

Year:11 Subject: Physics

IMPLEMENTATION

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INTENT (including key concepts and skills)	Half Term 1 Context: P5 Waves Key Vocabulary: Radio, microwave, infrared, UV, X-rays, gamma, electromagnetic spectrum, communications, Light, Optics Prior Learning Y7 E2 Energy in circuits Y8 E4 Energy and Waves Y9 E5 Using Energy + P1 Energy (GCSE topic) Cultural Capital: How mobile phones work and the dangers associated. How glasses lenses work.	Half Term 2 Context: P6 Magnetism, Electromagnetism Key Vocabulary: Magnetic fields, motors, electrons, current, alternating current, direct current, transformers Prior Learning Y8 E4 Energy and waves Y9 E5 Using energy + P1 Energy (GCSE topic) Cultural Capital: How motors generate electricity.	Half Term 3 Context: P6 Space Key Vocabulary: Solar system, planets, satellites, orbits, expanding universe, life history of stars. Prior Learning Y7 F2 Forces in Space Cultural Capital: Where the evidence for the expanding universe comes from.	Half Term 4 Context: Revision of key principles from years 9, 10 and 11 Structured lessons will take place revisiting key principles from the GCSE topics P1-P6.	Half Term 5 Context: Revision of all content during all Science lessons until the final Physics exam takes place. This will include lots of exam techniques being taught alongside exam style questions.	Half Term 6 Context: Revision of all content during all Science lessons until the final Physics exam takes place. This will include lots of exam techniques being taught alongside exam style questions.	
	Applying knowledge and understanding to explain observations	X	X	X	X	X	X
	Use different types of scientific enquiry to answer scientific questions	X	X	X	X	X	X
	Use technical terminology with confidence accuracy and precisely	X	X	X	X	X	X
	Apply mathematical knowledge to scientific understanding	X	X	X	X	X	X
	Aware of some of the social and economic implications of science	X	X	X	X	X	X
	IMPACT	Assessment: P5 End of Topic Assessment	Assessment: P6 End of Topic Assessment and December GCSE Pre Public Exam on Paper 1 Content.	Assessment:	Assessment: GCSE Pre Public Exam on Paper 2 content.	Assessment: Live Exams begin.	Assessment: Live exams taking place.

Cultural Capital is the body of knowledge a student needs so that they can flourish in the future and not be left behind.