

## Task 2: Half Yearly Examination

**Due Date:** Week 1A or 2B, Term 2 2025

**Task Distributed:** Thursday 04<sup>th</sup> April

**Unit:** Module 1: Kinematics, Module 2: Dynamics

**Task Type:** Examination

**Task Weighting:** 100% towards school report

**Outcomes:** PHY11/12-1, PHY11/12-4, PHY11/12-5, PHY11/12-6, PH11-8

### Task Description

In this task you will be assessed on how well you demonstrate your knowledge and understanding and Working Scientifically skills from the following topics: Module 1: Kinematics and Module 2: Dynamics. The examination is 1 and half hours in duration with 5 minutes reading time. It will consist of:

- Section 1: 15 multiple choice  
Students should allow 30 minutes to complete this section.
- Sections 2: 45 marks of short responses (marks indicated per question).  
Students should allow 1 hour to complete this section.

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

What you need to prepare for the exam:

- Make summary notes of each area listed below;
  - Vectors
  - Newton's Laws of Motion
  - Friction
  - Energy, Work, Power
- 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.

- **Calculate:** Ascertain/determine from given facts, figures or information
- **Explain:** Relate cause and effect; make the relationships between things evident; provide why and/or how

- **Analyse:** Identify components and the relationship between them; draw out and relate implications

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

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

Student name needs to be written on the front of the examination paper.

The examination paper and answer sheet will be provided. Students are NOT permitted to bring notes into the exam.

Any student who is absent on the day of the examination 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 11 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 speaking with their teacher or the assessment marker.
- You will also receive feedback on your literacy performance based on the criteria in the school's literacy marking rubric. The marks achieved for literacy will account for between 10% – 20% of the maximum task value.

Upon return of the task, students will also be expected to complete a self-reflection.

At the time students receive their assessment mark and teacher feedback, students will be required to complete a self-reflection worksheet. Self-reflection is an important part of the learning process as it provides an opportunity to reflect on the strength of our performance, as well as areas that have been identified to strengthen in future tasks.

## How does this link to my learning?

Student's knowledge, skills and understanding in the following modules will be assessed within this skills assessment task:

- Module 1: Kinematics
- Module 2: Dynamics

## 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.