

Year 10 COMBINED Science - Physics Name:

Sept - Oct	<ul style="list-style-type: none"> • Topic 3 GPE and KE • Topic 3 Energy transfers and energy conservation • Topic 3 Sankey diagrams • Topic 3 Efficiency • Topic 3 Reducing energy waste • <i>Test 1 - Topic 2 and 3 test</i>
Nov - Dec	<ul style="list-style-type: none"> • Topic 4 Describing waves • Topic 4 Wave speed • Topic 4 Ray diagrams – refraction • Topic 5 The electromagnetic spectrum • Topic 5 EM waves – using long wavelengths • Topic 5 EM waves – using short wavelengths • <i>Test 2 - Topic 4&5 test</i>
Jan - Feb	<ul style="list-style-type: none"> • Topic 6 – The atomic model • Topic 6 – Isotopes • Topic 6 – Background radiation • Topic 6 – Alpha, beta and gamma radiation • Topic 6 – Decay equations • Topic 6 – Half-life • Topic 6 – Dangers of radiation • <i>Test 4 - Topic 6 test</i>
Feb - March	<ul style="list-style-type: none"> • Topic 8 – Energy transfers and stores • Topic 8 – Work done • Topic 8 – GPE and KE transfers • Topic 8 – Power • Topic 9 – Forces and free body force diagrams • Topic 9 – Vectors and vector diagrams
April - May	<ul style="list-style-type: none"> • Topic 10 – Circuit symbols • Topic 10- Electric current • Topic 10- Potential difference • Topic 10- Electric charge • Topic 10- Electrical resistance
June – July	<ul style="list-style-type: none"> • Topic 10 – Ohm’s law • Topic 10 – IV relationships • Topic 10 – Electrical power • Topic 10– AC and DC • <i>Test 4 – End of Year 10 Exam (Topics 2-6)</i>
Test 1 – (Topic 2 and 3 – Forces, motion and energy)	
Test 2 – (Topic 4&5 – Waves and the electromagnetic spectrum)	
Test 3 – (Topic 6 test – Radioactivity)	
Test 4 - YEAR 10 EXAM (Topics 2-6)	

Year 11 COMBINED Science - Physics Name:

Sept - Oct	<ul style="list-style-type: none">• Topic 12– Magnets and magnetic fields• Topic 12– Magnetic forces (higher only)• Topic 13– Electromagnetic induction• <i>Test 1 Topic 10 Test (sat in Chemistry)</i>
Nov - Dec	<ul style="list-style-type: none">• Topic 13– Transformers and the National Grid• Topic 14– Kinetic theory and density• <i>Test 2 Mock exam 1 (Topics 1-6)</i>
Jan - Feb	<ul style="list-style-type: none">• Topic 14– Specific heat capacity• Topic 14– Specific latent heat
Feb - March	<ul style="list-style-type: none">• Topic 14– Gas pressure and temperature• <i>Test 3 Mock exam 2 (Topics 8- 14)</i>
April - May	<ul style="list-style-type: none">• Topic 15– Elastic and inelastic distortion
Test 1 – Topic 10 test	
Test 2 – Mock exam 1 (Topics 1-6)	
Test 3 – Mock exam 2 (Topics 8 – 14)	