## MOSSMAN STATE HIGH SCHOOL
### Year 11 CHEMISTRY

#### Semester 1, 2018 – Course Outline for CHM111A

Miss Weyers

<table>
<thead>
<tr>
<th>Unit Name and reference to Heinemann Chapters</th>
<th>Duration (weeks)</th>
<th>Assessment Item</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Where do Elements come from? Examination techniques taught. History of the atom, electronic configuration, isotopes, percent composition, arrangement and trends of Periodic Table, chemical bonding (ionic, covalent, metallic). Chap 1,2</td>
<td>8</td>
<td>Supervised Assessment (SA) – exam, 70 minutes + 30 minutes</td>
<td>Wednesday 14th and Monday 19th March (week 8/9)</td>
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<tr>
<td>Crystals Extended Experimental Investigation techniques taught – subject matter will vary but should be based around the arrangement of ionic and metallic bonding through the growth of metallic crystals, displacement reactions and electrochemical reactions Chap 2 …</td>
<td>8</td>
<td>Extended Experimental Investigation (EEI) – Lab work, journal and formal scientific report</td>
<td>Wednesday 23rd May (week 6)</td>
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<tr>
<td>Flavours and Odours Extended Research Task techniques taught. Organic compound nomenclature, Esterification reactions, polymerisation reactions Chap 2, 9,10</td>
<td>8</td>
<td>Extended Response Task (ERT) – persuasive journal article</td>
<td>Wednesday 13th June (week 9)</td>
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</tbody>
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### Literacy Components

- ✔ Speaking and Listening
- ✔ Reading & Viewing text book, articles, Clickview
- ✔ Writing & Designing reports, persuasive article

### Numeracy Components

- ✔ Number
- ✔ Algebra
- ✔ Measurement using laboratory equipment
- ✔ Space
- ✔ Chance & Data interpreting graphical displays

### ICT/Technology Components

- ✔ Select and use ICTs in the processes of inquiry and research
- ✔ 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