# Science Unit Overview

**Subject:** SCIENCE  
**Year:** 7  
**Term:** 1  
**Week:** 1-5

## Unit Title:
YOU ARE A SCIENTIST

## Aim:
This unit introduces the year 7 students to the scientific processes used to understand the world around us. It looks at the different areas of science, being safe while doing experiments and the scientific equipment that is available in a science laboratory. Students are also skilled in using their observation skills.

## What students will do:

<table>
<thead>
<tr>
<th>Unit Outline</th>
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| • Student code of conduct and safety rules in lab  
| • Map of the lab and identification of hazards  
| • Types of scientists – relate to their work  
| • Famous scientists and Australian scientists  
| • Drawing scientific equipment  
| • Lighting a Bunsen burner  
| • Writing scientific report  
| • Measurement using scientific equipment  
| • Tables and Graphs |

## What students will learn:

<table>
<thead>
<tr>
<th>Key Learning Outcomes</th>
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| • Rules in a lab  
| • Scientific diagrams (2D diagrams)  
| • Safe use of scientific equipment  
| • Communication – using scientific names of equipment  
| • Team work – group practical work  
| • Experimental procedure – lighting a Bunsen burner  
| • Literacy – sequencing steps, recording results and observations, drawing conclusions  
| • Numeracy – drawing tables and graphs |

## What students will be assessed on:

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<tr>
<th>Evidence of Learning</th>
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| • Follow rules (students follow instructions during experiments)  
| • A famous scientist (poster presentation)  
| • Lighting a Bunsen burner ("Bunsen Burner license" in students books) |

## Essential Words:
- laboratory, experiment, biology, chemistry, physics, ecology, geology, astronomy, test tube, beaker, Bunsen burner, measuring cylinder, tripod, gauze mat, procedure, aim, equipment, instructions, hypothesis, experimental record

## Homework:
Students are required to complete their comprehension and quiz based homework tasks once per fortnight.

<table>
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<th>Grade Descriptors</th>
<th>Work Samples: 1</th>
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<td>A-E</td>
<td><strong>Poster Display (Research on the Famous Scientist)</strong></td>
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