




Industrial Technology Skills (ISK)

Applied Senior Subject

Applied

School Code	ISK		
Year Level	11 & 12	QCE Credits	4
Subject Type	Applied Subject	VET Contribution	N/A
Recommended Academic Performance	Recommended C or greater in Year 10 Metal or Timber Technology		
21 st Century Skills	 Personal and social skills	 Collaboration and teamwork	 Communication

Industrial Technology Skills includes the study of industry practices and production processes through students' application in and through trade learning contexts in a range of industrial sector industries, including building and construction, engineering and furnishing.

Industry practices are used by industrial sector enterprises to manage the manufacture of products from raw materials. Production processes combine the production skills and procedures required to produce products. Students engage in applied learning to demonstrate knowledge and skills of the core learning in units that meet local needs, available resources and teacher expertise.

Through both individual and collaborative learning experiences, students learn to meet customer expectations of product quality at a specific price and time.

Pathways

A course of study in Industrial Technology Skills can establish a basis for further education and employment in manufacturing industries. Employment opportunities may be found in the industry areas of furniture making, cabinet making, shop fitting, building and construction.

Objectives

By the conclusion of the course of study, student should:

- Demonstrate practices, skills and procedures.
- Interpret drawings and technical information.
- Select practices, skills and procedures.
- Sequence processes.
- Evaluate skills and procedures, and products.
- Adapt plans, skills and procedures.

Structure:

Unit option C: Computer-aided drafting — modelling

Unit option F: Graphics for the furnishing industry

Unit option A: Drafting for residential building

Unit option B: Computer-aided manufacturing

Assessment:

For Industrial Graphics Skills, all units require students to perform a practical demonstration of skills and concepts and a project.

- one practical demonstration (separate to the assessable project).
- one Project

Practical demonstration	Project
A task that assesses the practical application of a specific set of teacher-identified production skills and procedures.	A response to a single task, situation and/or scenario.
<p>Students demonstrate production skills and procedures in class under teacher supervision.</p> <p>Multimodal assessment (delivered in two modes concurrently) up to 3minutes supported by 3 A3 Pages or equivalent digital media</p>	<p>A project consists of a product component and response requirements are:</p> <p>Multimodal (at least two modes delivered at the same time)</p> <p>Up to 5minutes in duration</p> <p>Supported by 4 A3 Pages (or equivalent digital media)</p>