

# MANILLA CENTRAL SCHOOL - ASSESSMENT TASK NOTIFICATION 2024

## Stage 4 Agriculture - Connors

Task Number: 2

Weight: 40%

Notification Date: Term 3, Week 7 - 6<sup>th</sup> September 2024

Due Date: Term 3, Week 10 - 27<sup>th</sup> September 2024

To Mr Connors by 3:20pm



# Design Folio

## OUTCOMES ASSESSED

- **TE4-1DP** Design, communicates and evaluates innovative ideas and creative solutions to authentic problems or opportunities.
- **TE4-2DP** Plans and manages the production of designed solutions
- **TE4-3DP** Selects and safely applies a broad range of tools, materials and processes in the production of quality projects.
- **TE4-5AG** Investigates how food and fibre are produced in managed environments.

## TASK DESCRIPTION

Students are to research essential garden requirements and conditions for growing plants: climate, moisture, nutrients etc. Students consider how climate conditions can be recreated using technology to optimise plant growth, such as the use of hydroponic equipment and greenhouses. Using this information, students will design their own hydroponics system to be implemented within the MCS Ag plot. Available gear will be discussed in class.

## TASK INSTRUCTIONS

In the portfolio, students are to include:

- A plan for a hydroponics system and nutrient requirements.
- Information such as specific nutritional requirements for specific plants should be collected in table form.
- Discussion of companion planting and seasonal choices of seedlings
- Further discussion on particular lighting requirements for specific plants

Your completed portfolio is to be submitted to Mr Connors by 3.20pm on 27<sup>th</sup> September 2024

If you require an extension on the due date of this task, speak to the Head Teacher Secondary Studies (Miss Nott)

Teacher's signature:

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Mr J Connors

Head Teacher's signature:

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Miss A Nott

Deputy Principal's signature:

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Mrs R Ferguson

## Marking Guidelines

<ul style="list-style-type: none"><li>• The student has an extensive knowledge and understanding of the essential garden requirements and conditions for growing plants and can readily apply this knowledge.</li><li>• The student has achieved a very high level of competence in sowing, maintaining and harvesting vegetables, and documenting specific information.</li></ul>	16-20
<ul style="list-style-type: none"><li>• The student has a thorough knowledge and understanding of the essential garden requirements and conditions for growing plants and a high level of competence in associated processes and skills.</li><li>• The student is able to apply this knowledge to sow, maintain and harvest vegetables, and documenting specific information.</li></ul>	12-15
<ul style="list-style-type: none"><li>• The student has a sound knowledge and understanding of the main areas of the essential garden requirements and conditions for growing plants</li><li>• The student has achieved an adequate level of competence in sowing, maintaining and harvesting vegetables.</li></ul>	8-11
<ul style="list-style-type: none"><li>• The student has a basic knowledge and understanding of the essential garden requirements and conditions for growing plants</li><li>• The student has demonstrated a limited ability to sow, maintain and harvest vegetables.</li></ul>	4-7
<ul style="list-style-type: none"><li>• The student has an elementary knowledge and understanding in few areas of the essential garden requirements and conditions for growing plants</li><li>• The student demonstrated very limited ability to sow, maintain and harvest vegetables.</li></ul>	1-3
<b>Task Mark</b>	

**Additional Feedback:**

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

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