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|  **Plants** | **Working Scientifically** |
| * Can they identify and describe the functions of different parts of flowering plants? (roots, stem/trunk, leaves and flowers)?
* Can they explore the requirement of plants for life and growth (air, light, water, nutrients from soil, and room to grow)?
* Can they explain how they vary from plant to plant?
* Can they investigate the way in which water is transported within plants?
* Can they explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal?
 | **Planning** | **Obtaining and presenting evidence**  | **Considering evidence and evaluating**  |
| * Can they use different ideas and suggest how to find something out?
* Can they make and record a prediction before testing?
* Can they plan a fair test and explain why it was fair?
* Can they set up a simple fair test to make comparisons?
* Can they explain why they need to collect information to answer a question?
 | * Can they measure using different equipment and units of measure?
* Can they record their observations in different ways? <labelled diagrams, charts etc>
* Can they describe what they have found using scientific language?
* Can they make accurate measurements using standard units?
 | * Can they explain what they have found out and use their measurements to say whether it helps to answer their question?
* Can they use a range of equipment (including a data-logger) in a simple test?
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| **Challenge** |
| * Can they classify a range of common plants according to many criteria (environment found, size, climate required, etc.)?
 | * Can they record and present what they have found using scientific language, drawings, labelled diagrams, bar charts and tables?
 | * Can they explain their findings in different ways (display, presentation, writing)?
* Can they use their findings to draw a simple conclusion?
* Can they suggest improvements and predictions for further tests?
 | * Can they suggest how to improve their work if they did it again?
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