



YEAR	TOPICS		TERMLY INDEPENDENT WORK
9	1) AQA GCSE physics unit 4.1.1 Energy Changes in a system 2) AQA GCSE physics unit 4.1.2 Conservation and dissipation of energy 3) AQA GCSE physics unit 4.1.3 National and global energy resources 4) AQA GCSE physics unit 4.2.1 Current, potential difference and resistance 5) AQA GCSE physics unit 4.2.2 Series and parallel circuits 6) AQA GCSE physics unit 4.2.3 domestic uses and safety 7) AQA GCSE physics unit 4.2.4 Energy transfers 8) AQA GCSE physics unit 4.2.5 Static Electricity		1) Reducing energy usage in the home 2) Renewable energy research 3) The National Grid
10	If completing double award Combined science; 1) AQA GCSE physics unit 6.3.1 Changes of state and the particle model 2) AQA GCSE physics unit 6.3.2 Internal energy and energy transfers 3) AQA GCSE physics unit 6.3.3 Particle model and pressure 4) AQA GCSE physics unit 6.4.1 Atoms and isotopes 5) AQA GCSE physics unit 6.4.2 Atoms and nuclear radiation 6) AQA GCSE physics unit 6.5.1 Forces and their interactions 7) AQA GCSE physics unit 6.5.2 Work done and energy transfer 8) AQA GCSE physics unit 6.5.3 Forces and elasticity	If completing separate sciences; 1) AQA GCSE physics unit 4.3.1 Changes of state and the particle model 2) AQA GCSE physics unit 4.3.2 Internal energy and energy transfers 3) AQA GCSE physics unit 4.3.3 Particle model and pressure 4) AQA GCSE physics unit 4.4.1 Atoms and isotopes 5) AQA GCSE physics unit 4.4.2 Atoms and nuclear radiation 6) AQA GCSE physics unit 4.4.3 Hazards and uses of radioactive emissions 7) AQA GCSE physics unit 4.4.4 Nuclear fission and fusion 8) AQA GCSE physics unit 4.5.1 Forces and their interactions	1) Using radioactivity 2) Is Nuclear power safe? 3) Using pressure 4) Car safety



	9) AQA GCSE physics unit 6.5.4 Forces and motion 10) AQA GCSE physics unit 6.5.5 Momentum	9) AQA GCSE physics unit 4.5.2 Work done and energy transfer 10) AQA GCSE physics unit 4.5.3 Forces and elasticity 11) AQA GCSE physics unit 4.5.4 Moments, levers and gears 12) AQA GCSE physics unit 4.5.5 Pressure and pressure differences in fluids 13) AQA GCSE physics unit 4.5.6 Forces and motion 14) AQA GCSE physics unit 4.5.7 Momentum	
11	If completing double award Combined science; 1) AQA GCSE physics unit 6.6.1 Waves in air, fluids and solids 2) AQA GCSE physics unit 6.6.2 Electromagnetic waves 3) AQA GCSE physics unit 6.7.1 Permanent and induced magnetism, magnetic forces and fields 4) AQA GCSE physics unit 6.7.2 The motor effect 5) Revision programme	If completing separate sciences; 1) AQA GCSE physics unit 4.6.1 Waves in air, fluids and solids 2) AQA GCSE physics unit 4.6.2 Electromagnetic waves 3) AQA GCSE physics unit 4.6.3 Black body radiation 4) AQA GCSE physics unit 4.7.1 Permanent and induced magnetism, magnetic forces and fields 5) AQA GCSE physics unit 4.7.2 The motor effect 6) AQA GCSE physics unit 4.7.3 Induced potential, transformers and the National Grid	1) The electromagnetic spectrum 2) Uses of magnetism 3) Revision programme



Physics CURRICULUM OVERVIEW

Key Stages 3 & 4

		7) AQA GCSE physics unit 4.8.1 Solar System 8) AQA GCSE physics unit 4.8.2 Red-shift 9) Revision programme	
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PLEASE NOTE:

- This overview sets out a general summary of the basic curriculum taught. It is not an exhaustive list of what may be taught and subject teachers may follow the above in a different order. Further details may be obtained from the Head of Department, if required.
- The Independent Work indicated represents core, headline tasks per term; weekly/fortnightly independent/home work is set in all subject areas, and details are noted in Teams.