

**Year 11 – 2024**  
**INVESTIGATING SCIENCE**  
**M EAGLES**



**Task Number: 3**

**Notification Date: 4/9/24**

**Weight: 30%**

**Due Date: Term 3 Week 9/10 as per examination timetable**

**OUTCOMES ASSESSED**

- INS11/12-1 develops and evaluates questions and hypotheses for scientific investigation
- INS11/12-2 designs and evaluates investigations in order to obtain primary and secondary data and information
- INS11/12-3 conducts investigations to collect valid and reliable primary and secondary data and information
- 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
- INS11-11 describes and assesses how scientific explanations, laws and theories have developed

**TASK DESCRIPTION**

This task is a formal examination and will involve students answering questions based around the course outcomes and topics involving scientific method, observing the world, models, theories and laws. Students may need to problem solving, graph/tabulate, undertake calculations as well as using the NESA verbs to answer questions.

**TASK INSTRUCTIONS**

The length of the examination is **2 hours plus 5 minutes reading time**. Students will not be able to borrow any equipment during the examination. They will need to bring a pen, pencil, ruler, NESA approved calculator and an eraser.

The examination will consist of Section I multiple choice and Section II written response. Refer to your Year 11 Assessment Schedule 2024 booklet for examination terms and conditions.

**MARKING GUIDELINES**

Marks allocated will be next to each question.

Task Mark	Task Rank	Cumulative Rank

Teacher's signature: \_\_\_\_\_ Head Teacher's signature \_\_\_\_\_ DP's signature \_\_\_\_\_