**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** |
| --- | --- | --- | --- |
| Design  25% | 5% | Term 1  Week 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 1  Week 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 3  Week 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 3  Week 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 3  Week 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** |
| --- | --- | --- | --- |
| Production  50% | 5% | Term 2  Week 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 2–6  Week 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 2–4  Week 7–9 | **Task 13:** Manufacture of proposed product; using prepared production plan, materials and available equipment; record progress in design portfolio. |
| Response  25% | 5% | Term 1  Week 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 2  Week 10 | **Task 6:** Evaluation of completed product; written report on and photographs of completed product. |
| 5% | Term 2  Examination  Week 7–8 | **Task 7:** **Semester 1 examination** – of approximately 2 hours, using a modified examination design brief from the Year 12 syllabus. |
| 3% | Term 3  Week 3 | **Task 9:** Investigate materials.  Research materials suitable for the development of a solution, and report on nature and properties of materials. |
| 3% | Term 3  Week 4 | **Task 10:** Investigate materials in context.  Research examples of sustainability with regard to:   * sustainable materials * sustainable production processes. |
| 2% | Term 4  Week 9 | **Task 14:** Evaluation of completed product; written report on and photographs of completed product. |
| 5% | Term 4  Examination  Week 5–6 | **Task 15: Semester 2 examination** –of approximately 2 hours, using a modified examination design brief from the  Year 12 syllabus. |
| Total | 100% |  |  |