

What is Materials Design and Technology (Wood) General?

The Materials Design and Technology General course is a practical course. The course has the design and manufacture of wood products as the major focus. Through inquiry, experimentation and research, students develop their creativity and understanding of the society in which they live. Working with materials, students develop a range of manipulation, processing, manufacturing and organisational skills. When designing with materials, they develop cognitive skills, such as solving problems, generating ideas, creative design strategies and communicating what they do.

How will Materials Design and Technology (Wood) General help me in the future?

Students may achieve vocational education and training (VET) competencies as they complete their design projects, while at the same time, developing cognitive skills fundamental to designing in a practical context. This process enhances employability and may lead to further training and employment opportunities in areas that include manufacturing, design, built environment, science and engineering. The Materials Design and Technology General course aims to prepare all students for a future in a technological and material world by providing the foundation for lifelong learning about how products are designed and how materials are developed and used.

What content will I study in Year 11 and Year 12?

Year 11	
Materials Design and Technology (Wood) General Unit 1 <i>Students interact with a variety of items that have been specifically designed to meet certain needs. Students are introduced to the fundamentals of design. They learn to communicate various aspects of the technology process by constructing what they design.</i>	Materials Design and Technology (Wood) General Unit 2 <i>Students interact with products designed for a specific market. They use a range of techniques to gather information about existing products and apply the fundamentals of design. Students learn to conceptualise and communicate their ideas and various aspects of the design process within the context of constructing what they design.</i>
Year 12	
Materials Design and Technology (Wood) General Unit 3: <i>Students develop an understanding of the elements and fundamentals of design and consider human factors involved in the design, production and use of their projects. They develop creative thinking strategies and work on design projects within specified constraints.</i>	Materials Design and Technology (Wood) General Unit 4: <i>Students extend their understanding of safe working practices and contemporary manufacturing techniques and develop the knowledge, understanding and skills required to manage the processes of designing and manufacturing.</i>

Where can I find out more about Materials Design and Technology (Wood)?

https://senior-secondary.scsa.wa.edu.au/_data/assets/pdf_file/0003/141375/Materials-Design-and-Technology-Y11-Syllabus-General-2016-GD_pdf.pdf

You can also talk to:

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