**Sample Assessment Outline**

Materials Design and Technology

ATAR Year 11

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Sample assessment outline

Materials Design and Technology – ATAR Year 11

Units 1 and 2

| **Assessment type and weighting** | **Assessment task weighting** | **Duration** | **Assessment task** |
| --- | --- | --- | --- |
| Design25% | 5% | Term 1Week 1–3 | **Task 1:** Investigate and develop ideas from:* needs, values and beliefs of the designer/developer
* sources of design inspiration
* performance criteria for products
* application of design fundamentals and factors affecting design.
 |
| 8% | Term 1Week 6–9 | **Task 3:** Developing a solution; through concept drawings, working drawings, patterns or templates.Final drawn proposal. Presentation drawing of proposed solution – colour rendered pictorial 3D drawing either CAD or hand drawn. Prepare production plan, materials lists and costing/ordering; record progress in design portfolio. |
| 5% | Term 3Week 1–2 | **Task 8:** Investigate and develop ideas from:* needs, values and beliefs
* performance criteria
* historical, social and cultural sources of design inspiration
* specific design characteristics/features of; products, designers and industries
* application of design fundamentals and factors affecting design.
 |
| 5% | Term 3Week 5–7 | **Task 11:** Developing a solution; through concept drawings, working drawings, patterns or templates.Final drawn proposal.Presentation drawing of proposed solution – colour rendered pictorial 3D drawing either CAD or hand drawn. |
| 2% | Term 3Week 8–9 | **Task 12**: Prepare production plan, materials lists and costing/ordering; record progress in design portfolio. |

| **Assessment type and weighting** | **Assessment task weighting** | **Duration** | **Assessment task** |
| --- | --- | --- | --- |
| Production50% | 5% | Term 2Week 1–2 | **Task 4:** Production skills; apply and practice safety during task/s to develop practical hand and machine skills. Modelling, prototype or toile. |
| 20% | Term 2 Week 2–6Week 9–10 | **Task 5:** Manufacture of proposed product; using prepared production plan, materials and available equipment; record progress in design portfolio. |
| 25% | Term 4 Week 2–4Week 7–9 | **Task 13:** Manufacture of proposed product; using prepared production plan, materials and available equipment; record progress in design portfolio. |
| Response25% | 5% | Term 1Week 4–5 | **Task 2:** Investigate materials. Research materials suitable for the development of a solution, and report on:* nature and properties of materials
* materials in context.
 |
| 2% | Term 2Week 10 | **Task 6:** Evaluation of completed product; written report on and photographs of completed product. |
| 5% | Term 2ExaminationWeek 7–8 | **Task 7:** **Semester 1 examination** – of approximately 2 hours, using a modified examination design brief from the Year 12 syllabus. |
| 3% | Term 3Week 3 | **Task 9:** Investigate materials. Research materials suitable for the development of a solution, and report on nature and properties of materials. |
| 3% | Term 3Week 4 | **Task 10:** Investigate materials in context.Research examples of sustainability with regard to:* sustainable materials
* sustainable production processes.
 |
| 2% | Term 4Week 9 | **Task 14:** Evaluation of completed product; written report on and photographs of completed product. |
| 5% | Term 4ExaminationWeek 5–6 | **Task 15: Semester 2 examination** –of approximately 2 hours, using a modified examination design brief from the Year 12 syllabus. |
| Total | 100% |  |  |