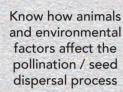
Science Knowledge Building



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

Understand more complex scientific processes and know some factors that can affect change

Understand that methods are a key part of safe experimentation and have secure knowledge of features

Know that clear observations and recordings support findings and prove theories Know how scientific language learned relates to new science concepts and ideas

Understand how science affects our lives and the implications its use has on them Understand that these links between science, technology, engineering and mathematics are key to many industries

Processes and Changes

Methods

Observing and Recording Scientific Vocabulary

Uses and Implications

Cross-Curricular (STEM)

Under the Canopy