

INDUSTRIAL TECHNOLOGY SKILLS

HOW WILL I BENEFIT FROM STUDYING INDUSTRIAL TECHNOLOGY SKILLS?

Industrial Technology Skills is a course in which you investigate the nature and functions of available materials and resources through the application of inquiry, research, and problem-solving methodologies. You are encouraged to apply your learned knowledge and skills towards the creation of products in a variety of contexts.

The course provides a unique opportunity for you to experience the challenge and personal satisfaction of undertaking practical work in a new and exciting environment. You will hopefully be able to confidently transfer your skills and problem-solving abilities to future life situations. Industrial Technology Skills also aims to assist in the development of fine motor coordination, confidence, and self-esteem through achievement-oriented tasks.

THE MAIN AREAS OF FOCUS THROUGH THE COURSE OF STUDY ARE:

- Project research, interpretation of technical specs, production planning, and development
- Tools, materials, surface finishing, and sustainability
- Fabrication and resource management of traditional and contemporary technologies
- Construction techniques and planning
- Industrial and personal safety awareness and practices

WHAT ARE THE TOPICS IN YEAR 8?

Year 8 expands upon the learning experiences from Year 7, with student responsibility and choice taking an increasingly greater role in the course. The students' knowledge of machinery and associated technologies, and awareness of the role of safety, is also developed in preparation for further studies and personal life skills:

- Timber, plastic, and metal jointing, shaping and finishing are investigated through various contexts
- Typical projects could include BBQ spatulas, incense burners, cheese platters, and self-designed toys for young children
- Students are required to select appropriate strategies and resources that may solve a given problem, implement a plan, and evaluate the outcome
- Students are exposed to a range of intellectual challenges while developing practical skills associated with tools and equipment

WHAT IS THE ASSESSMENT?

- The assessment in Year 8 involves varied types of practical projects throughout the course
- Students' overall achievements