

PCHS Curriculum Information – Year 11

Course Title: GCSE Physics	Exam Board: AQA Specification Code: 8463
How will students be assessed? In GCSE Physics, students will sit two external exams at the end of Year 11. Each paper is worth 50% of their final GCSE grade. Exams will be 1 hour and 45 minutes in length requiring students to answer structured, closed short answer and open response questions. Questions will be knowledge based as well as drawing on the practical work that students have completed throughout the course. Physics GCSE Paper 1: This will assess the topic areas of energy, electricity, the particle model of matter and atomic structure. Physics GCSE Paper 2: This will assess the topic areas of forces, waves, magnetism and electromagnetism, space physics as well as some of the work previously done on energy and electricity.	

KEY CONTENT

Half Term 1 <u>PHY6 Waves</u> • Transverse and longitudinal • Properties of waves • Reflection and refraction • Sound • Uses of ultrasound • Electromagnetic spectrum Assessment and feedback	Half Term 4 <u>PHY8 Space</u> • Star life cycles • Orbits • Expanding universe • The Big Bang Assessment and feedback Revision and exam preparation
Half Term 2 <u>PHY6 Waves</u> • Infrared • Visible Light • Lenses Assessment and feedback Revision and mock exams	Half Term 5 Revision and exam preparation
Half Term 3 Feedback from mock exams <u>PHY7 Magnetism and Electromagnetism</u> • Permanent and Induced Magnets • Magnetic Fields • Electromagnetism • Fleming's left hand rule (HT) • Motor effect (HT) • Generator effect (HT) • Transformers (HT) Assessment and feedback <u>PHY8 Space</u> • Our solar system	Half Term 6 Revision and Exams

