# Glen Innes High School Assessment Schedule

# Physics – Year 12

# 2023-2024

| **Component** | **Task 1** | **Task 2** | **Task 3** | **Task 4** | **Weighting**  **%** |
| --- | --- | --- | --- | --- | --- |
| **Data Analysis**  Module 5  Advance  Mechanics | **Research**  Module 6/7  Electromagnetism  The Nature of Light | **Depth Study**  Modules 8  From the Universe to the Atom | **Trial HSC Examination**  Module 5, 6, 7 and 8 |
| Term 4, Week 10 | Term 1, Week 10 | Term 3, Week 2 | Term 3, Week 4/5 |
| **Outcomes assessed**  PH11/12-1 PH11/12-4 PH11/12-5  PH11/12-6  PH11/12-7  PH12-15 | **Outcomes assessed**  PH11/12-2 PH11/12-3  PH11/12-5 PH12-13 | **Outcomes assessed**  PH11/12-1 PH11/12-2 PH11/12-3  PH11/12-4  PH11/12-7  PH12-15 | **Outcomes assessed**  PH11/12-1  PH11/12-2  PH11/12-3  PH11/12-4  PH11/12-5  PH11/12-6  PH11/12-7  PH12-12  PH12-13  PH12-14 |
| Skills in Working Scientifically | 15 | 10 | 15 | 10 | **60** |
| Knowledge and Understanding | 5 | 10 | 15 | 20 | **40** |
| **Total %** | **20** | **20** | **30** | **30** | **100** |

**HSC Physics Course Outcomes:**

PH11/12-1 develops and evaluates questions and hypotheses for scientific investigation

PH11/12-2 designs and evaluates investigations in order to obtain primary and secondary data and information

PH11/12-3 conducts investigations to collect valid and reliable primary and secondary data and information

PH11/12-4 selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media

PH11/12-5 analyses and evaluates primary and secondary data and information

PH11/12-6 solves scientific problems using primary and secondary data, critical thinking skills and scientific processes

PH11/12-7 communicates scientific understanding using suitable language and terminology for a specific audience or purpose.

A student:

PH12-12 describes and analyses qualitatively and quantitatively circular motion and motion in a gravitational field, in particular, the projectile motion of particles

PH12-13 explains and analyses the electric and magnetic interactions due to charged particles and currents and evaluates their effect both qualitatively and quantitatively

PH12-14 describes and analyses evidence for the properties of light and evaluates the implications of this evidence for modern theories of physics in the contemporary world

PH12-15 explains and analyses the evidence supporting the relationship between astronomical events and the nucleosynthesis of atoms and relates these to the development of the current model of the atom