



Long Term Plan

Year 12:

Subject: Physics

<u>AUTUMN TERM 1</u>	<u>AUTUMN TERM 2</u>
<p>Electricity - Electric Current. DC Circuits (PAG 5) Waves and Optics - Wave Properties. Stationary Waves (PAG 1)</p>	<p>Electricity - Electric Current. DC Circuits (PAG 6) Mechanics and Materials - Work, Energy, Power. Materials. Waves and Optics - Wave Properties. Stationary Waves (PAG 2)</p>
<u>SPRING TERM 1</u>	<u>SPRING TERM 2</u>
<p>Particles and Radiation - Matter and radiation. Quarks and Leptons. Quantum Phenomena Mechanics and Materials - Forces in Equilibrium. Motion and Newton's Laws. Force and Momentum.</p>	<p>Particles and Radiation - Matter and radiation. Quarks and Leptons. Quantum Phenomena Mechanics and Materials - Forces in Equilibrium. Motion and Newton's Laws. Force and Momentum.</p>
<u>SUMMER TERM 1</u>	<u>SUMMER TERM 2</u>
<p>Depending on AS exams being sat by the whole group/part of the group.</p> <p>Revision/completion spring term topics For certain cohorts all or some will sit the AS exam. This is decided as we progress through year 12 and judged on test results and teacher assessment of suitability of the individual student at this stage in course</p> <p>AQA AS Physics - 7407 Physics. Two 1hr30min papers</p> <ul style="list-style-type: none"> • Paper 1: 1 hour 30 mins. 70 marks. 50% of the AS • Paper 2: 1 hour 30 mins. 70 marks. 50% of the AS 	<p>Further Mechanics - Circular Motion. Simple Harmonic Motion</p> <p>Revision - Yr12 topics revisited as revision for mocks and preparation for summer work and exams at the start of year 13 on A-Level paper 1.</p> <p>End of Year Mock Exams - Two 1hr30min papers</p>