

# Industrial Technology

Industrial Technology is a Board Developed Course

Course details are included on RoSA

Course details are included on School Report

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Students cannot study more than two Industrial Technology subjects. There are 3 options:

## 1. Industrial Technology - Electronics

In this course students will learn to make electronic projects that will involve many practical experiences and at the same time give a good understanding of the principles involved in effective and safe working with electrical components.

There is a theoretical component which involves about 20% of class time and the rest of the time will be spent on Computer Aided Design to design and then photo etched printed Circuit boards. The following processes: - soldering, good board layout, wiring terminations and fault finding.

## 2. Industrial Technology - Metal

In this course all the techniques involved with producing metal projects from the designing stage through fabrication and machining to the finished product are learnt.

There is a theoretical component which involves about 20% of class time and the rest of the time may be occupied with the following processes: - soldering, welding, bench working, machining, fitting, painting, polishing and finishing.

Students also learn about engines, motor vehicles and machines and how to maintain and service them.

## 3. Industrial Technology – Timber

This is a course where students learn all about timber, timber products, working with timber, safe working practices and at the same time gain an appreciation of design. The course mainly involves making projects using a variety of hand and machining processes.

There is a theoretical component which involves about 20% of class time and the rest of the time will be spent on designing, constructing, machining, routing, sanding, wood turning and finishing.

**Subject Assessment:** Students are evaluated on their class projects, tests and theoretical records.

Please note- all Industrial technology courses have a theory content of approximately 20% of class time.

**Enclosed leather shoes** are required and must worn for all Industrial Technology courses.

### **Costs involved for Industrial Technology:**

Any materials that students use for projects (students keep their projects) are not supplied by the Department of School Education. Fees for Industrial Technology projects are kept to an absolute minimum and are compulsory if you elect that subject.

**Course Adviser:** Mr M Macdonell, Mr J Hayes and Mr C Burton