

Year Group: 13		Subject: Physics	Term: Spring 2022
Topic	Key Learning points		Assessment
Topic 1-6: Review of yr12 content	<i>End Point: To understand the concepts involved in year 12 content and knowledge for paper 1 exam.</i> • 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		Students will be formatively assessed during each topic by past paper questions completed in lesson time. Also practice mocks based on content covered • 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	<i>End Point: To understand the mechanisms that are involved in year13 content and knowledge for Paper 2 exam</i> • 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		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.