**Introduction to chemistry**

In this unit students will consider the importance of water. They investigate mixtures, including solutions, pure substances and a range of separation techniques. Students consider everyday applications of the separation techniques and relate their use in a variety of occupations. Students will plan and conduct investigations into the separation of mixtures and use their data to draw conclusions.

<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>Introduction to chemistry</td>
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<td>10 weeks</td>
<td>Practical – Separation prac with written report</td>
<td>Week 8 Thurs 6th September</td>
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</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 fractions, decimals, percentages, 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