

Overview

Ecosystems: Year 9



Toohey Forest
Environmental
Education
Centre



Overview

Ecosystems is a whole day program providing an insight into the interrelationship between biotic and abiotic factors that make up freshwater and terrestrial (land) ecosystems.

In carrying out their fieldwork, students will utilise a variety of equipment and data collection techniques. In small groups, students measure and record abiotic components for each ecosystem and make connections on how these may impact on and influence biotic components. They will also have the opportunity to collect and classify live specimens using a variety of equipment (e.g. sweep nets, stereo microscopes) and taxonomy tools.

At the completion of their fieldwork, students will analyse the data collected from the different ecosystems to assist them to draw conclusions on the condition of the ecosystems, as well as propose management strategies for the future.

The *Ecosystems* program has been assessed as medium risk. A Curriculum Activity Risk Assessment is available on request. A student field booklet is provided upon confirmation of your booking.

Curriculum Intent Science

- Ecosystems consist of communities of interdependent organisms and abiotic components of the environment; matter and energy flow through these systems. (ACSSU176)
- Select and use appropriate equipment, including digital technologies, to collect and record data systematically and accurately (ACSIS166)
- Use knowledge of scientific concepts to draw conclusions that are consistent with evidence (ACSIS170).

