



Design Metals

Description

In Year 9, students design and complete a tool box made from galvanised sheet. They are given plans in imperial measurements which they need to convert to metric units, alongside generate 1:1 scale drawings. These drawings will be used to help the student cut, fold and rivet all the pieces to construct a tool box and insert. Assessment is the result of the design process, a finished product and a self-evaluation of the finished product.

Unit Topics

The students complete the design booklet, complete the production of their design and the safety program booklet related to tools and equipment.

Skill Development

The students develop design and production skills learning how to apply these correctly to complete their project.

Possible Assessment Tasks

Successful completion of their workbook and practical project.

Career Options

Machining, Steel Fabrication, Boiler making, Welding, Scaffolding, Mechanics, Engineering