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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? |
| **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? |