Plants and their Reproduction

Topic Checklist / Progression Check

I know this colour green	I'm not sure colour yellow	I don't know this colour red

Subtopics and Learning Objectives	Start	End
Classification and Biodiversity		
- Interpret scientific organism names		
- Describe how organisms are classified		
- Explain the importance of biodiversity		
Pollination		
- Explain how the structure of flowers and pollen allow pollination, by animals or wind		
- Explain how plants ensure cross-pollination		
Fertilisation and Dispersal		
- Describe how pollination leads to fertilisation		
- Describe the formation of seeds and fruits		
- Explain the functions of seeds and fruits		
Germination and Growth		
- Describe what happens in germination		
- Explain why seeds and plants need certain resources		
- Describe how organisms are interdependent		
Reactions in Plants		
- Explain what happens when plants photosynthesis and respire		
- Explain how the rate of photosynthesis can be affected		
Core Practical – Investigating Photosynthesis		
- Investigate whether chlorophyll is needed for photosynthesis		
Plant Adaptations		
- Describe how leaves, roots and stems are adapted to their functions		
- Explain how substances enter and leave plants		
Growing Crops		
- Describe how pests and human populations alter food supply		
- Explain ways in which farmers boost food production		
- Explain some ways in which plant varieties are created		

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