

# Ecosystem Dynamics - Southern Brown Bandicoots

## Stage 6 Biology Module 3, 4 and Depth Study

### Teacher Programming Guide

Timing	Working Scientifically Skills	Activity
2 hours Pre-excursion work	Knowledge and Understanding + Planning Investigation + Questioning and predicting	Complete the pre-visit Student Work Booklet to: <ul style="list-style-type: none"> <li>- Examine the inquiry questions</li> <li>- Investigate the features of Bobbin Head</li> <li>- Research the Southern Brown Bandicoot</li> <li>- Commence the planning of the investigation</li> </ul>
5 hours Excursion fieldwork	Conducting Investigations + Processing data and information	<ul style="list-style-type: none"> <li>- students will undertake fieldwork to collect measurements of abiotic factors, population sampling, observation to collect first hand data</li> <li>- students process and analyse fieldwork data and information</li> </ul>
4-5 hours Post- excursion depth study work	Analysing data and information + Problem solving	<p>Analyse data from the field study day</p> <p>Further investigate the inquiry or commence a particular inquiry or area of interest inspired or prompted by the original investigation. For example, you may wish to evaluate the Southern Brown Bandicoot Recovery Plan</p> <p>The following is a depth study inquiry question that can be added to your report:</p> <ol style="list-style-type: none"> <li>1. What impact would increases in the local population have on Southern Brown Bandicoot populations and how can this be measured?</li> <li>2. What impact would a reduction in Southern Brown Bandicoot populations have on the local ecosystem and how can this be measured?</li> </ol>
1-2 hours Depth study assessment	Communicating	<p>Prepare and deliver a communication piece. This could include:</p> <ul style="list-style-type: none"> <li>- a 5-6 minute documentary on the results of your fieldwork</li> <li>- a report to communicate your findings</li> <li>- a ICT visual communication form to present your findings (eg PowerPoint, Prezi)</li> </ul>