



SAMPLE ASSESSMENT OUTLINE

ENGINEERING STUDIES
ATAR YEAR 11

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Sample assessment outline

Engineering Studies – ATAR Year 11

Unit 1 and Unit 2

Semester 1

Assessment type and weighting	Assessment task weighting	When/ duration	Assessment task
Design 30%	5%	Term 1 Weeks 1–2	Introduction to unit and course outline Task 1: Design project one Using a design process <ul style="list-style-type: none"> determine design brief investigate and develop ideas
	10%	Term 1 Weeks 3–5	Task 2: Investigate materials and components <ul style="list-style-type: none"> research materials and components suitable for the development of a solution research forms of energy determine form of energy suitable for the project
	10%	Term 1 Weeks 6–7	Task 3: Developing a solution for project one <ul style="list-style-type: none"> through annotated pictorial drawings of ideas to a final drawn proposal calculations to estimate design function
	5%	Term 2 Week 6	Task 7: Evaluation of completed project one Written report on and photographs of completed product
Production 40%	5%	Term 1 Weeks 8–10	Task 4: Pre-production <ul style="list-style-type: none"> working drawings – detailed orthogonal drawings lists of materials, parts and components develop production plan on a timeline
	5%		Task 5: Pre-production skills Develop production skills; apply safety and practice task/s to develop practical hand and machine skills. Modelling or prototype.
	30%	Term 2 Weeks 1–5	Task 6: Manufacture of proposed project one Using prepared production plan, materials and available equipment; record of progress.
Examination 30%	30%	Term 2 Examination weeks 7–8	Task 8: Semester 1 examination – of approximately 2 hours, using a modified examination design brief from the Year 12 syllabus
Total	100%		

Semester 2

Assessment type and weighting	Assessment task weighting	When/ duration	Assessment task
Design 30%	5%	Term 3 Weeks 1–3	Re-introduction to design process, and development of a design folio Task 9: Design project two design process <ul style="list-style-type: none"> determine design brief investigate and develop ideas
	10%	Term 3 Weeks 4–6	Task 10: Investigate materials and components <ul style="list-style-type: none"> research materials and components suitable for the development of a solution research efficiency of selected forms of energy research obsolescence
	10%	Term 3 Weeks 7–8	Task 11: Developing a solution for project two <ul style="list-style-type: none"> through annotated pictorial drawings of ideas to a final drawn proposal annotated orthographic concept drawings either CAD or hand drawn calculations to estimate design function
	5%	Term 4 Week 6	Task 15: Evaluation of completed project two; written report on and photographs of completed product.
Production 40%	10%	Term 3 Weeks 9–10	Task 12: Pre-production <ul style="list-style-type: none"> working drawings – detailed orthogonal drawings lists of materials, parts and components develop production plan on a timeline
		Term 4 Week 1	Task 13: Pre-production skills Develop production skills; apply safety and practice task/s to develop practical hand and machine skills. Modelling or prototype.
	30%	Term 4 Weeks 2–4	Task 14: Manufacture of proposed project two Using prepared production plan, materials and available equipment; record progress in design folio.
Examination 30%	30%	Term 4 Examination weeks 5–6	Task 16: Semester 2 examination – of approximately 2 hours, using a modified examination design brief from the Year 12 syllabus
Total	100%		