

Year 12 Physics

Year Calendar Plan		
Dates	Lesson Focus	Assessment/Revision
Term 1	Module 2 – Fundamentals of Physics 3.1.1 Kinematics and motion graphs, stopping 3.1.2 Linear motion and projectile motion 3.2 Weight, drag, centre of mass 3.2 Moments and equilibrium 3.2 Density and Pressure	PAG 1 - Determining g PC1 & revision
Term 2	3.3 Work, energy and power 3.4 Materials: springs and Hooke's law 3.5 Newton's laws, momentum and collisions Module 3 Revision and Consolidation	PAG 2 – Hooke's Law PC2 & revision
Term 3	4.1 Charge, Current, Kirchhoff 1, drift velocity 4.2 Potential difference, resistance and temperature, IV characteristics 4.2 Resistance, resistivity, power and cost 4.3 Kirchhoff 2 and circuits calculations	PAG 3 – Resistivity PC3 & revision
Term 4	4.3 Resistors in series and parallel, internal resistance and terminal p.d. 4.3 Potential divider circuits and electricity consolidation 4.4 Waves: reflection, refraction, dispersion and EM spectrum 4.4 Waves and polarisation and superposition/interference	PC4 & revision PAG 4 – Potential dividers
Term 5	Waves recap 4.4 Stationary waves & harmonics 4.5 Photons, photoelectric effect and wave-particle duality Module 4 revision & consolidation	PAG 5 - Diffraction PAG 6 – Finding Planck's constant
Term 6	Revision of all content to date 5.1 Thermal physics 5.2 Circular motion 5.3 Simple harmonic motion	PAG 12 – Research project PAG 8 – Ideal gasses PC 5 & revision

