

Year Group: 13		Subject: Physics	Term: Spring 2021
Topic	Key Learning points		Assessment
Topic 1-6: Review of yr12 content	<p><i>End Point: To understand the concepts involved in year 12 content and knowledge for paper 1 exam.</i></p> <ul style="list-style-type: none"> • Checking understanding of the following topics and review of subject knowledge • Working as a Physicist • Mechanics, motion energy and momentum • Electric circuits, quantities, electrical circuits • Materials, fluids, solid material properties • Waves and the particle nature of light, waves, wave behaviour, optics, quantum Physics 		<p>Students will be formatively assessed during each topic by past paper questions completed in lesson time. Also practice mocks based on content covered</p> <ul style="list-style-type: none"> • Students will complete homework assignments as ongoing assessment of understanding. • Teachers will provide students with targeted feedback, based on their test performance.
Topic 7-13: Review of year13 content	<p><i>End Point: To understand the mechanisms that are involved in year13 content and knowledge for Paper 2 exam</i></p> <ul style="list-style-type: none"> • Further mechanics momentum, circular motion • Electric and magnetic fields, electric fields, capacitors, electromagnetic effects • Nuclear particle physics, probing matter, particle accelerators and detectors, the particle zoo • Thermodynamics, heat and temperature • Nuclear radiation, radioactivity • Gravitational fields • Space • oscillations 		<p>At the end of the term students will have a summative assessment. This will be a 90-mark exam paper which will be marked by their teacher.</p>