

Task 4: Preliminary HSC Examination

Due Date: Wednesday 18th September, Week 9A

Task Distributed: 5th September 2024 **Unit:** Probability, Money, Algebra, Measurement, Data, Interest & Depreciation, Perimeter, Area & Volume, Working with Time

Task Type: Formal Examination **Task Weighting:** 40%

Outcomes: MS11-1, MS11-2, MS11-3, MS11-4, MS11-5, MS11-6, MS11-8, MS11-7, MS11-9, MS11-10

Task Description

This is a **2 hour exam**. This task will be completed in exam conditions in the school hall. A HSC Reference Sheet will be provided.

The task will be separated into the following two sections:

Section 1: Multiple Choice

- This section will consist of 10 multiple choice questions that will be worth 1 mark each covering a range of concepts listed in the Areas of Learning above.
- The questions increase in difficulty throughout this section.
- You should allow approximately 15 minutes to complete this section.

Section 2: Free Response

- This section will consist of free response questions worth 70 marks.
- Parts of each question will be worth 1 mark or more covering a range of concepts listed in the Areas of Learning above.
- The questions increase in difficulty throughout this section.
- You should allow approximately 105 minutes to complete this section.
- All necessary working must be shown in the space provided on the examination paper.

Key Areas of Learning:

- Probability and Relative Frequency
- Earning and Managing Money
- Formulae and Equation
- Practicalities of Measurement
- Classifying and Representing Data
- Exploring and Describing Data
- Interest and Depreciation
- Perimeter Area and Volume
- Working with Time

Preparing for this Task:

- Make summary notes for each topic listed above (mind map, dot points, flow chart).
- Regularly complete practice examination questions and access past exams on Moodle.
- Complete and revise weekly Formative Tasks
- Access the Preliminary Year 11 Standard Textbook Cambridge Maths on Moodle to complete chapter review questions on individual topics or the practice papers.
- Seek teacher assistance on any unclear work.
- Ensure all class 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.

- IDENTIFY: Recognise and name properties and features using correct mathematical terminology / notation
- CALCULATE/FIND: Provide a numerical value with appropriate units if required
- JUSTIFY: Use mathematical reasoning to link a solution to a problem
- CLASSIFY: Arrange into a category
- SKETCH: Draw a diagram or graph using a ruler and labelling all critical information
- SOLVE: Find the answer or expression showing clear working out

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 have the following equipment:

- Board approved calculator
- Pencil, eraser and ruler for graphs and diagrams
- Blue or black pen

Students are NOT permitted to bring notes or any electronic device into the exam.

If you are absent from the examination you must contact the school on the day and follow school assessment and illness/misadventure policies and procedures. A valid attempt at all questions is required

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 analysis of the examination questions as a class discussion. Explanation will be provided as requested.
- Students can clarify or seek further feedback by speaking with their teacher or the assessment marker.

Upon return of the task, students will also be expected to complete a self-reflection. This will require students to review incorrect responses by seeking clarification from the teacher. Additionally, students will be required to complete a survey in reflection of the examination.

How does this link to my learning?

- The structure of the questioning style in this task will mirror that of the HSC examination.
- This task will be used by you and your teachers to assess your knowledge and understanding of course outcomes and allow you to refine your skills as you prepare for the HSC examination.
- This task will draw together the above outcomes and assess your ability to apply a range of mathematical skills and techniques that you have covered in class.

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.