



# JOHN EDMONDSON HIGH SCHOOL

## Assessment Notification

Faculty: Science Course: Investigating Science Year: 11

Assessment Task: Task 2: Processing Skills and Written Task

Assessment Weighting: 40% Due: Term 2 Week 10 Date: 4/07/2024

Task Type: Hand in Task  In Class Task  Practical Task

### Outcomes assessed (NESA)

INS11/12-4 selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media  
INS11/12-5 analyses and evaluates primary and secondary data and information  
INS11/12-6 solves scientific problems using primary and secondary data, critical thinking skills and scientific processes  
INS11/12-7 communicates scientific understanding using suitable language and terminology for a specific audience or purpose  
INS11-8 identifies that the collection of primary and secondary data initiates scientific investigations  
INS11-9 examines the use of inferences and generalisations in scientific investigations  
INS11-10 develops, and engages with, modelling as an aid in predicting and simplifying scientific objects and processes

### Task Description/Overview

This task assesses your ability to:

- (i) Process information and explain scientific investigations.
- (ii) Analyse data and problem solve using scientific understanding.
- (iii) Graph data and analyse graphs.

### Detailed Assessment Task Description

This task will be completed during your Investigating Science lesson in P Lab 1 (Period 3 & 4).

Length of Assessment: 70 minutes plus 5 minutes reading time

Structure of Task: Total of 40 Marks

Multiple Choice questions: 10 marks

Short Answer Questions & Extended Response Questions: 30 marks

Topics to be assessed: Module 1: Cause and Effect - Observing, Module 2: Cause and Effect - Inferences and Generalisations, Module 3: Scientific Models

Materials required: Scientific calculator, pens, pencil, ruler & eraser.

<b>Assessment Criteria</b>		
<b>Grade</b>	<b>Description</b>	<b>Mark Range</b>
<b>Outstanding (O)</b>	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.	<b>84.5-100 %</b>
<b>High (H)</b>	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.	<b>69.5-84</b>
<b>Sound (S)</b>	The student has a sound knowledge and understanding of the content and has achieved a good level of competence in the processes and skills.	<b>49.5-69</b>
<b>Basic (B)</b>	The student has a basic knowledge and understanding of the content and has achieved a basic level of competence in the processes and skills.	<b>27.5-49</b>
<b>Limited (L)</b>	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.	<b>0-27</b>

### **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