

	comment	2 lessons - MG/ABE	Practicals	3 lessons - PSC	Practicals
30/08/2021	Collect summer work				
06/09/2021	CIE bending beam practical	Charge 4.1.1 (a)-(g) Mean drift velocity 4.1.2 (a) - (c) Circuit symbols 4.2.1 (a) - (b)		Physical quantities and units 2.1.1/2.1.2 Scalars and vectors 2.3 (a)(b)(c)(d)	
13/09/2021		Homework task 6 - charge and current	Basic circuits	Kinematics 3.1.1	Data loggers with position sensor
20/09/2021	1st assessment	E.M.F and P.D. 4.2.2 (a) - (e)		Linear motion 3.1.2 (a) (b)Ⓞ 1st ASSESSMENT	Ramps and data loggers
27/09/2021	Inset day Friday	E.M.F and P.D. 4.2.2 (a) - (e)	Coloured ions on visualiser	Projectile motion 3.1.13 Homework task 1 - motion 1st ASSESSMENT FEEDBACK	PAG1.1 - acceleration of free fall Monkey + Hunter Ball bearing flicker
04/10/2021		E.M.F and P.D. 4.2.2 (a) - (e)		Dynamics 3.2.1 (a) - (f)	
11/10/2021		Resistance 4.2.3 (a) - (d)	PAG 3.2 electrical characteristics	Motion with non-uniform acceleration 3.2.2	Trolleys with light gates F=ma
18/10/2021		Resistivity 4.2.4 (a) - (c)		Motion with non-uniform acceleration 3.2.2	Balls falling through viscous liquid (e.g. shower gel)
25/10/2021			Half Term		
01/11/2021	CIE Ramps & Resistivity	Resistivity 4.2.4 (a) - (c)	PAG 3.1 Resistivity	Equilibrium 3.2.3 (a) - (f)	Hammer +ruler demo Balance a broom fork and spoon
08/11/2021		Power 4.2.5 / 4.2.5 Homework task 7 - Energy, power, resistance		3.2.4 Density and pressure Homework task 2 - forces in action	Rulers with holes and masses with hangers Density of regular objects Peeling can Crushing a can
15/11/2021	2nd Assessment	Series and parallel circuits 4.3.1 (a) - (d)		Work and energy 3.3.1 2nd ASSESSMENT	
22/11/2021	Inset day Friday	Series and parallel circuits 4.3.1 (a) - (d)	PAG 4.1 combining resistors	Kinetic and GP energy 3.3.2 2nd ASSESSMENT FEEDBACK	PAG1.3 -stopping distance of a block
29/11/2021	Inset day Monday	Series and parallel circuits 4.3.1 (a) - (d)		Power 3.3.3 Homework task 3 - work, energy and power	Efficiency of an electric motor
06/12/2021		Catch up/ revision		Springs 3.4.1	PAG2.2 - Springs
13/12/2021		Series and parallel circuits (e) -(f)		Mechanical properties of matter (a)- (f) Homework task 4 - Materials	PAG2.1 Young modulus
20/12/2021			Christmas Holiday		
27/12/2021					
03/01/2022		Internal resistance 4.3.2 (a) - (c)	PAG 3.3 internal resistance of cell	Newton's laws of motion 3.5.1 (a) - (e)	Air track Explosion trolleys
10/01/2022		Internal resistance 4.3.2 (a) - (c)		Collisions 3.5.2 Homework task 5 - Newton's laws and momentum	
17/01/2022		Potential dividers 4.3.3 (a) - (c)	Sensing circuits with LDRs/ thermistors	Wave motion 4.4.1 (a) - (d)	Ripple tank PAG 5.3 Using an oscilloscope
24/01/2022		Homework task 8 - Electrical circuits		Wave motion 4.4.1 (e) - (g)	PAG 6.3 Polarisation
31/01/2022		Mock exams week			
07/02/2022		Photons 4.5.1		Electromagnetic waves 4.4.2 (a) - (c)	EM circus
14/02/2022			Half term		
21/02/2022	Inset day Monday	Photons 4.5.1	PAG 6.1 Planck constant	Electromagnetic waves 4.4.2 (d) - (e) Homework task 9 - Waves 1	Refraction / TIR / Dispersion
28/02/2022		Photons 4.5.1	Gold leaf electroscope	Superposition 4.4.3 (a)- (e) Superposition 4.4.3 (f) - (g)	2 speakers - sound interference 2 source microwave interference Light - 2 slit interference
07/03/2022		Photoelectric effect 4.5.2 (a) - (f)	Electron diffraction tube		
14/03/2022	CIE LEDs and stretching wire	Photoelectric effect 4.5.2 (a) - (f)		Stationary waves 4.4.4 (a) - (e)(i)	Stationary wave on elastic string Boomwhackers, Rubens tube
21/03/2022		Wave particle duality (a) - (c)		Stationary waves 4.4.4 (e)(ii) - (g) Homework task 10 - waves 2	PAG 5.2 standing waves resonance tube
28/03/2022		Wave particle duality (a) - (c) Homework task 11 - Quantum physics		Catch up	
04/04/2022			Easter holiday		
11/04/2022					
18/04/2022	Bank holiday Monday	Revision		Revision	
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		End of year 12 exams			
30/05/2022			Half term		
06/06/2022		6.4.1 The nuclear atom (watch atom video)		5.1.1 Temperature 5.1.2 Solid liquid and gas (a)-(c) (watch absolute zero video)	
13/06/2022		6.4.2 Fundamental particles		5.1.2 Solid, liquid and gas (d) - (g)	Heating/cooling water/ stearic acid
20/06/2022	Inset day Friday	Particle accelerators		5.1.3 Thermal properties of materials (a) - (b)	PAG 11.2 Specific heat capacity
27/06/2022		PAG 12 - research task		5.1.3 Thermal properties of materials (c) - (d)	Specific latent heat
04/07/2022		Revision + finish thermal physics		Revision + finish thermal physics	
11/07/2022		Revision + finish thermal physics		Revision + finish thermal physics	
18/07/2022					