



Automotive Engineering

Description

This unit of study will focus on fabricating automotive based models to visually demonstrate the many different systems associated with automotive technology. This course is designed to incorporate both theoretical and practical based lessons for a comprehensive understanding of the many subsystems that make up the modern car. Students will learn how to apply safe work practices, fabricate, weld, diagnose and test their models to ensure it operates to specification.

Unit Topics

Introduction to the 4 stroke internal combustion engine, Safe Work Practices, Fabrication, MIG Welding Basics, Electrical Systems and Testing.

Skill Development

Using a Multi-meter, Diagnostic procedures, Soldering, Testing of parts and Fabrication.

Possible Assessment Tasks

Test, Booklets, Folio and Ongoing Training Certificates, Practical Work.

Career Options

Automotive Repair