

	comment	2 lessons - ABE	Practicals	3 lessons - MG	Practicals
30/08/2021					
06/09/2021		Capacitors 6.1.1	Supercapacitor demo Build basic circuits to charge capacitors	Radians and centripetal force (5.2.1/5.2.2)	
13/09/2021		Capacitors 6.1.1 - PAG 9.2	PAG 9.2 Capacitors in series and parallel	Assessed task 3 - circular motion Gravitational fields Point and Spherical masses / Newtons law of gravitation(5.4.1 / 5.4.2)	Whirling bung experiments Examples of circular motion
20/09/2021		Capacitors Energy (6.1.2) Capacitors - Charging and discharging capacitors (6.1.3 a)		5.4.3 Planetary motion	
27/09/2021	Inset day Friday	Capacitors 6.1.3 PAG 9.1	PAG 9.1 Investigating charging and discharging capacitors	5.4.4 Gravitational potential and energy Assessed task 5 - gravitational fields	
04/10/2021		Capacitors Charging and discharging capacitors (6.1.3 b-e) Assessed task 15 - Capacitors		SHM 5.3.1	Demos - Bartons pendulum
11/10/2021		Electricity revision and consolidation		SHM Energy of a simple harmonic oscillator / Damping (5.3.2 / 5.3.3) Assessed task 4 - Oscillations	PAG 10.1 (or 10.3) Investigating factors affecting simple harmonic motion
18/10/2021	CIE capacitor & circular motion	Electricity revision and consolidation		practical and maths skills (eg log laws etc)	
25/10/2021	Half Term				
01/11/2021		6.2.3 Uniform electric fields		Mechanics and waves revision	
08/11/2021		6.2.4 Electric potential and energy Assessed task 16 - electric fields		Mechanics and waves revision	
15/11/2021		5.1.3 Thermal properties of materials (a) - (b)	PAG 11.2 Specific heat capacity	5.1.1 Temperature 5.1.2 Solid liquid and gas	Heating/cooling water/ stearic acid
22/11/2021	Inset day Friday	5.1.3 Thermal properties of materials (c) - (d) Assessed task 1 thermal physics	Specific latent heat	Ideal gases 5.1.4 (a) - (d)	PAG 8.2 Variation in volume - Boyles law (demo)
29/11/2021	Inset day Monday	Quantum physics revision		Ideal gases 5.1.4 (e) - (i) Assessed task 2 ideal gases	
06/12/2021	Revision and Y13 test 1 - Circular/SHM/capacitors/ Efields/ thermal				
13/12/2021		Test review and revision		Test review and revision	
20/12/2021	Christmas Holiday				
27/12/2021	Christmas Holiday				
03/01/2022		Nuclear atom 6.4.1 (revision)		Electric fields recap	
10/01/2022		Nuclear atom 6.4.2 (particles revision) Assessed task 11 - particle physics		6.3.1 Magnetic fields	magnet demos
17/01/2022		6.4.3 Radioactivity (a)-(c)		6.3.2 Motion of charged particles	
24/01/2022		6.4.3 Radioactivity (b) PAG 7.2	PAG 7.2 Investigating the absorption of α -particles, β -particles and γ -rays by appropriate materials	6.3.3 Electromagnetism	FLHR demo
31/01/2022	CIE flux density	6.4.3 Radioactivity (d)-(f)	PAG 7.3 Investigating the half life of radioactive materials	6.3.3 Electromagnetism Assessed task 10 - magnetic fields	Lenz's law demos
07/02/2022	Mock exam week				
14/02/2022	Half term				
21/02/2022	Inset day Monday	6.4.3 Radioactivity (g) - (h) Assessed task 12 - radioactivity		Stars (5.5.1)	
28/02/2022		Nuclear fission and fusion (6.4.4 a-f)		Electromagnetic radiation from stars (5.5.2)	
07/03/2022		Nuclear fission and fusion (6.4.4 g-k) Assessed task 13 nuclear		Electromagnetic radiation from stars (5.5.2) Assessed task 6 - stars	PAG 5.1 Determining wavelength with a diffraction grating
14/03/2022		Using X-Rays (6.5.1)		Cosmology 5.5.3	
21/03/2022		Using X-Rays (6.5.1)		Cosmology 5.5.3 Assessed task 7 - cosmology	
28/03/2022		Diagnostic methods in medicine (6.5.2)		Ultrasound 5.4.3	
04/04/2022	Easter holiday				
11/04/2022	Easter holiday				
18/04/2022	Bank holiday Monday	Diagnostic methods in medicine (6.5.2)		Ultrasound 5.4.3 Assessed task 14 - medical	
25/04/2022		Revision		Revision	
02/05/2022	Bank holiday Monday	Revision		Revision	
09/05/2022		Revision		Revision	
16/05/2022		Revision		Revision	
23/05/2022	Study leave				
30/05/2022	Half term				