



We are Scientists...

Plants

We are curious, we are unique, we are together, we are Whiteshill!



How do plants grow?

Seeds – the part which can grow in to a new plant.

Germinate – begin to grow and put out shoots.

Shoots – young branch or stem.

Beans - edible seeds.

Fruit – edible structure that holds the seeds.



What makes a healthy plant?

Green leaves

Straight strong stem

Bright, vibrant flower

Processes

Transpiration – water moves up the stem from the roots to the leaves.

Pollination – bee gets pollen stuck on body from stamen of one flower and rubs it off on stigma of another.

Fertilisation – pollen attaches and creates a new seed.

Seed dispersal – new seed ends up in the soil e.g. blown by wind, bird waste, fall down and scatter, stick in animal's fur.

Parts of a Plant

Root – anchor the plant and transfer nutrients from the soil.

Stem/trunk - structure and transport nutrients.

Leaves – get nutrition from the sun.

Flowers/blossom - attract pollinators

Bulb - store food for the plant (not all plants have these).

Stamen and Stigma – reproduction.

What does a plant need to grow?

light, suitable temperature (not too hot or too cold), water, air and nutrients from the soil.

Sunflower

Lavender

Primrose

Bluebell

Daffodil

Rose

Oak Tree (non-flowering)

Fir Tree (Evergreen)

Horse Chestnut Tree (flowering and deciduous)

