

**Physics 2 Unit
Preliminary Assessment Schedule 2019**

Task Number	Task 1 AP1	Task 2 Depth Study	Task 3 AP2	Weighting %
Date	Term 2 Weeks 1-2	Term 2 Week 9	Term 3 Weeks 8-9	
Outcomes Assessed in Skills in Working Scientifically	PH11/12 1,2,4,5,6	PH11/12 1,2,3,4,5,7	PH11/12 1,2,4,5,6,7	
Outcomes Assessed in Knowledge and Understanding	PH11 8,9	PH11 10	PH11 8,9,10,11	
Skills in Working Scientifically	20	30	10	60
Knowledge and Understanding	10	10	20	40
Total	30	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 fundamental mechanics

PH11-8 describes and analyses motion in terms of scalar and vector quantities in two dimensions and makes quantitative measurements and calculations for distance, speed, displacement, velocity and acceleration

PH11-9 describes and explains events in terms of Newton's Laws of Motion, the law of conservation of momentum and the law of conservation of energy

Students develop knowledge and understanding of fundamental energy

PH11-10 explains and analyses waves and the transfer of energy by sound, light and thermodynamic principles

PH11-11 explains and quantitatively analyses electric fields, circuitry and magnetism