



**Curriculum Plans – Year 11 – Physics– Academic Year 2023/24**

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	28th August - 27th September (5 weeks)	2nd October - 27th October (4 weeks)	6th November - 15th December (6 weeks)	3rd January - 2nd February (5 weeks)	12th February - 22nd March (6 weeks)	2nd April - 26th April (4 weeks)	6th May - 21st June (7 weeks)
Topics	<b>Electricity (Unit 8)</b> <ul style="list-style-type: none"> <li>• Electric charge</li> <li>• Electric fields</li> <li>• Current in a simple circuit</li> <li>• Potential difference</li> <li>• Resistance</li> <li>• Ohm's Law</li> <li>• Series and parallel circuits</li> <li>• Electrical energy and power</li> <li>• Living with electricity</li> <li>• Practical skills</li> </ul>	<b>Magnets and Currents (Unit 9)</b> <ul style="list-style-type: none"> <li>• Magnets</li> <li>• Magnetic fields</li> <li>• Magnetic effect of a current</li> <li>• Electromagnets</li> <li>• Magnetic force on a current</li> <li>• Electric motors</li> <li>• Electro-magnetic induction</li> <li>• Induced currents</li> <li>• Generators</li> <li>• Coils and transformers</li> <li>• Power across the country</li> <li>• Practical skills</li> </ul>	<b>Atoms and Radioactivity (Unit 10)</b> <ul style="list-style-type: none"> <li>• Inside atoms</li> <li>• Nuclear radiation</li> <li>• Radioactive decay</li> <li>• Nuclear energy</li> <li>• Fusion energy</li> <li>• Using radioactivity</li> <li>• Atoms and particles</li> </ul>	<b>The Earth in space (Unit 11)</b> <ul style="list-style-type: none"> <li>• Sun, Earth and Moon</li> <li>• The Solar system</li> <li>• Sun, stars and galaxies</li> <li>• The expanding universe</li> </ul> <b>Past papers and exam technique</b>  <b>Mock Exam</b>  <b>Intervention</b>	<b>Revision</b> Forces and motion Forces and pressure Thermal effects Sound and waves  <b>Past papers and exam technique</b>  <b>Intervention</b>	<ul style="list-style-type: none"> <li>• IGCSE External Exams</li> <li>• Revision sessions</li> </ul>	<ul style="list-style-type: none"> <li>• IGCSE External Exams</li> <li>• Revision sessions</li> </ul>
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
Academic Theme	Planning for Tomorrow	The World around us	Better Together	The Working World	Opportunities for Everyone	Keep it Green, Keep it Clean	Healthy Body, Healthy Mind