

TECHNOLOGY MECHANICAL – METAL (TOOLS4WORK) LEVEL 1

PREREQUISITES

Completing the Y10 Metal option will give you a good advantage. Design & Visual Communications (Graphics) would be useful to support design work in these subjects.

COURSE OUTLINE

Using metal based materials, production methods and processes. Students will design and construct projects of their own as well as work directly from a set plan. This is a Unit Standards based course that works toward a Level 1 Certificate in Metal Engineering Technology.

The course is based around a minimum of two projects, a wind vane and an engineer's clamp.

The course requires written content presented to a good standard. You will cover;

- Basic workshop safety procedures
- Basic engineering workshop techniques including cutting, marking out, measuring, joining, assembly and finishing
- Aspects of design based around a client
- Investigation, design and construction of a simple product
- Students can opt for course endorsement.

ASSESSMENT

Internally assessed Unit Standards (externally moderated).

WHERE DOES IT LEAD?

NCEA level 1 is the first of three levels.

Level 2 Unit and Achievement standards will be available in Year 12. A Qualification at any level in Technology could lead into trade skills employment or any one of a number of tertiary courses.

COSTS

The student will meet all materials costs by paying \$100 in fees to cover materials and consumables. Projects needing additional or special materials costing above this price will require students to pay additional funds.

CONTACT HoD Technology