



SAMPLE ASSESSMENT OUTLINE

MATERIALS DESIGN AND TECHNOLOGY
ATAR YEAR 12

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Sample assessment outline

Materials Design and Technology – ATAR Year 12

Unit 3 and Unit 4

Assessment component – weighting for combined mark	Assessment type and weighting (from syllabus)	Assessment task weighting	When	Assessment task	
Written 50%	Design (written) 40%	10%	Semester 1 Weeks 1–2	Task 1: Develop a statement of intent or design proposal <ul style="list-style-type: none"> identify a design problem or situation to be solved and propose client requirements and limitations 	
		15%	Semester 1 Weeks 2–4	Task 2: Investigate – design proposal <ul style="list-style-type: none"> target audience/market, demand, niche market design needs, values and trends performance criteria related to needs, values and beliefs of the developer and end user historical, social, cultural and political sources of design inspiration design fundamentals and factors affecting design 	
		15%	Semester 1 Weeks 5–7	Task 4: Devise and develop concepts <ul style="list-style-type: none"> apply rapid concept development techniques to generate a variety of design ideas develop concepts through concept drawings, patterns or templates 	
	Response 20%		10%	Semester 1 Weeks 4–5	Task 3: Investigate and report on the nature and properties of materials <ul style="list-style-type: none"> research and identify the nature and properties of materials suitable for the development of a solution: as per context syllabus content dot points
			5%	Semester 1 Weeks 10–13	Task 9: Research materials in context as per context syllabus content dot points
			5%	Semester 2 Weeks 1–2	Task 11: Research materials in context as per context syllabus content dot points
	Written examination 40%		15%	Examination week	Task 10: Semester 1 Written examination – a representative sample of the syllabus content from Semester 1 – using a modified examination design brief from the syllabus – length two and a half hours
			25%	Examination week	Task 14: Semester 2 Written examination – a representative sample of the syllabus content from Unit 3 and Unit 4 – using a modified examination design brief from the syllabus – length two and a half hours
		100%	100%		

Assessment component – weighting for combined mark	Assessment type and weighting (from syllabus)	Assessment task weighting	When	Assessment task
Practical 50%	Design (practical) 30%	10%	Semester 1 Week 6–7	Task 5: Devise solution <ul style="list-style-type: none"> develop a solution through working drawings, patterns or templates
		10%	Semester 1 Week 7–8	Task 6: Presentation drawing of proposed solution – colour-rendered pictorial 3D drawing, either CAD or hand drawn
		10%	Semester 1 Week 9	Task 7: Production management plan <ul style="list-style-type: none"> materials list estimated and actual costing for all materials/components production plan, including time line
	Production 50%	10%	Semester 1 Week 10–13	Task 8: Pre-production skills – task/s to revise and demonstrate safe working practices, and develop practical hand and machine skills through modelling, prototype or toile making
		40%	Semester 2 Week 1–9	Task 12: Production management <ul style="list-style-type: none"> manage production processes independently <ul style="list-style-type: none"> maintain a production plan in order to manage processes and meet time constraints adapt planned actions, equipment and resources to complete production apply production techniques that reduce material wastage consider client feedback, and modify production processes accordingly document and record changes to materials lists and/or changes to actual cost of materials diary, journal and portfolio note entries, including <ul style="list-style-type: none"> ongoing evaluation of production processes and techniques use of photography and notes to record ongoing progress/decision changes made to the project
	Final Product evaluation 20%	10%	Semester 2 Week 10–11	Task 13 Part A: Practical final product evaluation <ul style="list-style-type: none"> evaluation of design and production processes and techniques evaluation of completed product; written report on, and photographs, of completed product
		10%	Semester 2 Week 12	Task 13 Part B: Portfolio presentation and final product presentation <ul style="list-style-type: none"> product evaluation against design brief, initial design and performance criteria related to needs, values and beliefs of the developer and end user presentation, with evaluation report, to display the quality of the final product portfolio presentation with critical record of design and production processes, and finished product in relation to the design brief, including photographic evidence of the details of the finished product
		100%	100%	