Faculty: Science    Course: Investigating Science    Year: 12

Assessment Task: Practical Task

Assessment Weighting: 20%    Due: Term 1    Week 10    Date: 2/04/2019

Task Type: Hand in Task    In Class Task    Practical Task

Outcomes assessed (NESA)

› Develops and evaluates questions and hypotheses for scientific investigation INS11/12-1
› Designs and evaluates investigations in order to obtain primary and secondary data and information INS11/12-2
› Conducts investigations to collect valid and reliable primary and secondary data and information INS11/12-3
› Selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media INS11/12-4
› Analyses and evaluates primary and secondary data and information INS11/12-5
› Describes and explains how science drives the development of technologies INS12-13

Task Description/Overview

This practical task consists of TWO components:

- Part A: Practical Task - In groups you will conduct a practical task.
- Part B: Practical Analysis - Individually you will analyse the practical completed in Part A by answering relevant questions.

Detailed Assessment Task Description

Your task involves:

- Part A: Practical Task - In groups of 3 you will conduct a practical task to demonstrate your skills in forming a hypothesis, conducting investigations and recording data.

- Part B: Practical Analysis - Individually you will analyse the practical completed in Part A by graphing the data collected, answering discussion questions and writing a conclusion. This component will assess you ability to process and analyse data as well as form conclusions.

Topics assessed: Module 6.

General information: This task will take place during period 1 and 2 on Thursday the 2nd of April. You will be required to bring a pen, pencil, eraser, ruler and calculator.
<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Mark Range</th>
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<tbody>
<tr>
<td>Outstanding (O)</td>
<td>The student has an extensive knowledge and understanding of the content and can readily apply this knowledge. In addition, the student has achieved a very high level of competence in the processes and skills and can apply these skills to new situations.</td>
<td>79.5-100</td>
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<tr>
<td>High (H)</td>
<td>The student has a thorough knowledge and understanding of the content and a high level of competence in the processes and skills. In addition, the student is able to apply this knowledge and these skills to most situations.</td>
<td>69.5-79</td>
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<td>Sound (S)</td>
<td>The student has a sound knowledge and understanding of the content and has achieved a good level of competence in the processes and skills.</td>
<td>49.5-69</td>
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<td>Basic (B)</td>
<td>The student has a basic knowledge and understanding of the content and has achieved a basic level of competence in the processes and skills.</td>
<td>19.5-49</td>
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<tr>
<td>Limited (L)</td>
<td>The student has an elementary knowledge and understanding in a few areas of the content and still requires further work to achieve competence in the processes and skills.</td>
<td>0-19</td>
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**Satisfactory completion of courses**
A course has been satisfactorily completed, when the student has:
- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESA)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course.
- Achieved some or all of the course outcomes