



# Year 11 Curriculum (KS4) Physics

Term	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1
Focus	Unit 2 Revision	Unit 2 Revision	Unit 3 Revision	Unit 3 Revision	Revision
Key Assessment Tasks	<p>Motion, distance-time graphs, velocity and acceleration.</p> <p>Forces between objects, resultant forces, stretching and squashing.</p> <p>Work, energy and momentum.</p> <p>Types of forces and car safety</p> <p>Review of Unit 1</p>	<p>Current and electricity, electrical charges, resistance, current-potential graphs, series and parallel circuits.</p> <p>Mains electricity, alternating current, cables and plugs, fuses, electrical power and potential difference.</p> <p>Radioactivity and Energy from the nucleus of atoms</p>	<p>Medical applications of physics, x-rays, lenses and the endoscope.</p> <p>Using Physics to make things work.</p> <p>Moments and calculating moments</p> <p>Centre of mass</p> <p>Stability and moments in balance</p> <p>Circular moments and the pendulum</p>	<p>Magnetic fields</p> <p>Electromagnets</p> <p>The motor effect and the motor</p> <p>Transformers</p> <p>Case studies using physics.</p> <p>Revision of unit 1, 2 and 3.</p>	<p>Revision on Unit1, 2 and 3.</p> <p>Completing exam questions and enhancing exam techniques using past papers on L-drive.</p> <p>Focused revision lessons and key topic teacher led summaries.</p> <p>Kerboodle revision resources</p>
Assessment	Written assessment Chapter assessment	Written assessment Chapter assessment	Pre public examinations	Written assessment Chapter assessment	Public examinations
Assessment Window	Autumn: continuous through course	Autumn: continuous through course	Spring	Spring	Summer
Independent Study/ Homework Required	Kerboodle Biology course P2 and P3	Kerboodle Biology course P2 and P3	Kerboodle Biology course P2 and P3. past papers and revision	Kerboodle Biology course P2 and P3. Past papers and revision	Kerboodle Biology course P2 and P3. Past papers and revision