

VCE Product Design and Technology - Wood

This study engages students in technological tasks that call on their knowledge and understanding of the materials and production processes to design and make products suitable for their intended purpose.

They develop the ability to understand, communicate and develop creative solutions while using tools, resources and human capabilities to complete a task for a given context.

Unit 1 & 2	Unit 3 & 4
<p>In Unit 1 & 2 you will:</p> <ul style="list-style-type: none"> • Develop knowledge in the role of scheduled production plans • Investigate methods for relevant product design factors in a design brief • Develop knowledge of tools, equipment and machines for specific purposes • Use critical and creative design techniques • Learn methods of construction to efficiently make a product • Work individually and as a team to make products safely 	<p>In Unit 3 & 4 you will:</p> <ul style="list-style-type: none"> • Analyse product design factors that influence the designer • Assess the steps of the initial stages of the product design process • Develop knowledge of innovation and its importance in product development • Learn methods of communicating a product specification in working drawings • Develop an understanding of key factors to determine the quality of a product • Learn risk management associated with selecting and using tools
Types of assessment	Class Activities
<ul style="list-style-type: none"> • Written tests • Written reports • Project construction • Examination • Design construction exercises • Tools and machinery skills • Design folio 	<ul style="list-style-type: none"> • Follow the design process • Research projects to be constructed • Investigate design and material options • Develop technical drawings • Gain knowledge of materials and tools • Learn various production techniques

Careers that may link to this subject area

Architect
Construction Engineer

Builder
Draft person

Building consultant
Industrial designer

Cabinet maker
Interior designer

Please note: VCE D&T Textiles, VCE D&T Metals and VCE D&T Wood are all run on the same course guidelines therefore students can only choose one of these subjects as credit towards their VCE.

