

Course Information



Design and Technology

Material Design and Technology - Metal | MDTM

About the course

The Materials Design and Technology General course is a practical course. Students will work with metals and with the design and manufacture of products as the major focus. Students have the opportunity to develop and practise skills that contribute to creating a physical product, while acquiring an appreciation of the application of a design process, and an understanding of the need for materials sustainability. Students will learn and practise manufacturing processes and technologies, including principles of design, planning and management.







G1MDTM

Unit 1 Fundamentals of design

In this course you will interact with a variety of items that have been specifically designed to meet certain needs. You are introduced to the fundamentals of design and learn to communicate various aspects of the technology process by constructing what you design. Throughout the process, you will learn about the origins, classifications, properties and suitability for purpose of the materials you are using and are introduced to a range of production equipment and techniques.

You develop materials manipulation skills and production management strategies and are given the opportunity to realise your design ideas through the production of your design project.

 <p>Prerequisites Nil</p>	 <p>Type of Assessment 25% Design 60% Production 15% Response</p>
 <p>Year of Study Year 11</p>	 <p>Costs \$90</p>