
SUBJECT: ENGINEERING TECHNOLOGY

STATUS: **Authority Subject**

CODE: ENR

COST: **TBA**

**COURSE
OVERVIEW:**

Engineering Technology is a course of study that provides an opportunity for students to gain an understanding of the underlying concepts and principles of engineering in its broadest sense. It is concerned with those concepts related to the study of materials, engineering mechanics and its applications, control systems, industry and society. Engineering communication is integrated throughout. The course draws upon the fundamental principles of science and technology, encouraging a positive interest in the translation of theory into practice.

The general objectives are to develop:

1. Knowledge and understanding
2. Reasoning
3. Communication

**COURSE
STRUCTURE**

The subject is structured so that students cover the following prescribed areas of study and their associated study topics:

- Technology, Industry and Society
- Engineering Materials
- Engineering Mechanics
- Control Systems.

**ASSESSMENT
TECHNIQUES:**

Assessment techniques used may include short written response items, extended written response tasks, objective items, practical application items, responses to stimulus materials, project work and assignments. Non-written presentations such as datashow or multimedia presentations, seminar presentations, debates, mock interviews, radio/TV news reports may also be employed.

**SPECIAL
REQUIREMENTS:**

Students entering this course would have achieved a minimum of C in Extension Science and Prep Mathematics B in Year 10.

Students are expected to have a graphics calculator for their personal use throughout the year.

Excursions will be part of this course, and hence incur associated costs.

USC Dual accreditation and/or Headstart courses may be aligned with this course for students to enhance their learning in this area.

