

PCHS Curriculum Information - Year 10

Course Title: GCSE PHYSICS	Exam Board: AQA	Specification Code:8463
<p>How will students be assessed? Students will sit two external exams at the end of Year 11. Each paper is worth 50% of their final GCSE grade. Both 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.</p> <p>Physics GCSE Paper 1: This will assess the topic areas of energy, electricity, the particle model of matter and atomic structure.</p> <p>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.</p>		

KEY CONTENT
<p>Half Term 1 Particle model of matter Density Specific heat capacity Specific latent heat Particle model of gases</p>
<p>Half Term 2 Atoms and isotopes Development of the atomic models Radioactivity Half-life Hazards and uses of radioactivity Fission and fusion</p>
<p>Half Term 3 Forces Contact and non-contact forces Vector and scalars Resultant forces & resolving forces Forces and elasticity</p>
<p>Half Term 4 Moments Gear and levers Pressure Forces and motion</p>
<p>Half Term 5 Acceleration Newton's laws Stopping distances Momentum</p>
<p>Half Term 6 Forces consolidation Revision and interleaving</p>

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