



Physics - Curriculum Overview

Year 11 Separate Physics

Half Term:	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics:	4.5.1.2 Forces Introduction 4.5.1.3 Gravity & Centre of Mass 4.5.2 Work Done 4.5.1.1 Scalars & Vectors 4.5.6.1.1 distance/ displacement 4.5.1.4 Resultant Forces & Free-Body Diagrams 4.5.6.1.2 Speed 4.5.6.1.3 velocity (+ HIGHER ONLY- Circular motion) 4.5.6.1.4 Distance-time graphs 4.5.6.1.5 Acceleration (=v-u/t)	4.5.6.1.5 Velocity-time graphs 4.5.6.1.5 Acceleration (v ² -u ²) 4.5.6.2.1, 4.5.6.2.2 & 4.5.6.2.3 Newton's Laws 8.2.7 Required practical activity 7 4.5.6.3 Forces and braking 4.5.7 HIGHER- Momentum 4.5.7.3 Changes in Momentum 4.5.4 Moments, Levers and Gears	4.6.1.1 Transverse and Longitudinal waves 4.6.1.2 Wave Properties 4.6.2 EM Waves- Types, Uses and dangers 8.2.8 Required practical activity 8 8.2.9 Required practical activity 9 (physics only)	4.6.1.4 PHYSICS ONLY: Sound Waves 4.6.1.5 PHYSICS ONLY: Waves for detection & exploration 4.6.2.5. Lenses 4.6.3.2 Black Body Radiation 4.5.5 Pressure and pressure differences in fluids 8.2.10 Required practical activity 10	4.7.2 The motor effect 4.7.3 Induced potential, transformers and the National Grid	N/A- Exams
Assessment & End Points:	STAR assessed task and end of topic test	Mock exam	Mock exam	STAR assessed task and end of topic test	STAR assessed task and end of topic test	