



Government of **Western Australia**  
School Curriculum and Standards Authority

## SAMPLE ASSESSMENT TASKS

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ENGINEERING STUDIES  
GENERAL YEAR 11

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## Sample assessment task

### Engineering Studies – General Year 11

#### Task 6 – Unit 1

**Assessment type:** Production

#### Manufacture of proposed project one

Use safe production methods to produce the product.

Document a daily work log/time sheet, including record of production with stage photos of production.

**(30 marks)**

#### Conditions

Period allowed for completion of the task: six weeks

#### Task weighting

25% of the school mark for this pair of units

#### What you need to document and include in your daily work log/time sheet

- An ongoing completed record of production with photos at each stage of production
- Photographs of completed project

#### Use the following procedures to complete the product

- follow proposed production plan
- use a timeline to construct and test the solution
  - maintain safety requirements
  - record changes to materials lists or costing
  - record regular journal/diary entries
- construct solution by selecting and using appropriate tools and machines, following safe work practices
- ongoing evaluation techniques: diary, journal or portfolio notes and use of photography to record ongoing progress/decision changes made to the product.

What needs to be submitted for assessment	Due dates
<input type="checkbox"/> Stages of production (teacher observation)	
<input type="checkbox"/> Production stage photos/daily work log for making process	
<input type="checkbox"/> Completed product	





## Sample assessment task

### Engineering Studies – General Year 11

#### Task 7 – Unit 1

**Assessment type:** Design

#### Evaluation of completed project one

Test and evaluate your finished product by responding to evaluation questions. **(20 marks)**

#### Conditions

Period allowed for completion of the task: one week, completed during the final week of the term.

#### Task weighting

2% of the school mark for this pair of units

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#### What you need to do

Write clear statements to evaluate the project.

Comment on the following key points, using some relevant or all minor dot points:

Test the solution for correct function and document using checklists and test data

- Did the product meet the design requirements?
  - compare product against design ideas and final drawings
  - comment on appearance, function and safety
    - o shape and size
    - o finish
    - o operating efficiency
    - o safe usage
- Did the manufacturing processes achieve a quality product?
  - comment on success of manufacturing skills
    - o correct shape and size as per design
    - o proportion and fit
    - o accurate joins, no gaps
    - o manufacturing influences on appearance
  - ability to keep to the production procedure
- Could the shape, size and design features of the product be improved?
  - comment on variations and changes to the design – aesthetics, materials and function

What needs to be submitted for assessment	Due dates
<input type="checkbox"/> Completed tested product and evaluation report	

## Marking key for sample assessment Task 7 – Unit 1

Evaluation of completed proposed project one	Maximum possible mark	Allocated mark
Evaluation comments with regards to the specifications and design considerations of aesthetics, function and safety <ul style="list-style-type: none"> <li>• comments clearly referring to specific design considerations combined with justification of design fulfilling statement of intent requirements</li> <li>• comments outlining major uses and function, and referring to points within statement of intent</li> <li>• comments linked to statement of intent expressing personal likes and dislikes about finished project</li> <li>• comments outlining use of box, but little reference to statement of intent</li> <li>• comments reflecting superficial evaluation</li> </ul>	9–10 7–8 5–6 3–4 1–2	<b>/10</b>
Comments on the manufacturing processes <ul style="list-style-type: none"> <li>• clear flow of evaluation of all procedures with reference to specific procedures, improvements with little or no criticism of process</li> <li>• appropriate reporting and/or comment on procedures with some logical evaluation of operations, with little criticism of process</li> <li>• comments on procedures with limited evaluation of operations, and some criticism of process</li> <li>• brief comments with few references to journal or diary</li> <li>• comments reflecting superficial evaluation</li> </ul>	5 4 3 2 1	<b>/5</b>
Evaluation comments with regards to the shape and size – improvements <ul style="list-style-type: none"> <li>• clear comments referring aesthetics, function and safety influenced by shape and size and suggested improvements</li> <li>• comments suggesting improvements referring to major design considerations</li> <li>• comments expressing personal likes and dislikes about improvements</li> <li>• brief reference to design changes to improve function or aesthetics</li> <li>• few comments/superficial notes on improvements</li> </ul>	5 4 3 2 1	<b>/5</b>
	<b>Total</b>	<b>/20</b>