makes plants grow best. To name a selection of common and wild plants. To observe a variety of leaves to identify common trees. I can name and group common plants and trees.		English – Labelling structure of plant. Maths – Measuring plant growth. Geography – Plants that grow in different countries. Art – Observational drawings of daffodils and tulips. Christian Values – Thankfulness, respect Useful Websites https://www.topmarks.co.uk/Interactive.aspx?cat=64 http://www.crickweb.co.uk/ks1science.html https://www.bbc.com/bitesize/topics/zpxnyrd	

