

## 10T Engineering

### OVERVIEW

This subject is a general introduction to a range of processes and systems used in the engineering sector. It is designed as a taster to the more advanced Engineering studies available in year 11 and 12

At the end of this course students will have been exposed to the range of processes above. They will have gained skills in the use of engineering workshop equipment. They will understand the importance of applying safe work practices, and be able to manufacture items using a large range of equipment.

This subject covers the following range of skills related to the engineering sector

- Workshop Occupational Health and Safety
- Basic Lathe use
- Creating and reading Technical Drawings
- Basic research skills
- Basic Welding techniques
- Engineering Mathematics
- Basic Sheet metal working

Major manufacturing projects include;

- Plum Bob (machining lathe)
- Pencil Case (sheet metal working)
- Welding techniques
- 

Being able to undertake this subject in a very well equipped engineering and fabrication workshop, and to work to a high standard on a range of projects which help develop different skill sets broaden the knowledge of students, and will challenge students along the way.

### ASSESSMENT

Students will be assessed across the range of practical and theoretical tasks. Also they will participate in an exam.

### SUBJECT PREREQUISITES

There are no prerequisites for this subject