

DAGENHAM PARK SUBJECT CURRICULUM

Subject	Physics
Year Group	10
Overview	<p>GCSE Physics offers students the chance to gain a good understanding of:</p> <ul style="list-style-type: none"> • The use and transfer of energy. • Electricity and its uses. • Forces and their effects. • The particle model of matter. • Waves and electromagnetic radiation. <p>The specification is designed to give students the tools and concepts they need to be able to construct a scientific approach to solving problems. Students will learn to ask and answer questions about the fundamental laws that govern natural phenomena. This is done by integrating the 'How Science Works' approach throughout the specification.</p> <p>The students need to carry out required practicals during class time to show that they can manipulate equipment, process results, formulate conclusions and evaluate their work.</p>
Autumn Half term 1	<p>Physics Unit 2: Electricity</p> <p>6.2.1 Current, potential difference and resistance 6.2.2 Series and parallel circuits 6.2.3 Domestic uses and safety 6.2.4 Energy transfers</p>
Autumn Half term 2	<p>Physics Unit 2: Electricity</p> <p>6.2.1 Current, potential difference and resistance 6.2.2 Series and parallel circuits 6.2.3 Domestic uses and safety 6.2.4 Energy transfers</p>
Spring Half term 1	<p>Physics Unit 3: Particle model of matter</p> <p>6.3.1 Changes of state and the particle model 6.3.2 Internal energy and energy transfers 6.3.3 Particle model and pressure</p>

<p>Spring Half term 2</p>	<p>Physics Unit 3: Particle model of matter 6.3.1 Changes of state and the particle model 6.3.2 Internal energy and energy transfers 6.3.3 Particle model and pressure</p>
<p>Summer Half term 1</p>	<p>Physics Unit 4: Atomic Structure 6.4.1 Atoms and Isotopes 6.4.2 Atoms and nuclear radiation</p>
<p>Summer Half term 2</p>	<p>Physics Unit 4: Atomic Structure 6.4.1 Atoms and Isotopes 6.4.2 Atoms and nuclear radiation</p>
<p>Homework</p>	<p>Graded tasks. Revision packs. Exam booklets.</p>
<p>Useful Resources</p>	<p>Study packs on every section are on the learning platform. CGP Revision guides. School's Share point. BBC Bitesize. Seneca</p>