

Year 12, HSC Investigating Science

Task 4: TRIAL HSC EXAMINATION

Date: Wednesday 20th August 2025

Task Distributed: July 24th 2025

Units: Modules 5, 6, 7, 8 (IQ1 and IQ2)

Task Type: Examination

Task Weighting: 30%

Outcomes: INS11/12-1, INS11/12-2, INS11/12-3, INS11/12-4, INS11/12-5, INS11/12-6, INS11/12-7, INS12-12, INS12-13, INS12-14, INS12-15

Task Description

You will have 3 hours with 5 minutes additional reading time to complete this exam.

The examination consists of the following two compulsory sections:

- **Part A:** Multiple choice (20 Marks). This section contains questions worth 1 mark each covering a range of the concepts listed in the Units of learning above
 - o Students should allow 35 minutes to complete this section.
- **Part B:** Written Responses (80 Marks). This section will be a mixture of short and long responses worth 1 mark or more covering a range of concepts listed in the Units of learning above.
 - o Students should allow 2 hour 25 minutes to complete this section.

All working out must be shown to be awarded full marks.

As this is an examination, you will need to prepare for this task by:

- Make summary notes of each topic listed below
 - o Module 5 – Scientific Investigations
 - o Module 6 – Technology
 - o Module 7 – Fact or Fallacy
 - o Module 8 – Science and Society (Inquiry questions 1 and 2)
- Regularly complete practice examination questions.
- Seek teacher assistance on unclear work.
- Ensure all set work is up to date.

NESA Glossary of Key Words

Understand the verb associated with the task. The verb will provide an understanding of the detail needed to successfully answer the question.

- **EXPLAIN:** Relate cause and effect; make the relationships between things evident; provide why and/or how.
- **DISCUSS:** Identify issues and provide points for and/or against
- **IDENTIFY:** Recognise and name.
- **OUTLINE:** Sketch in general terms; indicate the main features of.
- Check the NESA glossary of key words for further guidance:

<https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/hsc/hsc-student-guide/glossary-keywords>

Details of Submission

For successful completion of this examination, you must bring the following equipment.

- NESA approved calculator
- Black pen
- A ruler

Please bring your own equipment as you will not be able to borrow equipment on your examination day.

Students will need to bring pens, pencils, a ruler and a board approved calculator to this task. All answers are to be completed on the paper.

Any student who is absent on the day must follow the illness/misadventure procedures in the school's assessment policy. Non-completion of the task without successful illness/misadventure appeal will receive a zero-mark and an N-Warning notification, as outlined in the Year 12 Assessment Booklet.

Students are to complete the task on the first day they return to school.

Teacher Feedback and Student Self-Reflection

- The task will typically be returned to students within 14 days of the due date.
- At this time feedback including information on how to improve will be provided through mechanisms such as marking criteria, and/or written comments.
- Students can clarify or seek further feedback by the speaker with their teacher or the assessment marker.
- Upon return of the task, students will also be expected to complete a self-reflection.

How does this link to my learning?

This task will draw together the above outcomes, by providing students with the opportunity to demonstrate their knowledge, understanding and skills in Year 12 Investigating Science. This will allow them to gain feedback on areas of strength, as well as areas in which to improve. Students will utilise their problem-solving skills to solve real-world, science-based problems.

Assessment Procedures

All students should be fully aware of the School Assessment Procedures for their year group. These were provided at the beginning of the school year and are available off the school website under the Learning Tab for each year group.