

Year 2

Unit: Plants

Intent:

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 and stay healthy.

Prior learning

Year 1 – Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.

Year 1 – Identify and describe the basic structure of a variety of common flowering plants, including trees.

Later learning (not in Year 2)

Year 3 – Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves, and flowers.

Year 3 – Explore the requirements of plants for life and growth and how they vary from plant to plant.

Year 3 – Investigate the way in which water is transported within plants.

Year 3 – Explore the part that flowers play in the life cycle of flowering plants, including pollination and seed dispersal.

Key Questions:

Which three living processes do plants do?

Which three things does a plant need to grow well?

Name 2 different root vegetables.

Where are seeds found in fruits?

Can you name any plants that grow around school?

Key learning

Plants are living things and require things to grow. They require water, warmth, nutrients from the soil (food), and light to grow. If they do not have one or more of these things, they may stop growing. Plants can: move, grow, react to their surroundings (sense), absorb nutrients, and reproduce.

Many plants provide us with food by growing fruits which carry their seeds.

When farmers grow plants to provide us with food, these are called crops.

We eat many fruits that contain seeds. We also eat different parts of vegetable plants.

We eat grains and cereals from plants too.

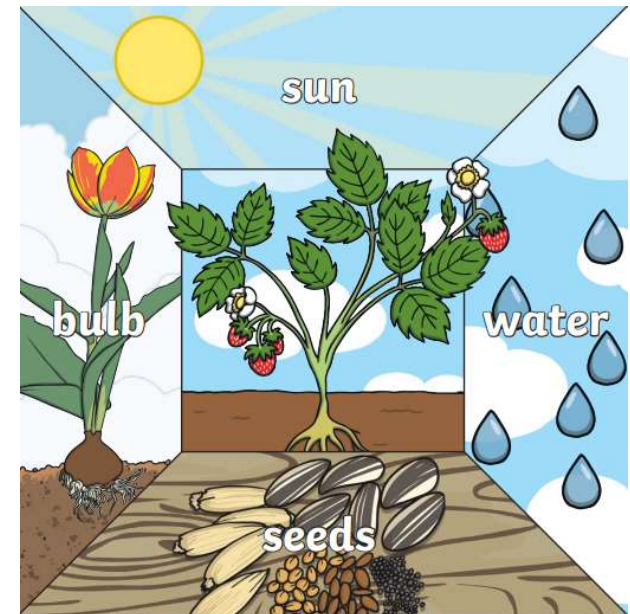
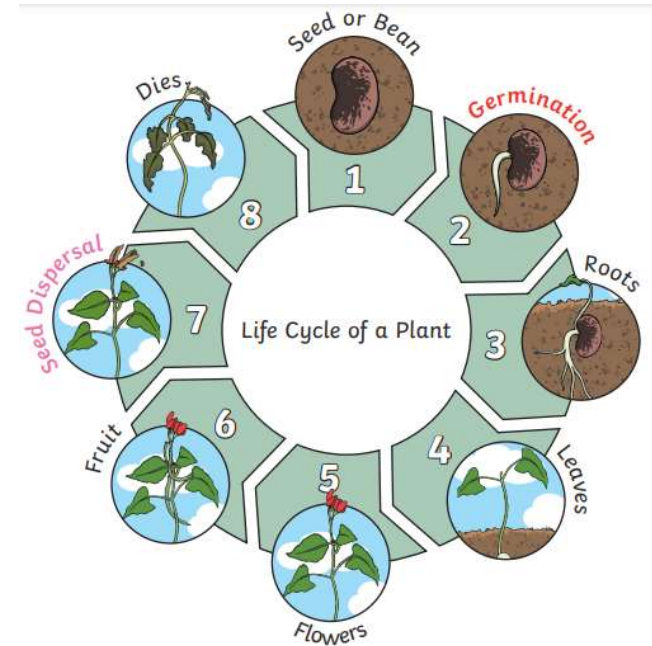
Nuts and seeds are also sometimes eaten.

Many herbs are also grown to add flavour to foods.

Plants may grow from either seeds or bulbs. These then germinate and grow into seedlings which then continue to grow into mature plants.

These mature plants may have flowers which then develop into seeds, berries, and fruits.

Seeds and bulbs need to be planted outside at different times of the year and they will germinate and grow at different rates.



Vocabulary

Branches	Parts that grow out from the tree trunk and have leaves, flowers, or fruit.
Bulb	A root shaped like an onion that grows into a flower or plant.
Categorize	Place in a particular group.
Common	Something that is found in large numbers, or it happens often.
Crop	Plants such as wheat and potatoes that are grown in large quantities for food.
Deciduous	A tree that loses its leaves in the autumn every year.
Dissect	Cut up to see the inside.
Evergreen	A tree or bush which has green leaves all year round.
Flower	The part of the plant which is often brightly coloured and grows at the end of a stem.
Flowering	Trees or plants that produce flowers.
Fruit	Something which grows on a tree or bush which often contains seeds, or a stone covered by a substance that you can eat.
Garden	A piece of land next to a house, with flowers, vegetables, other plants, and often grass.
Herb	A plant whose leaves are used in cooking to add flavour to food, or as a medicine.
Leaf/leaves	The parts of a tree or plant that are flat, thin, and usually green.
Lifecycle	The changes in the life of a living thing, including reproduction.
Nutrients	The substances that help plants and animals to grow.
Petal	Thin coloured or white parts which form part of the flower.
Plant	A living thing that grows in the earth and has a stem, leaves, and roots.
Reproduce	When an animal or plant produces one or more individuals like itself.
Roots	The parts of the plant that grow under the ground.
Seed	The small, hard part from which a new plant grows.
Stem	The thin, upright part of a plant on which the flowers and leaves grow.
Tree	A tall plant that has a hard trunk, branches, and leaves.
Trunk	The large main stem from which branches grow on a tree.
Vegetable	Plants such as cabbages, onions, and potatoes that you can cook and eat.
Vegetation	Plants, trees, and flowers.
Weed	A wild plant that grows in the garden and stops the growth of other plants.
Wild	Animals and plants that live or grow in natural surroundings and are not looked after by people.