Curriculum Map: PHYSICS

Nothing Short of Remarkable
We are Ambitious ▪ We are Committed ▪ We are Proud

The 5 Big Ideas Underpinning an Understanding of Physics					
	Energy is Transferred Between Stores	Resultant Forces Cause Changes in Motion	Waves Transfer Energy	Interaction of Electric and Magnetic Fields Results in Electromagnetism	The Behaviour of Particulate Matter Can Be Affected by External Conditions
7	Energy	Forces (change with forces implemented for academic year 2021/2022)		Electricity	Space
				Magnetism	
8	Energy changes and transfers	Motion (change with forces implemented for academic year 2022/2023)	Light		Pressure in fluids
			Sound		Physical changes
9	Energy			Electric circuits	Matter
10	Atomic structure and radioactivity	Forces	Waves		Atomic structure and radioactivity
		Motion			
11	Magnetism	Forces and Pressure*	Space*	Magnetism	Space

All topics are both combined and separate science units*Separate Science units only

	Year 7	Year 8	Year 9	Year 10	Year 11
Term 1	*TOPIC/KNOWLEDGE* 1. Introductory unit 2. Energy	*TOPIC/KNOWLEDGE* 1. Heat Transfers 2. Motion	*TOPIC/KNOWLEDGE* 1. Energy	*TOPIC/KNOWLEDGE* ***Physics*** 1. Waves (Combined and separate science) 2. Forces (separate Science)	*TOPIC/KNOWLEDGE* ***Physics*** 1. Magnetism (combined and separate science) *2.* Space (Separate science only)
Term 2	*TOPIC/KNOWLEDGE* 1. Forces 2. Magnetism	*TOPIC/KNOWLEDGE* 1. Light	*TOPIC/KNOWLEDGE* 1. Electric circuits	*TOPIC/KNOWLEDGE* 1. Atomic structure and radiation (combined only) 2. Forces (combined and separate science) 3. Motion (Combined and separate science)	*TOPIC/KNOWLEDGE* -
Term 3	*TOPIC/KNOWLEDGE* 1. Electricity 2. Space	*TOPIC/KNOWLEDGE* 1. Matter 2. Sound	*TOPIC/KNOWLEDGE* 1. Matter	*TOPIC/KNOWLEDGE* 1. Motion (Combined only) 2. Atomic structure and radioactivity (separate Science only)	*TOPIC/KNOWLEDGE* **Paper 1 Physics** Topics 1-4: Energy; Electricity; Particle model of matter; and atomic structure. **Paper 2 Physics** Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics.
Career Pathways					