

Autumn I Foundations of	Autumn 2	Spring I			
Foundations of		opring	Spring 2	Summer I	Summer 2
Physics Forces and Motion	Forces and Motion Forces in Action	Forces and Motion Work, Energy and Power	Forces and Motion Laws of Motion and Momentum	Forces and Motion Materials	Revision Astrophysics
Forces in Action Electrons, Waves and Photons Charge and Current Energy, Power and Resistance	Electrons, Waves and Photons Energy, Power and Resistance ctd Electrical Circuits	Electrons, Waves and Photons Waves Revision	Electrons, Waves and Photons Waves ctd	Electrons, Waves and Photons Quantum Physics	
Electrons, Waves and Photons Current and charge Kirchoff's first law Mean drift velocity Potential difference and EMF Resistance and resistivity Forces and Motion Force, mass, weight Free-body diagrams Measuring 'g'	Electrons, Waves and Photons Electrical energy and power Kirchoff's second law and analysing circuits Combining resistors Potential dividers Sensing circuits Internal resistance Forces and Motion Drag and terminal velocity Moments, couples, torque Triangle of forces Density and pressure	Electrons, Waves and Photons Progressive waves Diffraction Polarisation Forces and Motion Conservation of energy Kinetic and gravitational potential energy Power and efficiency	Electrons, Waves and Photons Reflection Refraction, refractive index and total internal reflection Superposition and interference Young's slits Stationary waves and harmonics Forces and Motion Newton's laws Momentum and impulse Collisions in 2D	Electrons, Waves and Photons The photon model The photoelectric effect Wave-particle duality Forces and Motion Hooke's law Elastic potential energy Deformation, stress and strain	Astrophysics Life cycle of stars Hertzsprung-Russel diagram Spectra Analysing starlight Astronomical distance Doppler effect Hubble's law Big band and evolution of the universe
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