

# MANILLA CENTRAL SCHOOL - ASSESSMENT TASK NOTIFICATION

Year 11 - 2024

Biology Lawrence



Task Number: 1 Notification Date: Monday 05/02/2024

Weight: 30% Due Date: By 3.20pm to Mrs Lawrence, Friday 22/03/2024 Week 8 Term 1

## Field Study

### OUTCOMES ASSESSED

**BIO11-3** conducts investigations to collect valid and reliable primary and secondary data and information

**BIO11-4** selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media

**BIO11-6** solves scientific problems using primary and secondary data, critical thinking skills and scientific processes

**BIO11-7** communicates scientific understanding using suitable language and terminology for a specific audience or purpose

**BIO11-10** describes biological diversity by explaining the relationships between a range of organisms in terms of specialisation for selected habitats and evolution of species

### TASK DESCRIPTION

Students will:

- Study survey techniques within the classroom setting in preparation for the Field Survey.
- Attend a Field Survey excursion, in compliance with WHS practices
- Perform several survey methods onsite to collect first-hand data about a local environment.
- Field Study Excursion to Warrabah National Park will run on Tuesday 05/03/2023
- Record their data measurements in the provided work booklet
- Collate their findings in a Field Survey report
- Submit both their raw workbook and the final Field Survey report in hardcopy for marking.

### TASK INSTRUCTIONS

You will be supplied with:

- Work booklet
- Equipment required to perform survey techniques

You are also permitted to use:

- Ruler
- Calculator (memory cleared)
- Black or blue pen

NOTE: These items must be self-supplied.

Teacher's signature: \_\_\_\_\_ Mrs A Lawrence

HT Admin signature: \_\_\_\_\_ Miss M Eagles

Deputy Principal's signature: \_\_\_\_\_ Mrs R Ferguson

Marking Criteria	Possible Marks	Your Mark
<b>Conducting Fieldwork Investigations</b>		
Collection of readings across Site A	10	
Collection of readings across Site B	10	
Collection of readings across Site C	10	
Ability to work collaboratively	5	
Active participation in activities	5	
<b>Fieldwork Report</b>		
<b>Site Profile Information</b>		
Site Profile complete for Site A <ul style="list-style-type: none"> <li>• Tabulated data set of Abiotic factors (3)</li> <li>• Completion of Biotic Data Set – Transect (10)</li> <li>• GPS annotations (2)</li> <li>• Pressed and labelled sample of vegetation (2)</li> <li>• Identification of any management issues arising (3)</li> <li>• Judgement of site health (3)</li> <li>• Relevant photographs of site (2)</li> </ul>	25	
Site Profile complete for Site B <ul style="list-style-type: none"> <li>• Tabulated data set of Abiotic factors (3)</li> <li>• Completion of Biotic Data Set – Quadrats and Percent Cover (10)</li> <li>• GPS annotations (2)</li> <li>• Pressed and labelled sample of vegetation (2)</li> <li>• Identification of any management issues arising (3)</li> <li>• Judgement of site health (3)</li> <li>• Relevant photographs of site (2)</li> </ul>	25	
Site Profile complete for Site C <ul style="list-style-type: none"> <li>• Tabulated data set of Abiotic factors (3)</li> <li>• Completion of Biotic Data Set – Indicator Organisms (10)</li> <li>• GPS annotations (2)</li> <li>• Pressed and labelled sample of vegetation (2)</li> <li>• Identification of any management issues arising (3)</li> <li>• Judgement of site health (3)</li> <li>• Relevant photographs of site (2)</li> </ul>	25	
<b>Site Comparison</b>		
Annotated map of the National Park, featuring landmarks and site locations, as well as any points of interest (GPS coordinates would add to the validity or your annotations).	5	
Summary of the National Parks management discussion.	10	
Provide a summary table of data that allows for the comparison of your sites.	10	
Analyse trends within the data, drawing conclusions about similarities and differences.	10	
<b>Discussion of Methodology</b>		
Outlining any sources of error or problems that have occurred.	5	
Evaluate the ecological 'health' of each site, including photos.	9	
Outline a suggested method for surveying the population of a named native mammal, marsupial or reptile.	5	

**Additional Feedback**

**Teacher Signature & Date**

**Task Mark**

**Task Rank**

**Cumulative Rank**