



Highfields State
Secondary College

Semester 1 Course Overview

Faculty: Technology
Subject: Engineering Skills
Year level: 12

Course Outline

| Semester 1 2025 | |
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| Unit 1: TRAILER LOCK | |
| Practical demonstration Manufacture a trailer lock To specifications with a supplied drawing. Students are assessed on the quality of their artefact against the marking criteria. | Unit 2: Engineers Vice |
| | Module 1: The engineering industry — Introduction to safety, production processes and product quality This module introduces students to the industry practices and production processes associated with manufacturing enterprises in the engineering industry. Engineering products are created safely at an appropriate quality in recognition of customer expectation of value at a particular price. Product quality depends on tradespeople understanding industry specific skills, procedures, tools, materials and specifications. Students develop knowledge of industry practices and production processes used to create quality products. The accurate interpretation of industry-specific technical drawings and specifications results in quality products. Project Manufacture a Engineers Vice from specifications. (Visual evidence is collected through annotated photographs or teacher observations annotated on the instrument-specific standards.) Individual response. <ul style="list-style-type: none">• Knowing and understanding• Analysing and applying• Producing and evaluating• Product component <ul style="list-style-type: none">• Multimodal component — nonpresentation Individual digital portfolio (annotated production journal with sketches and photographs) Maximum: 6 A4 pages (or equivalent) |