

Knowledge Organiser Plants Year 1

What I have already learnt ELG's

Understanding the Natural World

- I have explored the natural world around me, making observations and drawing pictures of animals and plants;
- I have learnt about some similarities and differences between the natural world around me and contrasting environments, drawing on my experiences and what has been read in class;
- I understand some important processes and changes in the natural world around me, including the seasons and changing states of matter.

What I will have learnt by the end of this unit

- I can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
- I can identify and describe the basic structure of a variety of common flowering plants, including trees

What I will have learnt by the end of my Key Stage

- I will be able to observe and describe how seeds and bulbs grow into mature plants
- I will be able to find out and describe how plants need water, light and a suitable temperature to grow and stay healthy

Recall and Remember

Can you answer these 6 questions in 6 minutes?

1. Can you name the parts of a plant?
2. What do plants need to survive?
3. Can you name 3 garden plants?
4. Can you name 3 wild plants?
5. Can you identify the plants?
6. Can you identify the trees?

Key skills I will learn/use

Working Scientifically

- I will learn to ask simple questions and recognise that they can be answered in different ways
- I will learn to observe closely, and use simple equipment
- I will learn to perform simple tests
- I will learn to identify and classify
- I will learn to use my observations and ideas to suggest answers to questions
- I will learn to gather and record data to help in answering questions

Key Concepts

- Biology
- Chemistry
- Physics
- Scientific Enquiry
- Science for the future
- **Vocabulary**

My skills and knowledge that I may use from other subjects

Literacy- I can use my literacy knowledge to write about my findings

Geography- I can use my knowledge of the local area to think about planting things and look at where different plants grow best in the world

Mathematics- I can use my measuring skills to compare different plants

Opportunities for teaching Diversity, Equality (including protected characteristics) and expanding Cultural Capital

Visit Poet's Corner in Lealholm

- to explore a wide range of plants

North York Moors National Park Education Service Activity

Woodland Adventure

- The session takes place in Crow Wood, a small area of mixed woodland within the grounds of the visitor centre. Children learn about a woodland habitat and its wildlife through a variety of resources, sensory games and hands on activities.

Key Knowledge

- To identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
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Key Knowledge

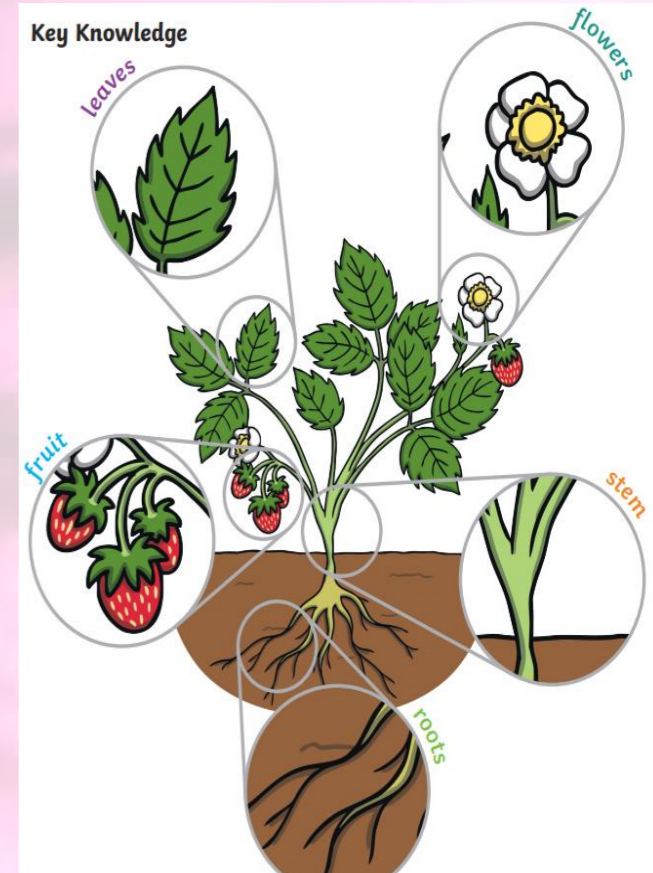
Wild Plants



Garden Plants

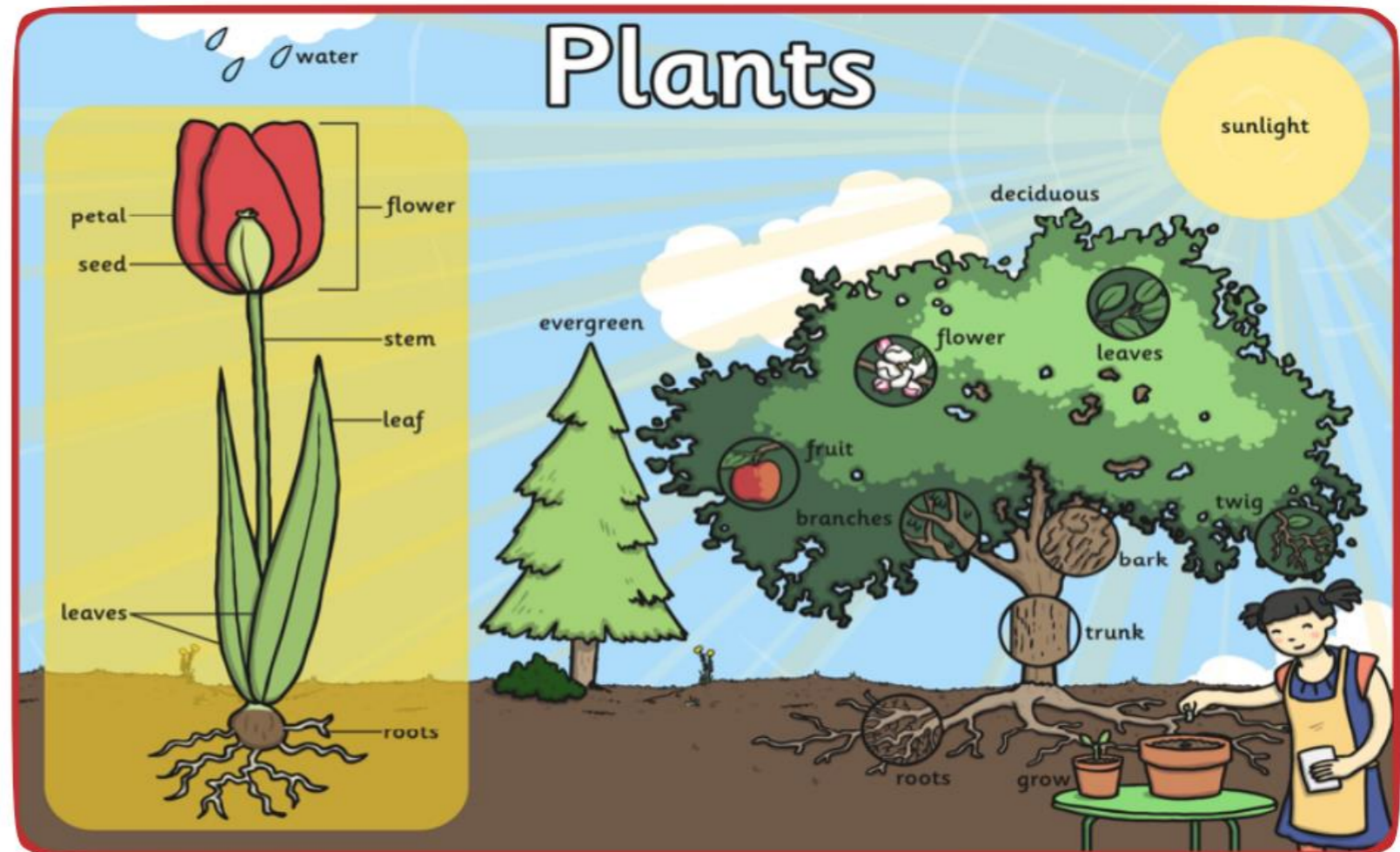


Key Knowledge



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Key Vocabulary	
leaf	The part where food is made for the plant
stem	The main stalk of the plant
roots	The part of the plant underground. They suck water and nutrients from the soil.
petal	The soft brightly-coloured part of a flower
bulb	A plant bud that starts to grow underground
seed	A small part of a flower that grows into a new plant
trunk	The main stem of a tree
branch	Stems that grow from a tree trunk
deciduous	Trees that shed their leaves once a year usually in autumn
evergreen	Trees that keep their leaves all year round



Key Questions	
What plants do I find in the local environment? How are they the same or different?	Go and look at any plants and trees you find in your garden and describe what they are like.
What do the different parts of a plant do?	The flowers attract insects. The leaves make food for the plant. The stem holds the flower and leaves. The root sucks up water from the soil to feed the plant.



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