



DURATION OF SUBJECT	ONE YEAR
FINANCIAL COMMITMENT	REFER TO FEE SCHEDULE
COURSE REQUIREMENTS	
COURSE CONTENT	
<p>Materials Technology involves the design and manufacture of products, industrial systems and graphical representations focusing on metal, timber and plastics industries. Materials Technology will focus on the creation, development and communication of concepts and specifications for products, with references to the procedures and techniques used to combine and process materials, and organise and control systems into useful products. In short, students use metal, timber, and plastic materials to produce a product.</p> <p>The communication of design through sketches, annotations, documentation and graphical representations is an integral aspect of the design process. When communicating design ideas for different audiences, the needs of the audience influence the complexity and presentation of the communication.</p> <p>Safety is an aspect of the course, which is considered of great importance as it involves all workshop users. Students are required to wear closed in leather shoes of strong construction. Long hair must be tied back and the behaviour of students in the workshop is to be of a safe manner at all times. Safety glasses are to be worn at all times in the workshop.</p> <p>Parental permission is required for high or extreme risk activities</p>	
UNIT 1	ASSESSMENT
Breadboard and Hardware Box	Students manage production techniques and skills to document and use workshop knowledge to manage the manufacture of a pine breadboard and hardware box (tool carry). Student may design minor solutions to user specifications.
UNIT 2	ASSESSMENT
Spice Rack	Students independently and in groups design minor solutions to user specifications. They, subsequently, safely produce effective designed solutions and then manage production techniques and skills to document and use workshop knowledge to manage the manufacture of a pine spice rack.
UNIT 3	ASSESSMENT
Garden Weeder & Dog Food Scoop	Students manage production techniques and skills to document and use workshop knowledge to manage the manufacture of a garden weeder and dog food scoop.
UNIT 4	ASSESSMENT
Landing Net	Students manage production techniques and skills to document and use workshop knowledge to manage the manufacture of a Landing Net.
CAREER PATHWAYS	
<p>A course of study in Materials Technology can establish a basis for further education and employment in the furnishing, engineering, or construction industry.</p> <p>With additional training and experience, potential employment opportunities may be found in industrial trades as, for example, a furniture-maker, wood machinist, cabinet-maker, polisher, shopfitter, upholsterer, furniture restorer, picture framer, floor finisher or glazier, sheet metal worker, metal fabricator, welder, maintenance fitter, metal machinist, locksmith, air-conditioning mechanic, refrigeration mechanic or automotive mechanic, construction worker, concreter, bricklayer or labourer.</p>	
FIND OUT MORE	<p>Construction Skills Queensland</p> <p>Ai Group - Apprenticeships and Traineeships</p> <p>Housing Industry Australia</p>