## MOSSMAN STATE HIGH SCHOOL

Term 1, 2019 – Course Outline Year 9 Science  
SCI091B – Mrs Zahnow

<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</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **Plate Tectonics** | 1. Recognising the major plates on a world map  
2. Modelling sea-floor spreading  
3. Relating the occurrence of earthquakes and volcanic activity to constructive and destructive plate boundaries  
4. Considering the role of heat energy and convection currents in the movement of tectonic plates  
5. Relating the extreme age and stability of a large part of the Australian continent to its plate tectonic history | 5                | Exam  
“On Shaky Ground” in-class booklet | Term 1  
Week 5  
Thursday 28th February |
| **Unit 2**      |                                                                             |                  |                                  |                            |
| **Heat & Light** | 1. Exploring how and why the movement of energy varies according to the medium through which it is transferred  
2. Investigating the transfer of heat in terms of convection, conduction and radiation, and identifying situations in which each occurs  
3. Exploring situations where energy is transferred in the form of waves, such as light  
4. Investigating factors that affect the transfer of energy through an electric circuit | 5                | Assignment  
Practical Report | Term 1  
Week 9  
Thursday 28th March |