

TECHNOLOGY

Design It - Make It - See It Work

10DMS

SUBJECT DESCRIPTION:

Students will investigate and make judgements on how the characteristics and properties of materials are combined with force, motion and energy to create engineered solutions. To do this they will design and create hydraulic models using CAD and Laser Technology to produce working models in a range of materials used in the engineering workshop.

VCE SUBJECT LINKS

Design and Technology - Engineering

THIS SUBJECT ENHANCES LEARNING IN:

Physical Sciences

Mathematics

ASSESSMENT:

- Theory - Understanding hydraulic principles
- Design - Completion of a working 2D schematic of their hydraulic lifting mechanism and a working virtual model on CAD.
- Production and evaluation

Woodwork

10WOO

SUBJECT DESCRIPTION:

Year 10 Woodwork seeks to develop design ideas that are aesthetically pleasing. Various species of timber are used and basic construction techniques are explored. Safe use of hand and power tools is demonstrated. Students work through investigating existing products on the market and designing their own for production. When complete, students evaluate their work.

In this unit, students will study:

- Investigating existing designs
- Develop design ideas
- Produce basic joinery
- Evaluate completed product

VCE SUBJECT LINKS

VCE/VET Furnishing

Product Design and Technology

THIS SUBJECT ENHANCES LEARNING IN:

Technology subjects

ASSESSMENT:

- Serving tray and chopping board
- Sculptural or turned product

