



Curriculum Plans – Key Stage 4 Physics

Please find below a detailed outline of the curriculum covered in Physics through Year 11 in Key Stage 4.

Year 11

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
<p>Unit 8 - Electricity</p> <ul style="list-style-type: none"> • Electric charge • Electric fields • Current in a simple circuit • Potential difference • Resistance • Ohm's Law • Series and parallel circuits • Electrical energy and power • Living with electricity 	<p>Unit 9 – Magnets and Currents</p> <ul style="list-style-type: none"> • Magnets • Magnetic fields • Magnetic effect of a current • Electromagnets • Magnetic force on a current • Electric motors • Electro-magnetic induction 	<p>Unit 9 – Magnets and Electricity</p> <ul style="list-style-type: none"> • More about induced currents • Generators • Coils and transformers • Power across the country 	<p>Unit 11- Atoms and Radioactivity</p> <ul style="list-style-type: none"> • Inside atoms • Nuclear radiation • Radioactive decay • Nuclear energy • Fusion • Using radioactivity • Atoms and particles <p>Unit 10 - Electrons and Electronics</p> <ul style="list-style-type: none"> • Electronic essentials • Components • Electronic switching • Logic gates • Electron beams 	<p>Revision</p> <p>Review</p> <p>Past papers</p> <p>Intervention</p>	<p>Revision</p> <p>Review</p> <p>Past papers</p> <p>Intervention</p>	
End of Unit Assessment	End of Unit Assessment	End of Unit Assessment	Internal Mock Cambridge IGCSE Exam	Self-Assessment and Intervention	Self-Assessment and Exam Skills	External Cambridge IGCSE Exam
		Progress Data for Autumn Report		Mock Exam Data for Spring Report		IGCSE Results
Autumn			Spring		Summer	