

## Threshold Concepts

<p><b><u>Working scientifically</u></b></p> <p>□ <b>Work scientifically</b> This concept involves learning the methodologies of the discipline of science.</p>	<p><b><u>Biology</u></b></p> <p>□ <b>Understand plants</b> This concept involves becoming familiar with different types of plants, their structure and reproduction.</p> <p>□ <b>Understand animals and humans</b> This concept involves becoming familiar with different types of animals, humans and the life processes they share.</p> <p>□ <b>Investigate living things</b> This concept involves becoming familiar with a wider range of living things, including insects and understanding life processes.</p> <p>□ <b>Understand evolution and inheritance</b> This concept involves understanding that organisms come into existence, adapt, change and evolve and become extinct.</p>	<p><b><u>Chemistry</u></b></p> <p>□ <b>Investigate materials</b> This concept involves becoming familiar with a range of materials, their properties, uses and how they may be altered or changed.</p>	<p><b><u>Physics</u></b></p> <p>□ <b>Understand movement, forces and magnets</b> This concept involves understanding what causes motion.</p> <p>□ <b>Understand the Earth's movement in space</b> This concept involves understanding what causes seasonal changes, day and night.</p> <p>□ <b>Investigate light and seeing</b> This concept involves understanding how light and reflection affect sight.</p> <p>□ <b>Investigate sound and hearing</b> This concept involves understanding how sound is produced, how it travels and how they are heard.</p> <p>□ <b>Understand electrical circuits</b> This concept involves understanding circuits and their role in electrical applications.</p>
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