<table>
<thead>
<tr>
<th>Unit Name</th>
<th>Main Ideas</th>
<th>Duration (weeks)</th>
<th>Assessment Item</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit 1: Functioning Ecology</strong></td>
<td>Students will observe organisms in a laboratory setting and investigate the environmental factors which influence them. Students also observe and describe some of the features of organisms that help them live in their environment. Students describe the features of plant cells and explain the processes of photosynthesis and transpiration. Students describe adaptations of native Australian plants specific to their environment. Students also design and implement an investigation into the factors affecting rates of transpiration in plants. Students describe the levels of organisation within the human body and define essential survival needs for maintaining life. Students will be able to identify human body systems and their components and explain their role in keeping the organism alive. Students will also identify and describe body systems involved with human movement and the processes of digestion and excretion. Students describe mechanisms involved in homeostasis and explain why these are necessary for the human body to survive. The immune response is studied to explain how the body fights disease and students research, investigate, and evaluate the effects of a particular disease on the human body.</td>
<td>8 weeks</td>
<td>Extended Experimental Investigation (Practical Report) Approx. 500-800 words</td>
<td>Week 8 Tuesday 13th March</td>
</tr>
<tr>
<td><strong>Unit 2: The Human Body and Disease</strong></td>
<td></td>
<td>12 weeks</td>
<td>Research Assignment (Extended Response Task) Approx. 500-800 words</td>
<td>Week 6 Tuesday 22nd May</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supervised Assessment SUMMATIVE EXAM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Part 1—70 min</td>
<td>Week 9 Tuesday 12th June</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Part 2—50 min</td>
<td>Week 10 Tuesday 19th June</td>
</tr>
</tbody>
</table>

**Literacy Components**

- Speaking and Listening:
  - Reading & Viewing: Reading text and other resources
  - Viewing resources relevant to balance within ecosystems
  - Writing & Designing: Writing an analytical report about chosen extended experimental investigation

**Numeracy Components**

- Number: Using table and graphs to display trends and interrelationships
- Algebra
- Measurement: Gathering quantitative data
- Space
- Chance & Data: Analysing data

**ICT/Technology Components**

- Select and use ICTs in the processes of inquiry and research: using the internet and online libraries to research EEI
- Select and use ICTs to create a range of responses to suit the purpose and audience: using appropriate software to create a thorough EEI Report
- Select and use ICTs to collaborate and enhance communication for an identified purpose and audience: Creating a clear and well-presented EEI Report
- Develop and apply ethical, safe and responsible practices when working with ICTs: selecting reliable and valid sources and using appropriately
- Use a range of advanced ICT functions and applications