

**Physics
Assessment Schedule 2019**

Task Number	Task 1 Research	Task 2 AP3	Task 3 Depth Study	Task 4 AP4	Weighting %
Date	Term 4 Week 6	Term 1 Weeks 9-11	Term 2 Week 8	Term 3 Weeks 3-5	
Outcomes Assessed in Skills in Working Scientifically	PH11/12 1,2,4,5,6,7	PH11/12 1,2,4,5,6,7	PH11/12 1,2,3,4,5,7	PH11/12 1,2,4,5,6,7	
Outcomes Assessed in Knowledge & Understanding	PH12 12	PH12 12,13	PH12 14	PH12 12,13,14,15	
Skills in Working Scientifically	5	15	30	10	60
Knowledge & Understanding	5	5	10	20	40
Total	10	20	40	30	100

Objectives and Outcomes - Students develop skills in the process of Working Scientifically

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

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

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

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

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

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

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

Students develop knowledge and understanding of advanced mechanics and electromagnetism

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.

Students develop knowledge and understanding of the role of evidence and prediction in the development of theories in physics

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