### Unit Name: Introduction to chemistry

**Main Ideas:** 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>Duration (weeks)</th>
<th>Assessment Item</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>10</td>
<td>Practical – Separation prac with written report</td>
<td>Week 8 Thurs 6th September</td>
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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