



ASSESSMENT OUTLINE
PHYSICS 12 – ATAR YEAR 12: 2021
UNIT 3 AND UNIT 4



Assessment type	Assessment type weighting	Assessment task weighting	When/due date/ start and submission date	Assessment task	Syllabus content
Science Enquiry	20%	5	Semester 1 Week 2	Experiment – Centripetal Motion	Centripetal motion and Orbits
		2.5	Semester 2 Week 1	Experiment – Mass of an electron	Electron fields
		5	Semester 2 Week 13	Evaluation & Analysis – Experimental Error	Data analysis and experimental error
		7.5	Semester 2 Week 5	Investigation – Open Investigation on Light	Light properties and data analysis
Tests	30%	2.5	Semester 1 Week 6	Motion Test	Projectiles, circular motion and equilibrium
		2.5	Semester 1 Week 8	Gravity & Orbits Test	Motion in gravity and orbital motion
		5	Semester 1 Week 10	Electro fields Test	Electric fields, electrostatics & electric force
		5	Semester 1 Week 13	Motors & Induction Test	Magnetic fields, motors induction and generators
		5	Semester 2 Week 6	Particles, Waves & Quantum Theory Test	Duality of Light and Quantum theory
		5	Semester 2 Week 10	Standard Model & Special Relativity Test	Big Bang, cosmology and Unified Theory
		5	Throughout year	Validation Tests at the end of each topic	Both Unit 3 & 4 content
Exams	50%	15	Semester 1 Week 15	Semester 1 Exam – Unit 3 Content	Unit 3 content
		35	Semester 2 Week 15	Semester 2 Exam – Unit 3 & 4 Content	Unit 3 & 4 content
Total	100%	100%			

PLEASE NOTE: Dates of this outline are estimates only and may vary. Students will be given at least one weeks' notice of any major changes