

Term	Topic(s)	Assessed work	Additional details
1 a 7 weeks 28 lessons	Thermal Physics <ul style="list-style-type: none"> • Temperature • Solids, Liquids, and Gases • Thermal Properties of Materials • Ideal Gases Circular Motion and Oscillations <ul style="list-style-type: none"> • Simple Harmonic Oscillations • Energy of a Simple Harmonic Oscillator • Damping Gravitational Fields <ul style="list-style-type: none"> • Point and Sphere Masses • Newton's Law of Gravitation • Planetary Motion • Gravitational Potential and Energy 	PAG 8.1 PAG 10.1 PAG 11.2	
1b 7 weeks 28 lessons	Capacitors <ul style="list-style-type: none"> • Capacitors • Energy Stored in a Capacitor • Charging and discharging a Capacitor Astrophysics and Cosmology <ul style="list-style-type: none"> • Stars • EM Radiation from Stars • Cosmology 	8/11/21 –mock exams begin (no taught curriculum) PAG 9.1	
2a 7 weeks 28 lessons	Electric Fields <ul style="list-style-type: none"> • Point and Spherical Charges • Coulomb's Law • Uniform Electric Fields • Electric Potential and Energy Nuclear and Particle Physics <ul style="list-style-type: none"> • The Nuclear Atom • Fundamental Particles 	Practice Paper (w/b 3.1.22)	
2b 5 weeks 20 lessons	Nuclear and Particle Physics <ul style="list-style-type: none"> • Radioactivity • Fission and Fusion Electromagnetism <ul style="list-style-type: none"> • Magnetic Fields • Motion of Charged Particles • Electromagnetism 	PAG 7.1	

3a 5 weeks 20 lessons	Revision and Past Papers		
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