

DESIGN TECHNOLOGY



Elective Learning Area

Course Outline

Design Technology focuses on the underpinning industry practices and construction processes required to create, maintain and repair the built environment. Students learn to meet customer expectations of quality at a specific price and time. In addition, they understand industry practices; interpret specifications, including information and drawings; safely demonstrate fundamental construction skills and apply skills and procedures with hand/power tools and equipment; communicate using oral, written and graphical modes; organise, calculate and plan construction processes; and evaluate the structures they create using predefined specifications.

Pathways

Year 11 Building and Construction Skills, Year 11 Engineering Skills, Year 11 Furnishings Skills

Structure

| Areas of study | Core topics |
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| Building and Construction <ul style="list-style-type: none">• Carpentry• Safety | <ul style="list-style-type: none">• Demonstrate fundamental construction skills• Select and apply construction skills and procedures in construction tasks• Create structures from specifications• Interpret drawings and technical information• Plan and adapt construction processes• Evaluate industry practices, construction processes and structures, and make recommendations. |
| Engineering Skills <ul style="list-style-type: none">• Sheet Metal• Fitting and Turning• Safety | <ul style="list-style-type: none">• Describe industry practices in manufacturing tasks• Demonstrate fundamental production skills• Interpret drawings and technical information• Select and apply production skills and procedures in manufacturing tasks• Plan and adapt production processes• Evaluate industry practices, construction processes and structures, and make recommendations. |
| Furnishings Skills <ul style="list-style-type: none">• Furniture joints• Finishing• Laminating timber• Safety | <ul style="list-style-type: none">• Interpret drawings and technical information• Analyse manufacturing tasks to organise materials and resources• Plan and adapt production processes• Create products from specifications• Evaluate industry practices, production processes and products, and make recommendations. |

Assessment

OHS – Online tests, Journal and Workbook
Practical Projects – Wooden Trinket Box, Metal Lunch Box, Saw Horse