



# Automotive Engineering

## Description

*This subject is aimed at introducing the students to the fundamental concepts of automotive studies and the technological principles behind the internal combustion engine. This course is designed to incorporate both theoretical and practical based lessons for a comprehensive understanding of the principals associated with automotive technology. Students will learn how to apply safe work practices, test and service engines and carry out repairs to a variety of systems including electrical circuits.*

## Unit Topics

*Internal combustion engine, diagnosing problems, safe work practices, identification of tools and repair techniques.*

## Skill Development

*Gaining experience in using of a variety of tools to diagnose and repair automotive based issues.*

## Possible Assessment Tasks

*Tests, Booklet, Folio and Ongoing Training Certificates.*

## Activities/Camps/Excursions

*Self Serve Auto Recyclers*

## Career Options

*Automotive Repair, Automotive Electrician, Automotive Instructor and Vehicle inspector.*