

	Term 1	Term 2	Term 3
<b>Unit Title</b>	Y12 Physics	Y12 Physics	Y12 Physics
<b>Approximate Number of Lessons</b>	28	24	22
<b>Curriculum Content</b>	<b>3.1 Measurements and their errors</b> 3.1.1 Use of SI units and their prefixes 3.1.2 Limitation of physical measurements 3.1.3 Estimation of Physical Quantities <b>3.2 Particles and radiation</b> 3.2.1 Particles 3.2.2 Electromagnetic radiation and quantum phenomena <b>3.4 Mechanics and materials</b> 3.4.1 Forces, energy and momentum	<b>3.4 Mechanics and materials</b> 3.4.1 Forces, energy and momentum 3.4.2 Materials <b>3.3 Waves</b> 3.3.1 Progressive and stationary waves 3.3.2 Refraction, diffraction and interference <b>3.5 Electricity</b> 3.5.1 Current electricity	<b>3.5 Electricity</b> 3.5.1 Current electricity <b>3.6 Further mechanics and thermal physics</b> 3.6.1 Circular, SHM and Periodic motion
<b>Links to prior learning</b>	GCSE Units: P1 Energy, P3 Models of Matter, P4 Atomic Structure	GCSE Units: P2 Electricity, P4 Forces, P6 Waves	GCSE Units: P2 Electricity, P3 Particle Models of Matter
<b>Cultural Capital Opportunities</b>	<ul style="list-style-type: none"> <li>Suggested activities - Visit Science Museum, Attend Cambridge free astronomy sessions, Space Centre visit, Cern</li> <li>Reading suggestions- Advanced Physics for You, Deep Down Things, 30 Years That Shocked physics, Fundamental, Mad about Physics</li> <li>Online resources- Fermi-lab Channel, Veritasium Channel, Smarter Every day Channel, Physics Girl Channel, Physics Online Channel (revision site) School Physics Classroom site, PBS Spacetime Channel.</li> </ul>		
<b>Assessment Focus</b>	End of Unit Assessments on units: 3.1 and 3.2	End of Unit Assessments on units: 3.3, 3.4.1 and 3.4.2	End of Unit Assessments on units: 3.5 and 3.6.1
<b>Name of Knowledge Organiser/Link to Organiser</b>	Physics KO – Physics Teams		