

# Science Knowledge Building

Know how animals and environmental factors affect the pollination / seed dispersal process	Understand how plant species grow differently and how deprivation of certain life requirements can affect growth	Observe and record water transportation in plants and explain what can affect it	Understand and use a range of vocabulary relating to the functions of flowering plants e.g. carbon dioxide	Know how environments can be managed to ensure successful plant growth and reproduction	Know how to use data collected from plant experiments to suggest ways of improving plant growing conditions
Know the life cycle of plants, including the process of pollination and seed dispersal	Know how to conduct a fair test when growing a plant from seed by using the requirements for life	Observe growth in plants and make some simple recordings	Know a range of vocabulary relating to the structure of flowering plants e.g. stigma, stamen	Know that plants can require a wide range of growing conditions and can either thrive or die in various environments	Know how to use data from plant experiments to create charts and graphs
<b>Understand more complex scientific processes and know some factors that can affect change</b>	<b>Understand that methods are a key part of safe experimentation and have secure knowledge of features</b>	<b>Know that clear observations and recordings support findings and prove theories</b>	<b>Know how scientific language learned relates to new science concepts and ideas</b>	<b>Understand how science affects our lives and the implications its use has on them</b>	<b>Understand that these links between science, technology, engineering and mathematics are key to many industries</b>
<b>Processes and Changes</b>	<b>Methods</b>	<b>Observing and Recording</b>	<b>Scientific Vocabulary</b>	<b>Uses and Implications</b>	<b>Cross-Curricular (STEM)</b>

## Under the Canopy