

KINGSCLIFF HIGH SCHOOL

Subject Selection Information



Faculty:

Industrial Arts & Computing Studies

Subject: **Industrial Technology - Metal**

Nature of the Course

The metal focus area provides opportunities for students to develop knowledge, understanding and skills in relation to metal and associated industries.

The core module (Year 9) develops knowledge and skills in the use of tools, materials and techniques related to metal which are enhanced and further developed through the study of specialist modules in (Year 10).

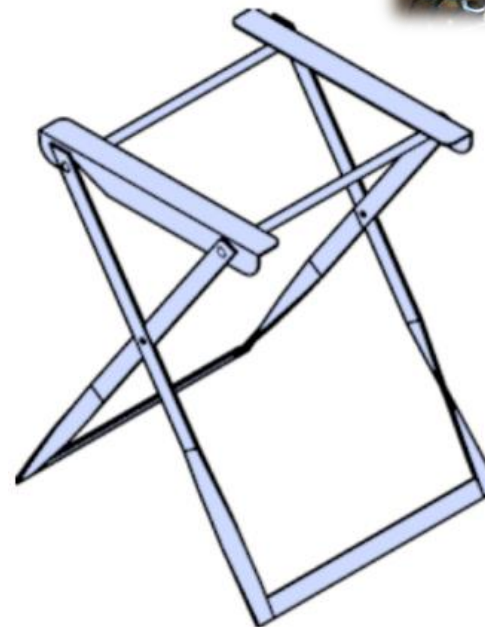
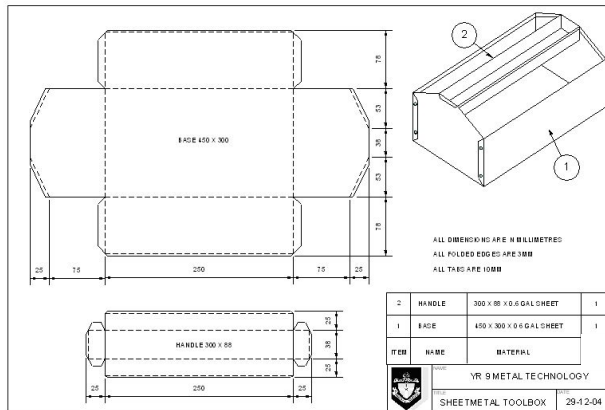
In Year 10 there are two options for the specialised modules:

- Metal Fabrication
- Metal Machining

Nature of the Course

The 100Hr course includes:

- Core Module: Metal 1



Camp Stool

- Metal Lathe – Turning
- Welding Introduction – MIG, Oxygen/Acetylene



- Sheet Metal Fabrication - Toolbox

Nature of the Course

The 200Hr course includes:

- Specialised Module 2 & 3: Fabrication
 - * Fabrication Techniques – Marking out, filing, finishing, drilling, thread cutting
 - * Welding – MIG, Oxygen/Acetylene
 - * Folding Barbecue
 - * Rocket stove
 - * Fabricated Clamp
 - * Art Metal – Plasma Cutter





Assessment Structure

100Hr Course

2 x Design Projects and Design Folios
Research Assignment
Yearly Exam

200Hr Course

2 x Design Projects and Design Folios
Research Assignment
Yearly Exam



Elective fees for the Course:

100Hr Course - \$80 (one year)

200Hr Course - \$160 (two years)

Students who choose this subject are expected to pay the subject contribution fee to cover resource expenses.



Skills Required for this subject and/or any Prerequisites:

- Students may study up to **two** Industrial Technology subjects that contribute to the award of their Record of School Achievement (RoSA).
- Students will develop skills in drawing and communicating design ideas and plans.
- Students will create project folios to document the project development.



Career Opportunities

This course caters for students who wish to undertake further study in Industrial Technology – Metal in Stage 6. It is also suited to students wishing to pursue a related trade.



Career Opportunities

University

- * Industrial Design
- * Construction Management
- * Industrial Arts Teacher

Trade

- * Apprenticeship – Fitting and Turning, Boilermaker, Pattern Making, Sheet Metal Industries