

Technology - Wood

LEVEL 1

Credits: 16 - 20

Leads onto: TEW 202

Tertiary Students studying this course will complete wooden furniture FITEC Unit Standards which will be internally assessed and externally moderated; there is no end of year exam. Assessments will be chosen from a variety of available standards, relevant to the needs and interests of the students. Students will be required to take part in the following activities: Recognise and confirm job specifications. Use hand joints in furniture making and apply woodworking technique to construct a basic carcass. Students will also hand turn wood to produce furniture articles.

Credits gained in this course count towards the National Certificate in Furniture Making as well as NCEA.

Technology – Multi-Material

LEVEL 1

Credits: 16 - 20

Leads onto: TEM 202

This course will offer 2 alternatives for achieving credits at Level 1.

Option 1 will involve Level 1 Technology Achievement Standards using a range of materials. There will be some design and research work which will form a portfolio to be assessed towards the end of the year. Students will be required to show an understanding of design elements. Use design ideas to produce a conceptual design and undertake development to make a prototype to address a brief. Students will need to have a sound level of literacy skills, be able to show initiative and work independently.

Option 2 will involve Level 1 Engineering Unit Standards, which will be internally assessed and externally moderated; there is no end of year exam. There will be limited design and theory work as students work on projects with a set plan to follow and are assessed on specific skills related to the procedures carried out. Students will demonstrate knowledge of safety procedures. Demonstrate basic engineering workshop skills under close supervision and develop simple products using engineering materials.

Credits gained in this course count towards the National Certificate in Engineering as well as NCEA.

In both courses students will be taught to use a range of tools and machinery which will prepare them for study in Technology at Level 2.

Discussions with students at the beginning of the year will ensure that each student will undertake a course of study which maximises their chances of success.

Costs: \$75 plus clear-file folder

Teacher Contact: Mr Dodds / Mr Viggo

Technology - Wood

LEVEL 2

[Open to Year 12 and 13 students]

Credits: 13 - 18

Leads onto: Trade Courses

This practical course is based around Level 2 wooden furniture FITEC Unit Standards. All units are internally assessed and externally moderated; there is no end of year exam. A sound level of Literacy and Numeracy is needed as students will be required to complete theory workbooks in order to achieve the Unit Standards. Students will study a range of tools, processes, machinery and materials and then combine this knowledge to produce quality wooden technology projects. Students would take part in some or all of the following activities. Hand turn wood to produce basic furniture making articles. Use and maintain hand tools for furniture making. Construct freehand drawings for use in furniture making. Operate a band-saw to produce furniture components.

As the Level 3 unit standards are industry based, Year 13 students returning to the class will be offered a range of Level 2 unit standards not covered the previous year.

Credits gained in this course count towards the National Certificate in Furniture Making as well as NCEA.

Technology - Metal

LEVEL 2

[Open to Year 12 and 13 students]

Credits: 13 - 18

Leads onto: Trade Courses and Product Design

This practical course is based around Level 2 Engineering Unit Standards. All units are internally assessed and externally moderated; there is no end of year exam. A sound level of literacy and numeracy is needed as students will be required to complete theory workbooks in order to achieve the Unit Standards. Students are able to work on a variety of projects including the pocket rocket motor bike, drift trike, or a number of smaller projects which meet their needs and abilities. Students would take part in some or all of the following activities.

- Select, use and care for engineering hand tools.
- Select, use and maintain portable handheld engineering power tools.
- Select, use and care for engineering dimensional measuring equipment.
- Select, use and care for engineering marking-out equipment.
- Demonstrate and apply safe welding procedures under supervision.

As the Level 3 Unit Standards are industry based, Year 13 students returning to the class will be offered a range of Level 2 Unit Standards not covered the previous year.

Credits gained in this course count towards the National Certificate in Engineering as well as NCEA.

NOTE: *Provision will be made for students who had success with Level 1 Achievement Standards in 2013, to work on Level 2 Achievement Standards if they wish to continue with that line of study. This will allow for the achievement of Merit and Excellence credits. Students will need to discuss this option with Mr Dodds.*

Costs: \$75 plus clear-file folder

Teacher Contact: Mr Dodds / Mr Viggo