# Stage 5 Science

## Living World: Home for a bandicoot

### Outcomes

**SC5-14LW**

Analyses interactions between components and processes with biological systems

### Content

**LW2:** Conserving and maintaining the quality and sustainability of the environment requires scientific understanding of interactions within, the cycling of matter and the flow of energy through ecosystems.

*Students:*

* recall that ecosystems consist of communities of interdependent organisms and abiotic components of the environment
* describe how energy flows through ecosystems, including input and output through food webs
* evaluate some examples in ecosystems, of strategies used to balance conserving, protecting and maintaining the quality and sustainability of the environment with human activities and needs.

### Excursion description

Students will:

* assess two different sites, collecting data on soil and vegetation
* conduct a macroinvertebrate survey
* create a food web based on the bandicoot
* investigate land use and management of Scheyville National Park
* identify a range of human activities and their impact.