## STAGE 5 COURSE: Design and Technology YEAR 10 2024

ASSESSMENT Task Number: 1 Nature of Task: Written folio and practica Percentage: 25% Reported: Semester 1 Week: 8
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Week: 8
Assessment
Task Number: 2
Nature of Task:
Report and Presentation
Percentage: 25%
Week: 7
Reported: Semester 2

	Materials Technologies			
	Unit Overview	Assessment		
	Identify opportunities for new and better solutions	Task Number: 3		
	Consider the requirements of end users and stakeholders	Nature of Task:		
	Generate ideas, research solutions and employ collaborative techniques when developing creative design ideas	Folio and Product		
	<ul> <li>Apply design thinking when developing and producing design projects for preferred futures</li> </ul>			
	Develop criteria for success for design projects	Percentage: 30%		
	Access, identify and summarise information and data	Week: 10		
	Interpret and manipulate data to aid the development of design ideas	Reported: Semester 2		
	Research appropriate materials, processes and production methods for design projects			
MING	Apply and communicate research findings to design projects			
eeks:	Analyse the social, financial and environmental impact of design projects			
- 10	Refine design ideas to address needs and opportunities			
	Develop a range of appropriate techniques to communicate and present design ideas to a targeted audience			
	Calculate material and resource requirements			
	Select and use a variety of materials, techniques, tools and equipment appropriate to the focus area of design			
	<ul> <li>Justify techniques and resources being used in the creation of products, systems and environments for a preferred future</li> </ul>			
	Design and produce practical projects in a safe manner			
	Document and evaluate design processes and solutions against criteria for success			
	Justify and document decisions made during development of design projects			
	Evaluate the short and long-term consequences of design projects on the individual, society and the environment			
	<ul> <li>Initiate and manage action to successful completion in response to needs and opportunities when developing design projects</li> </ul>			

TERM 3				
	Design Processes, Activity of Designers			
	UNIT OVERVIEW	Assessment		
Timing	See above Term 2			
Weeks: 1 - 10				
1-10				

	TERM 4	
<b>TIMING</b> Weeks: 1-2	UNIT OVERVIEW See above term 2	Assessment
TIMING Weeks: 5 - 10	Design Processes, Activity of Designers, A Holistic Approach  Unit Overview  • Identify apportunities for new and better solutions	Task Number:
	<ul> <li>Identify opportunities for new and better solutions</li> <li>Initiate and manage action to successful completion in response to needs and opportunities when developing design projects</li> <li>Self-assess and peer-assess design processes and solutions</li> <li>Employ technological processes commonly used in commercial enterprises to develop design projects</li> <li>Generate ideas, research solutions and employ collaborative techniques when developing creative design ideas</li> <li>Maintain a safe work environment when producing a design project</li> </ul>	Nature of Task: 4 Yearly Examination Percentage: 20% Week: Week 4 Reported: Semester 2