

# Science Knowledge Organiser

# Year 1/2 Autumn 2

Science Knowledge Organiser		
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?	<ul style="list-style-type: none"> <li>I know a healthy plant has a rich (dark) green stem and leaves, straight stem that lifts the flower off the soil</li> <li>I know a healthy plant has damp roots</li> </ul>
Where does water go in a plant?	<ul style="list-style-type: none"> <li>I know a healthy plant has damp roots, liquid / water in its stem and leaves</li> </ul>
Do plants need water to grow?	<ul style="list-style-type: none"> <li>I know the soil around a healthy plant is damp</li> <li>I know that without water a plant will not grow in height, it may shrink in size, leaves can become brown and brittle</li> <li>I know that too much or too little water can make a plant unhealthy</li> <li>I know without water, soil becomes very hard and the roots dry out</li> </ul>
Do plants need warmth to grow?	<ul style="list-style-type: none"> <li>I know that cool weather stops most plants growing, warm weather speeds up growing</li> <li>I know that plants need warmth to grow, but being too hot or too cold can lead them to become unhealthy</li> <li>I know a plant that is too hot will wither and could die</li> <li>I know a plant that is too cold will freeze and could die if not hardy to cold weather</li> <li>I know a plant kept in the correct temperature will be strong and healthy</li> </ul>
Do plants need light to grow?	<ul style="list-style-type: none"> <li>I know that without light, the plant will not grow healthily (pale leaves, too tall, weak stem)</li> <li>I know that the stem grows up towards light and when light is limited</li> </ul>

Vocabulary	
roots	
stem	
leaves	
grow	
temperature	
light	
healthy	
unhealthy	
plant	

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