

10T Automotive Studies

OVERVIEW

An introduction to basic automotive and mechanical studies.

The first semester is devoted to basic engine operation, fundamentals and theory. The students then disassemble, repair and re-assemble a small stationary engine. A written report on the entire process is used for a first semester assessment.

The second semester is allocated to the component identification, removal and replacement of many vehicle components, ie wheels, tyres, suspension components etc. The students will then completely disassemble a car and learn the function of all the components.

Theory is carried out as a group. Practical work is carried out in small groups, two to three students as a team. The goal at the completion of the course is to enable the students to have a solid understanding of automotive theory and the practical skills to maintain their own vehicle or consider the automotive industry as a career.

At NCAT we focus on the hands on approach to learning. Teaching the hand /eye skills to enable the student to become proficient in many practical areas.

ASSESSMENT

Students are assessed on a number of written assignments, and practical tasks completed in the workshop.

SUBJECT PREREQUISITES

A solid grounding in mathematics and English is required.