

Physics Key Stage 3 Curriculum

	Autumn Term	Spring Term	Summer Term
Y7	<p>Measurement</p> <p>Material Properties</p> <p>All Y7 topics are covered in the order laid out here in our bespoke Y7 Electronic Textbook</p>	<p>Forces</p> <p>Solar System</p>	<p>Final Assessment</p> <p>Solar System Project</p>
Y8	<p>Energy</p> <p>Covered in our two bespoke Y8 Electronic e-textbooks, Y8 Waves and Y8 Energy.</p> <p>Order varies between sets</p>	<p>Waves</p>	<p>Final Assessment</p> <p>Nuclear Radiation</p>
Y9	<p>Pendulum Project</p> <p>Astrophysics & Imaging</p> <p>The Pendulum Project is a six week project handed in as a block at the end. The point at which Pendulums is done in the year varies between sets.</p>	<p>Electrical Circuits</p>	<p>Final Assessment</p> <p>Electricity Production</p>

Physics Cambridge IGCSE Curriculum Overview

	Autumn Term	Spring Term	Summer Term
Y10	<p>Measurement</p> <p>Motion</p> <p>Forces</p> <p>Exact timings vary because we have sets with one, two and three lessons a week in Y10</p> <p>However, we follow the same order as the Cambridge IGCSE Physics Coursebook by David Sang</p>	<p>Thermal Physics</p> <p>Waves</p>	<p>Optics</p> <p>Electricity</p>
Y11	<p>Usual Year:</p> <ul style="list-style-type: none"> • Electricity • Logic • Electromagnetism • Nuclear Physics <p>This Year:</p> <ul style="list-style-type: none"> • Optics • Nuclear Physics • Electromagnetism • Logic 	<p>Usual Year:</p> <ul style="list-style-type: none"> • Mocks • Practical Exam Preparation • Revise <p>This Year:</p> <ul style="list-style-type: none"> • Mocks • Go back over Electricity • Practical Exam Preparation • Revise 	<p>Practical Exam Preparation</p> <p>Revise</p>

Physics A Level Curriculum

	Autumn Term	Spring Term	Summer Term
Y12	Waves (SC & TS) Maths Methods (SC & TS) Introductory Mechanics (RP)	Particle Physics (SC & TS) Electricity (RP)	Start of Fields (SC & TS) Further Mechanics (RP)
Y13	<p>Usual Year:</p> <ul style="list-style-type: none"> • Finish Fields • Thermal • Nuclear <p>This Year:</p> <ul style="list-style-type: none"> • Fields (SC) • Thermal (SC & TS) • Nuclear (TS) 	<p>Usual Year:</p> <ul style="list-style-type: none"> • Option Block – one of Astrophysics or Turning Points in Physics • Practical Skills • Revise <p>This Year:</p> <ul style="list-style-type: none"> • Finish Fields (SC) • Finish Nuclear (TS) • Revise Lockdown topics (Particles and • Astro (SC) and Electricity (TS)) • Practical Skills (SC) 	<p>Revise</p> <p>Textbooks: AQA A Level Physics (Two books: Year 1 and Year 2) By Nicky Thomas, Jeremy Pollard, Nick England, Carol Davenport</p>