

Year 11 - 2022
Biology
Lawrence



Task Number: 1

Notification Date: 21/02/2022

Weight: 35%

Due Date: By 3.20pm 25/03/2022 to Mrs Lawrence

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 01/03/2022
- 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: _____

HT Admin signature: _____

Deputy Principal's signature: _____

| Marking Criteria | | Possible Marks | Your Mark |
|--|-----------|-------------------|-----------|
| Conducting Fieldwork Investigations | | | |
| 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 | |
| Fieldwork Report | | | |
| 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 | |
| Outlining any sources of error or problems that have occurred. | | 5 | |
| Evaluate the ecological 'health' of each site, including photos. | | 9 | |
| Summary of the National Parks Officer's discussion. | | 10 | |
| A pressed sample of native vegetation from each site. | | 6 | |
| 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 of your annotations). | | 5 | |
| 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 | Accumulative Rank | |
| | | | |