

Year 12 – 2023/2024
INVESTIGATING SCIENCE
M EAGLES



Task Number: 4
Weight: 20%

Notification Date: 4/12/23
Due Date: Term 3 Week 3-4 2024
as per examination timetable

OUTCOMES ASSESSED

- INS12-1** develops and evaluates questions and hypotheses for scientific investigation
- INS12-2** designs and evaluates investigations in order to obtain primary and secondary data and information
- INS12-3** conducts investigations to collect valid and reliable primary and secondary data and information
- INS12-4** selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media
- INS12-5** analyses and evaluates primary and secondary data and information
- INS12-6** solves scientific problems using primary and secondary data, critical thinking skills and scientific processes
- INS12-7** communicates scientific understanding using suitable language and terminology for a specific audience or purpose
- INS12-12** develops and evaluates the process of undertaking scientific investigations
- INS12-13** describes and explains how science drives the development of technologies
- INS12-14** uses evidence-based analysis in a scientific investigation to support or refute a hypothesis
- INS12-15** evaluates the implications of ethical, social, economic and political influences on science

TASK DESCRIPTION

This task is a formal examination and will involve students answering questions based around the course outcomes and topics involving scientific investigations, technologies, facts or fallacy and societal views of science. Students may need to problem solving, design and/or evaluate scientific methodology, analyse, interpret, and present scientific data as well as using the NESA verbs to answer questions.

TASK INSTRUCTION

This task is a formal examination with length of **2.5 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.
 Refer to your Year 12 Assessment Schedule 2023/2024 booklet for examination terms and conditions.

MARKING GUIDELINES

The examination will consist of Section I multiple choice and Section II written response. Marks allocated will be next to each question.

Task Mark	Task Rank	Cumulative Rank

Teacher's signature: _____ Head Teacher's signature _____ DP's signature _____