



Curriculum Plans – Year 11 – Physics

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

BLOCK	1	2	3	4	5	6	7
Dates	August - September (5 weeks)	October (4 weeks)	November - December (6 weeks)	January - February (5 weeks)	February - March (6 weeks)	April (4 weeks)	May - June (7 weeks)
Topics	Electricity (Unit 8) <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 • Practical skills 	Magnets and Currents (Unit 9) <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 • Induced currents • Generators • Coils and transformers • Power across the country • Practical skills 	Atoms and Radioactivity (Unit 10) <ul style="list-style-type: none"> • Inside atoms • Nuclear radiation • Radioactive decay • Nuclear energy • Fusion energy • Using radioactivity • Atoms and particles 	The Earth in space (Unit 11) <ul style="list-style-type: none"> • Sun, Earth and Moon • The Solar system • Sun, stars and galaxies • The expanding universe Past papers and exam technique Mock Exam Intervention	Revision Forces and motion Forces and pressure Thermal effects Sound and waves Past papers and exam technique Intervention	<ul style="list-style-type: none"> • IGCSE External Exams • Revision sessions 	<ul style="list-style-type: none"> • IGCSE External Exams • Revision sessions
Assessments	Unit 1-8 Assessment	Unit 1-9 Assessment	Unit 1-10 Assessment	Unit 1-11 Assessment	Unit 1-11 Assessment	External IGCSE Exams	External IGCSE Exams