



SAMPLE ASSESSMENT OUTLINE

MATERIALS DESIGN AND TECHNOLOGY

GENERAL YEAR 12

Acknowledgement of Country

Kaya. The School Curriculum and Standards Authority (the Authority) acknowledges that our offices are on Whadjuk Noongar boodjar and that we deliver our services on the country of many traditional custodians and language groups throughout Western Australia. The Authority acknowledges the traditional custodians throughout Western Australia and their continuing connection to land, waters and community. We offer our respect to Elders past and present.

Copyright

© School Curriculum and Standards Authority, 2026

This document – apart from any third-party copyright material contained in it – may be freely copied, or communicated on an intranet, for non-commercial purposes in educational institutions, provided that the School Curriculum and Standards Authority (the Authority) is acknowledged as the copyright owner, and that the Authority's moral rights are not infringed.

Copying or communication for any other purpose can be done only within the terms of the *Copyright Act 1968* or with prior written permission of the Authority. Copying or communication of any third-party copyright material can be done only within the terms of the *Copyright Act 1968* or with permission of the copyright owners.

Any content in this document that has been derived from the Australian Curriculum may be used under the terms of the [Creative Commons Attribution 4.0 International licence](#).

Disclaimer

Any resources, such as texts and websites, that may be referred to in this document are provided as examples of resources that teachers can use to support their learning programs. Their inclusion does not imply that they are mandated or that they are the only resources relevant to the course. Teachers must exercise their professional judgement as to the appropriateness of any resources they may wish to use.

Sample assessment outline

Materials Design and Technology – General Year 12

Unit 3 and Unit 4

Assessment type and weighting	Assessment task weighting	Due date	Assessment task
Design (Practical portfolio) 25%	5%	Semester 1 Week 15	Task 4: Design portfolio (Part 1) – Research and design brief creation Students apply a design process to create a design portfolio. They complete research, create a design brief and develop criteria that will be used in Task 7.
	20%	Semester 2 Week 4	Task 5: Design portfolio (Part 2) – Devising solutions and planning stages Students apply a design process to create a design portfolio. They plan the process and production for manufacturing a product/project.
Production (Practical) 50%	15%	Semester 1 Week 8	Task 2: Pre-production skills development Students follow instructions from a given design brief and given plans and use tools, equipment and machinery to complete a skills development project.
	35%	Semester 2 Week 14	Task 6: Design portfolio (Part 3) – Manufacture a product or project Students use their prepared production plan from Task 4 to manufacture a product or project using available materials and equipment.
Response (Written) 10%	5%	Semester 1 Week 2	Task 1: Materials properties and characteristics Students complete short answer style responses on: - nature and properties of materials - materials in context.
	5%	Semester 2 Week 15	Task 7: Design portfolio (Part 4) – Evaluation of the completed product or project Students produce a written report on, including photographs of, the completed product or project from Task 6.
Externally set task 15%	15%	Semester 1 Week 12	Task 3: Externally set task A written task or item or set of items of 50 minutes duration developed by the School Curriculum and Standards Authority based on the content from Unit 3 and administered by the school.
	Total weight: 100%		