Hills Grammar

ASSESSMENT GRID: YEAR 12 PHYSICS 2025

Assessment Task	AT 1	AT 2	AT 3	AT 4	
	Term 1 Week 3A Monday, 10 February 2025 In Class	Term 1 Week 9A Tuesday, 25 March 2025 In Class	Term 2 Week 9A Tuesday, 24 June 2025 In Class	Term 3 Year 12 Examination – Week 3/4 Examination	
Outline / Description	**PRACTICAL/DEPTH STUDY: Module 5** In class practical task- students will complete a depth study. The assessment will involve students carrying out an investigation, collect and analyse data in relation to the concepts studied in Module 5	**DATA ANALYSIS: Module 6** Students will analyse data and information provided, to answer questions relating to the concepts studied in Module 6	**RESEARCH AND INFORMATION PROCESSING/Module 7 and 8** Students develop an appreciation of how scientists realise that our understanding of the universe has continued to develop and the role that technology plays. They will also examine how the behaviour of light affects the concepts of time, space and matter?	**TRIAL EXAMINATION** Trial examination will be on Modules 5 - 8	
Outcomes	PH11/12.1, PH11/12.3, PH11/12.4, PH11/12.5, PH11/12.6, PH11/12.7, PH12.12	PH11/12.4, PH11/12.5, PH11/12.6, PH12.13	PH11/12.4, PH11/12.5 PH12.14, PH12-15	PH11/12.2, PH11/12.4, PH11/12.5, PH11/12.6, PH11/12.7, 12.12, 12.13, 12.14, 12.15	
Component					**Weightings**
	20%	15%	15%	10%	60%
	5%	10%	5%	20%	40%
Marks	**25%**	**25%**	**20%**	**30%**	**100%**

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Course Outcomes	
Skills	
Questioning and predicting **PH 11/12-1**	Develops and evaluates questions and hypotheses for scientific investigation
Planning investigations **PH11/12-2**	Designs and evaluates investigations in order to obtain primary and secondary data and information
Conducting investigations **PH11/12-3**	Conducts investigations to collect valid and reliable primary and secondary data and information
Processing data and information **PH11/12-4**	Selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media
Analysing data and information **PH11/12-5**	Analyses and evaluates primary and secondary data and information
Problem solving **PH11/12-6**	Solves scientific problems using primary and secondary data, critical thinking skills and scientific processes
Communicating **PH11/12-7**	Communicates scientific understanding using suitable language and terminology for a specific audience or purpose
Knowledge and Understanding	
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