

Year 11		Year 10		Year 9	
1.8	Centre of mass; simple pendulum	6.1	Atomic structure: nuclear model; ions; isotopes	1.1	distance-time graphs;
1.9	Series and parallel circuits	6.2	Radioactivity: background rad; alpha, beta, gamma	1.1	distance-time graphs; average speed; scalars/ vectors
1.9	stability	6.2	Nature of radiations; nuclear equations	1.1	velocity-time graphs; $a=(v-u)/t$; AREA UNDER = distance
1.1	Circular motion	6.2	Half-life	1.1	using graphs
1.11	Hydraulics / pressure	6.2	Uses,dangers	1.2	resultant forces ,vectors,F = ma
	test on forces in action		test on radioactivity(by parents evening)	1.4	forces and braking
	Autumn 1/2 term		Autumn half-term	1.5	forces and terminal velocity
					Autumn half-term
4.2	household electricity; ac/dc,use of diode,oscilloscope	6.3	Nuclear fission,		
4.2	cables and plugs, fuses, RCCBs, earthing	6.4	Nuclear fusion: star life cycle		revision & test Forces and Motion
4.3	electrical power $P=IV$, $P=E/t$, $Q=It$, $E=VQ$	6.4	Production of elements: light and heavy elements/ <i>mini test</i>	3.1	Kinetic model, states of matter
4.3,4.1p, q	kWh, $E=Pt$, cost, use of LEDs,CFLs	1.2a	newtons 3rd law	3.1	Specific Heat Capacity
4.4	national grid	1.1c	revise motion graphs + tangent to curve,	3.1	Change of state,
	MOCK REVISION	1.3	momentum	3.1	Specific Latent Heat
	Christmas holidays		Christmas holiday	3.2	Evaporation & Condensation
	Christmas holidays				Christmas holiday
	Christmas holidays				
	MOCK	1.3	Impact forces and car safety		
	over mock	1.6	forces and elasticity	3.2	Expansion
5.1	magnets, electromagnets	1.7	energy and work,power	3.2	conduction
5.1	motor effect,electric motor	1.7	GPE, KE	3.2	convection

5.2	generator effect,ac generator		test on forces	3.3	IR radiation; surfaces and radiation,Energy transfer by design
5.3	transformers, switch mode transformers	2.1 waves	longitudinal & tranverse waves, wave equation		revision and test Heating Processes
	spring 1/2 term		Spring half-term	3.4	Conservation of energy,Useful energy
2.4	Refraction , Snell's Law, Refractive index	2.1,2.4,2.5a,b	reflection,refraction/(2.4 light reflection,2.5 refraction only)		Spring half-term
2.6 abfg	Converging lenses: real and virtual images	2.1	diffraction, interference	3.5	Efficiency, insulating houses; U-values,pay back time
cdhij	Ray diags; $1/u + 1/v = 1/f$; mag; power	2.2	Electromagnetic spectrum; uses and dangers	4.1	Free electrons, charge and current, $Q = It$, circuit symbols
klm	Eye; near- and far-points; correcting defects	2.2	UV, X-rays, Gamma: properties; effects; medical uses	4.1	Potential difference $V = E/Q$ and resistance $V = IR$
nop	laser treatment; eye structure; eye vs. camera		Easter holiday	4.1	I/V graphs - fixed resistor, bulb
	Easter holidays			4.1	Easter holiday
	Easter holidays			4.1	
	Easter holidays	2.3 a,b,c,d	sound, musical sound(not ultrasound)		
nop	laser treatment; eye structure; eye vs. camera		test on waves, e/m spectrum, sound	4.1	Thermistor, Diode, (LED,) LDR
	REVISION		Revise (for internal examination)	4.1	Series Circuits
	REVISION		Exams	4.1	Parallel circuits
	REVISION		Summer half-term		revision and test Electrical circuits
			Exams		revision
			Over exams		revision
		2.3e-i	Ultrasound		Summer half-term
	GCSEs		Over exams		Exams
	GCSEs				
	GCSEs				Static charge
	Founder's - Last week - summer holiday				