# MOSSMAN STATE HIGH SCHOOL

## Term 4, 2018 – Course Outline

### Year 7 Science SCI072A – Miss Gardiner

<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>Organising and affecting organisms</td>
<td>In this unit students will classify organisms based on their physical characteristics. They apply scientific conventions to construct and use dichotomous keys to assist and describe classification. Students analyse the effectiveness of dichotomous keys and suggest improvements. They explore how improvements in microscope technology led to changes in classification systems. Students consider how and why classification systems are used in a variety of occupations. They explore feeding relationships between organisms in an environment using food chains and food webs and construct representations of these relationships using second-hand data. Students will use their understanding of food webs, to identify how human activity can impact food webs in the marine environment. Students will explore native food webs and how these are understood and used by Indigenous Australians.</td>
<td>9 weeks</td>
<td>Presentations</td>
<td>Week 9 Tues 4th and Wednesday 5th December</td>
</tr>
</tbody>
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### Literacy Components

- **Speaking and Listening**: Presenting information and ideas to class and groups
- **Reading & Viewing**: Comprehending texts through listening, reading and viewing
- **Writing & Designing**: Composing texts through writing and creating

### Numeracy Components

- **Number**: Using integers, ratios and rates
- **Algebra**: 
- **Measurement**: Using measurement
- **Space**: 
- **Chance & Data**: Interpreting statistical information

### ICT/Technology Components

- **Select and use ICTs in the processes of inquiry and research**: Students will use Internet database to access assignment information
- **Select and use ICTs to create a range of responses to suit the purpose and audience**: 
- **Select and use ICTs to collaborate and enhance communication for an identified purpose and audience**: 
- **Develop and apply ethical, safe and responsible practices when working with ICTs**: 
- **Use a range of advanced ICT functions and applications**: Students will be exposed a range of digital applications to access content