

Year 12 2023
INDUSTRIAL TECHNOLOGY
C SMITH



Task Number: 1

Notification Date: 16/11/2023

Weight: 20%

Due Date: 30/11/2023 to Mr Smith by 3.20pm

OUTCOMES ASSESSED

H3.1 demonstrates skills in sketching, producing and interpreting drawings
H3.2 selects and applies appropriate research and problem-solving skills
H3.3 applies and justifies design principles through the production of a Major Project
H5.1 selects and uses communication and information processing skills

TASK DESCRIPTION

Designing and planning of Major Project presentation.

TASK INSTRUCTIONS

Major Project design proposal:

Students are to present their Major Project design proposal through the submission of their design portfolio template with the following sections completed: initial design drawings, budget plan, Gantt chart, and 'Statement of Intent' for the project.

The 'Statement of Intent' should be approximately 1 A4 page in length, in 12 point font size with 1.5 line spacing.

Design Portfolio:

Students are to present a template that they intend to use for their Design Portfolio, it should show evidence of some research and development that includes the following:

- Cover Page
- Statement of Intent
- Orthographic Design Sketches
- Budget Plan
- Time-Action Plan/Gantt Chart

Teacher's signature: _____

Head Teacher Admin's signature _____

Deputy Principal's signature _____

Criteria for assessment and marking/rubric:

Design Portfolio Mark (20%)	
<ul style="list-style-type: none"> ● All outlined areas of the design portfolio are completed comprehensively to a high standard and include all information to be able to construct the project. ● Design sketches completed using CAD software OR are accurately ruled in pencil, including all dimensions. ● Communicates the design process clearly using text, photographs, and sketches. ● Budget plan is completed and demonstrates in-depth costing research. ● Gantt chart is completed and demonstrates thorough awareness of timing of design and construction processes. ● References all practical assistance and design concepts. ● Clearly justifies materials and construction techniques. 	16-20
<ul style="list-style-type: none"> ● All outlined areas of the design portfolio are completed to a sound standard and include all information to be able to construct the project. ● Design sketches are ruled in pencil, including most dimensions. ● Attempts to reference practical reference and design concepts. ● Budget plan is completed and demonstrates in-depth costing research. ● Gantt chart is completed and demonstrates awareness of timing of design and construction processes. ● Communicates the design process using text, photographs, and sketches. ● Justifies materials and construction techniques. 	12-15
<ul style="list-style-type: none"> ● 75% of outlined design portfolio areas are completed or mostly complete. ● Design sketches are drawn freehand or in pen. ● Communicates the design process using text, or photographs and sketches. ● Budget plan is partly completed. ● Gantt chart is partly completed. ● Justifies materials or construction techniques. 	8-11
<ul style="list-style-type: none"> ● 50% of the design portfolio areas are completed or mostly complete. ● Design sketches are attempted but incomplete. ● Communicates the design process using photographs or sketches. ● Lists materials or construction techniques. 	4-7
<ul style="list-style-type: none"> ● Limited completion of outlined design portfolio areas. 	1-3
<ul style="list-style-type: none"> ● Non-attempt or does not meet required outcomes. 	0

Task Feedback:

Teacher Signature: _____ Date: _____

Task Mark	Task Rank	Cumulative Rank