

Science Knowledge Organiser

Year 1/2 Autumn 2

Plants

Year

Main Foci:

Biology

What should I already know from Reception/Year 1

What will I know by the end of the unit?

What are the names for parts of a plant?

- I know a healthy plant has a rich (dark) green stem and leaves, straight stem that lifts the flower off the soil
- I know a healthy plant has damp roots

Where does water go in a plant?

- I know a healthy plant has damp roots, liquid / water in its stem and leaves

Do plants need water to grow?

- I know the soil around a healthy plant is damp
- I know that without water a plant will not grow in height, it may shrink in size, leaves can become brown and brittle
- I know that too much or too little water can make a plant unhealthy
- I know without water, soil becomes very hard and the roots dry out

Do plants need warmth to grow?

- I know that cool weather stops most plants growing, warm weather speeds up growing
- I know that plants need warmth to grow, but being too hot or too cold can lead them to become unhealthy
- I know a plant that is too hot will wither and could die
- I know a plant that is too cold will freeze and could die if not hardy to cold weather
- I know a plant kept in the correct temperature will be strong and healthy

Do plants need light to grow?

- I know that without light, the plant will not grow healthily (pale leaves, too tall, weak stem)
- I know that the stem grows up towards light and when light is limited

Vocabulary

roots

stem

leaves

grow

temperature

light

healthy

unhealthy

plant

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