

ANNUAL LESSON PLAN FOR PHYSICS, KEY STAGE 5, YEAR 12 (2021-22)

	 Topics	Key Concepts 	
Term 1, September – December	Matter and Materials	<ul style="list-style-type: none"> • Stress • Strain • Young Modulus • Material Types 	20
	Newtonian Mechanics	<ul style="list-style-type: none"> • Kinematics • Accelerated Motion • Dynamics • Moment of a force • Work-Energy • Momentum 	50
	Electricity	<ul style="list-style-type: none"> • Current, Potential Difference, Resistance • Kirchoff's Laws • Resistivity • Practical Circuits • Circuits and circuit elements 	50
Term 2, January – March	Waves	<ul style="list-style-type: none"> • Describing Waves • Superposition, Diffraction, Interference • Stationary Waves • Key points for lab work related to key concepts 	40
	Radioactivity	<ul style="list-style-type: none"> • Diagnostic test/review of previous knowledge • Simple Atom Model • Radiation • Alpha, Beta, Gamma Decays • Fundamental particles • Standard Model 	44
Term 3, April – June	Review and revision	Past Papers Practicing time management for the exam Key points for Paper 3 Key points for Paper 1 Key points for Paper 2	104
312			