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.

<u>Year1</u>

- 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 this unit/ 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 5 questions in 6 minutes?

- 1. Can you name the parts of a plant?
- 2. What do plants need to grow well?
- 3. Can you name 3 garden plants?
- 4. Can you name 3 wild plants?
- 5. Can you explain the life cycle of a plant?

Key skills I will learn/use

Working Scientifically

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

<u>Opportunities for teaching Diversity</u>, <u>Equality (including protected characteristics) and</u> <u>expanding Cultural Capital</u>

Visit Poet's Corner in Lealholm

• to explore a wide range of plants

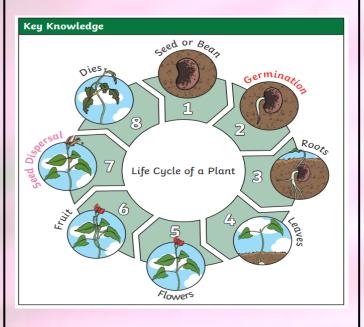
North York Moors National Park Education Service Activity

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.

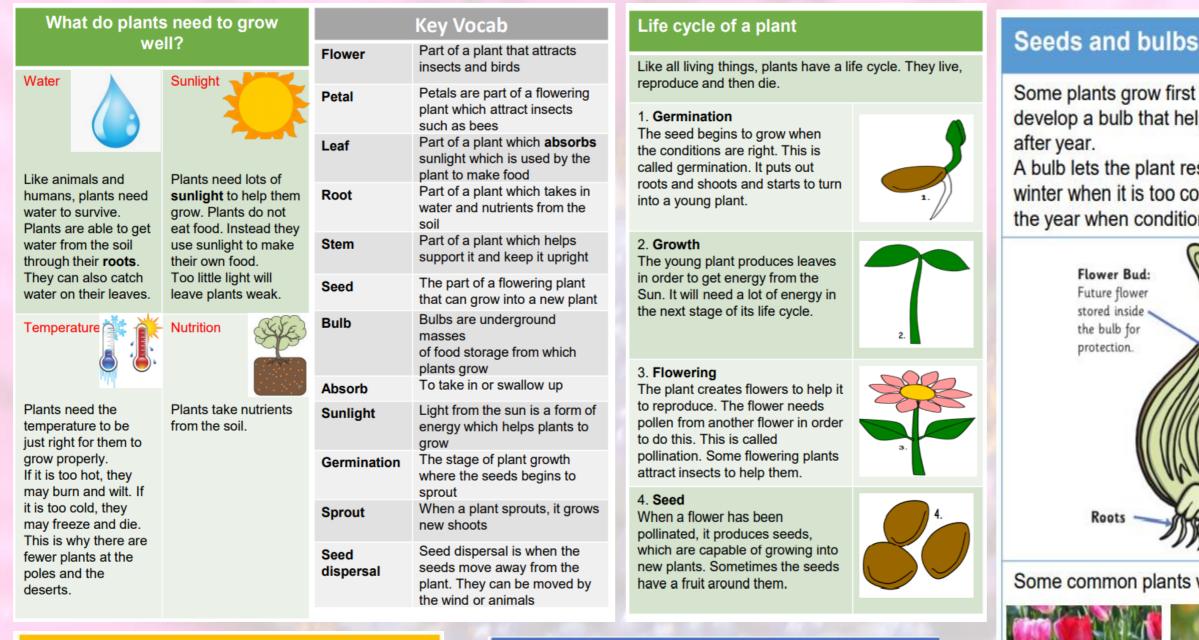
Key Knowledge

- To know how seeds and bulbs grow into mature plants
- To know why plants, need water, light and a suitable temperature to grow and stay healthy





Knowledge Organiser Plants Year 2



What you should already know...



- Plants are a large group of living things that use sunlight to make their own food
- There are many, many different kinds of plants, including trees, vines and grasses
- Plants have lots of different parts for example stems, leaves and roots
- Some trees lose their leaves in the winter (deciduous). Some keep their leaves all through the year (evergreen)
- Some plants are 'flowering plants' they grow flowers on them

How do seeds grow?

Every single seed has the beginnings of a new plant inside it, along with a little store of food to help it arow.

When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination.

Embryo: The tiny root and shoot which will grow into the adult plant.

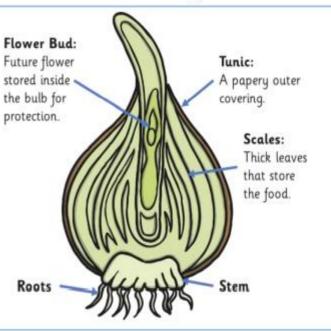
Seed Coat: A tough outer covering.

Food Store: A Store of food for the young plant to use until it has grown enough to make its own food.

3

Some plants grow first from a seed, and then develop a bulb that helps them to grow back year

A bulb lets the plant rest underground over the winter when it is too cold, then grow back later in the year when conditions are right.



Some common plants which grow from bulbs...



Knowledge Organiser Plants Year 2

