

## MANILLA CENTRAL SCHOOL - ASSESSMENT TASK NOTIFICATION 2024

### Stage 5 Industrial Technology: Metal – Mr M. Van Doesburg

Task Number: 3

Notification Date: Term 3, Week 4 - 12/08/2024

Weight: 35%

Due Date: Term 3, Week 9 - Thursday 19/08/2024

by 3.20pm to Mr. Van Doesburg



# Camp BBQ and Design Portfolio

## OUTCOMES ASSESSED

**IND5-1** identifies, assesses, applies and manages the risks and WHS issues associated with the use of a range of tools, equipment, materials, processes and technologies

**IND5-2:** applies design principles in the modification, development and production of projects.

**IND5-3:** identifies, selects and uses a range of hand and machine tools, equipment and processes to produce quality practical projects.

**IND5-4:** selects, justifies and uses a range of relevant and associated materials for specific applications.

**IND5-5:** selects, interprets and applies a range of suitable communication techniques in the development, planning, production and presentation of ideas and projects.

**IND5-6:** Identifies and participates in collaborative work practices in the learning environment.

**IND5-7:** applies and transfers skills, processes and materials to a variety of contexts and projects

**IND5-8:** evaluates products in terms of functional, economic, aesthetic and environmental qualities and quality of construction.

**IND5-9:** describes, analyses and uses a range of current, new and emerging technologies and their various applications

**IND5-10:** describes, analyses and evaluates the impact of technology on society, the environment and cultural issues locally and globally

## TASK DESCRIPTION

**Metal Project: Assessment of project and its completion at the due date (20%)**

**Design portfolio: Assessment of creation of a project design portfolio. (15%)**

## TASK INSTRUCTIONS

### Metal Project:

Students are to construct a Camp BBQ using appropriate construction steps.

The Camp BBQ project has been completed during Term 3 practical lessons, during which the teacher demonstrated and oversaw the correct metal working processes being completed.

### Design Portfolio:

Create a portfolio which includes:

- Cover Page
- Orthographic Design Sketches
- Steps in Construction
- Cutting List
- Resource List (Including WHS measures)
- Justification of materials and construction techniques.
- Photos of project after completion.
- Self-evaluation of the final product.
- Description of how the project could be mass produced with modern technologies with a focus on sustainable practises.

Teacher's signature: \_\_\_\_\_

Mr M Van Doesburg

Head Teacher Admin's signature: \_\_\_\_\_

Miss A Nott

Deputy Principal's signature: \_\_\_\_\_

Mrs R Ferguson

## MARKING CRITERIA

Practical Skills/Project Criteria	Mark
<ul style="list-style-type: none"><li>● Produces high quality work with accurate attention to detail.</li><li>● Quality of work is evident through a strong knowledge of techniques and processes.</li></ul>	16-20
<ul style="list-style-type: none"><li>● Produces sound quality work with mostly accurate attention to detail.</li><li>● Quality of work is evident through a sound knowledge of techniques and processes.</li></ul>	12-15
<ul style="list-style-type: none"><li>● Produces basic quality work. Accuracy and attention to detail is sometimes evident.</li><li>● Some knowledge of correct techniques and processes are evident.</li></ul>	8-11
<ul style="list-style-type: none"><li>● Project is incomplete and basic quality.</li><li>● Demonstrates a simple understanding of correct techniques and processes to produce quality work.</li></ul>	4-7
<ul style="list-style-type: none"><li>● Project is incomplete and some components are not present.</li><li>● Demonstrates a limited understanding of correct techniques and processes.</li></ul>	1-3
<ul style="list-style-type: none"><li>● Non-attempt or does not meet required outcomes.</li></ul>	0

Design Portfolio Criteria	Mark
<ul style="list-style-type: none"> <li>● 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.</li> <li>● Design sketches are accurately ruled in pencil, including all dimensions.</li> <li>● Communicates the design process clearly using text, photographs, and sketches.</li> <li>● Clearly justifies materials and construction techniques.</li> <li>● Evaluates work based upon function, quality of construction, and aesthetics.</li> <li>● Risk management and WHS issues are clearly identified for all tools, equipment, and processes.</li> <li>● Accurately describes new technologies and their applications for mass production</li> <li>● Clearly evaluates the impact of technology on society and the environment.</li> </ul>	13-15
<ul style="list-style-type: none"> <li>● All outlined areas of the design portfolio are completed to a sound standard and include all information to be able to construct the project.</li> <li>● Design sketches are ruled in pencil, including most dimensions</li> <li>● Communicates the design process using text, photographs, and sketches.</li> <li>● Justifies materials and construction techniques.</li> <li>● Evaluates work based upon one or two of the following: function, quality of construction, or aesthetics.</li> <li>● Risk management and WHS issues are identified for most tools, equipment, and processes.</li> <li>● Describes new technologies and their applications.</li> <li>● Evaluates the impact of technology on society and the environment.</li> </ul>	11-13
<ul style="list-style-type: none"> <li>● Most outlined design portfolio areas are completed or mostly complete.</li> <li>● Design sketches are drawn freehand or in pen.</li> <li>● Communicates the design process using text, or photographs and sketches.</li> <li>● Justifies materials or construction techniques.</li> <li>● Evaluates work based upon one of the following: function, quality of construction, aesthetics.</li> <li>● Attempts to identify some risk management and WHS issues relating tools, equipment, and processes.</li> <li>● Attempts describe new technologies and their applications.</li> <li>● Attempts evaluate the impact of technology on society and the environment.</li> </ul>	8-10
<ul style="list-style-type: none"> <li>● Some of the design portfolio areas are completed or mostly complete.</li> <li>● Design sketches are incomplete or unsatisfactorily drawn.</li> <li>● Communicates the design process using photographs or sketches.</li> <li>● Lists materials or construction techniques.</li> <li>● Attempts to evaluate their practical project.</li> </ul>	4-7
<ul style="list-style-type: none"> <li>● Limited completion of outlined design portfolio areas.</li> <li>● Design sketches are unsatisfactory or absent.</li> </ul>	1-3
<ul style="list-style-type: none"> <li>● Non-attempt or does not meet required outcomes.</li> </ul>	0

Task Mark:	Task Rank:	Cumulative Rank:

**Additional Feedback:**

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Teacher Signature: \_\_\_\_\_

Date: \_\_\_\_\_