ASSESSMENT TASK

SUBJECT: Marine Studies
YEAR GROUP: Yr 10
TASK TITLE: Fish tank maintenance

Name of Unit: Topic 2 – Design and maintain a fish tank
Type of Task: Practical assessment
Due Date: Term: 1 Week: 6-7
Weight: 15%

OUTCOMES ASSESSED
5.5.1 – Selects and uses a broad range of contemporary materials, equipment and techniques in different aquaculture and marine settings.

DESCRIPTION OF ACTIVITIES

Throughout this topic students will discover and practise maintaining a healthy artificial marine environment in a fish tank.

Students will then be assessed on their ability to recall and perform steps that need to be taken for weekly maintenance cycles as well as the ability to identify solutions to problems that may arise in a marine fish tank ecosystem.

You will be assessed on your ability to:

Part A
- Safely perform water quality testing and record accurate data, including the correct units of measurement.

Part B
- Identify and describe the function of each filtration device in the fish tank.
- Safely perform a water change for the fish tank.
- Safely perform general cleaning procedures.

Part C
- Take appropriate action in a variety of scenarios resulting from a change in water quality.
- Explain the reasoning for a quarantine tank and why it is a vital step in maintaining a healthy marine fish tank.
## Marking guide

<table>
<thead>
<tr>
<th>Description</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students demonstrate a comprehensive understanding of fish tank maintenance procedures, including an in-depth explanation of filtration equipment, water quality maintenance tests and cleaning procedures.</td>
<td>A</td>
</tr>
<tr>
<td>Students demonstrate an in-depth understanding of fish tank maintenance procedures, including an explanation of filtration equipment, water quality maintenance tests and cleaning procedures.</td>
<td>B</td>
</tr>
<tr>
<td>Students demonstrate a sound understanding of fish tank maintenance procedures, including a description of filtration equipment, water quality maintenance tests and cleaning procedures.</td>
<td>C</td>
</tr>
<tr>
<td>Students demonstrate a basic understanding of fish tank maintenance procedures, including an outline of filtration equipment, water quality maintenance tests and cleaning procedures.</td>
<td>D</td>
</tr>
<tr>
<td>Students demonstrate an elementary understanding of fish tank maintenance procedures, identifying some filtration equipment, water quality maintenance tests and cleaning procedures.</td>
<td>E</td>
</tr>
</tbody>
</table>