



Term	Week	YEAR 12 HSC PHYSICS – 2025 SCOPE & SEQUENCE	
4	1	Module 5 Advanced mechanics (25 hours)	
	2	Outcomes PH11/12-4, PH11/12-5, PH11/12-6, PH11/12-7, PH12-12	
	3	Projectile motion	
	4	Circular motion	
	5	Motion in gravitational fields	
	6	Major Assessment: Processing/modelling Task	
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1	1	Module 6 Electromagnetism (30 hours)	
	2	Outcomes PH11/12-1, PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-5, PH12-13	
	3	Charged Particles, Conductors and Electric and Magnetic Fields	
	4		The Motor Effect
	5		Electromagnetic Induction
	6	Applications of the Motor Effect	
	7	Major Assessment: Electromagnetism Depth study	
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2	1	Module 7 The Nature of Light (25 hours)	
	2	Outcomes PH11/12-1, PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-7, PH12-14	
	3	Electromagnetic spectrum	
	4		Light: Wave model
	5		Light: Quantum model
	6	Light and special relativity	
	7	Major Assessment: In-class Data analysis – The nature of light	
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3	1	Module 8 From the Universe to the atom (25 hours)	
	2	Outcomes PH11/12-1, PH11/12-2, PH11/12-3, PH11/12-4, PH11/12-7, PH12-14	
	3	Origins of the elements	
	4		Structure of the atom
	5		Quantum mechanical nature of the atom
	6	Properties of the nucleus	
	7	Deep inside the atom	
	8	Major Assessment: Trial examination	
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