Physics Curriculum and Assessment Map

Term	Date	Week	Year 7	Year 8	Year 9	Year 10	Year 11
Autumn A	05-Sep	1	See Combined Science for Key Stage 3	See Combined Science for Key Stage 3	See Combined Science	**Forces Year 10 unit part 1 which includes:** Resultant forces, The parallelogram of forces (H tier only), Resolution of forces (H tier only), acceleration, SUVAT equations, Newtom's laws of motion, this time includin gthe second law, Forces and	**Molecules and matter including:** density, states of matter, changes of state, internal energy, specific latent heat, gas pressure and temperature, gas pressure and volume
	12-Sep	2					
	19-Sep	1					
	26-Sep	2					
	03-Oct	1					
	10-Oct	2					
	17-Oct	1					Revision for mock exams
	24-Oct		October Half-Term	October Half-Term	October Half-Term	October Half-Term	October Half-Term
Autumn B	31-Oct	2	See Combined Science for Key Stage 3	See Combined Science for Key Stage 3	See Combined Science	Forces mid-unit assessment	Revision for mock exams
	07-Nov	1				**Forces Year 10 unit part 2 which includes:** moments, levers and gears, forces and braking, momentum (H tier only), conservation of momentum (H tier only), Impact forces, car safet, pressure in solids and liquids, atmospheric pressure and upthrust and flotation	Mock Exams
	14-Nov	2					**Radioactivity including:** atomic structure, discovery of the nucleus and subatomic particles, isotopes, changes in the nucleus, alpha, beta and gamme decay, half life, nuclear medicine, fission, chain
	21-Nov	1					
	28-Nov	2					
	05-Dec	1					
	12-Dec	2					
	19-Dec	1					
	26-Dec		Christmas Break	Christmas Break	Christmas Break	Christmas Break	Christmas Break
Spring A	02-Jan	1	See Combined Science for Key Stage 3	See Combined Science for Key Stage 3	See Combined Science	Forces end of unit assessment	Radioactivity, molecules and matter assessment
	09-Jan	2				**Energy which includes:** Changing energy stores, conservation of energy, Work done, types of energy including gravitational and kinetic, energy equations, dissipation of energy,	**Electromagnetism including:** Magnetic fields, electromagnets, magnetic fields and current, electromagnets in devices, motor and generator effects, ac generators, transformers, the national
	16-Jan	1					
	23-Jan	2					
	30-Jan	1					
	06-Feb	2					
	13-Feb		February Half-term	February Half-term	February Half-term	February Half-term	February Half-term
Spring B	20-Feb	1	See Combined Science for Key Stage 3	See Combined Science for Key Stage 3	See Combined Science	**Energy continues:** Heating an insulating buidlings, infrared radiation, specific heat capacity, Global and national energy demands, Fossil fuels, renewable energy types, environmetal issues, future energy	Electromagnetism assessment
	27-Feb	2					**Waves GCSE physcis only content including:** Sound waves, ultrasound, seismic waves, reflection and refraction, colour, lenses, using lenses
	06-Mar	1					
	13-Mar	2					
	20-Mar	1					
	27-Mar	2				Energy assessment	
	03-Apr		Easter Break	Easter Break	Easter Break	Easter Break	Easter Break
	10-Apr						
Summer A	17-Apr	1	See Combined Science for Key Stage 3	See Combined Science for Key Stage 3	See Combined Science	Year 10 Exams	Waves assessment
	24-Apr	2					**Space including:** the solar system and its formation, red shift, life cycle of a star, planets, satellites and orbits, the
	01-May	1				**Electric circuits including:** Static electricity and electric fields, Circuit symbols, current, charge, potential difference and resistance	
	08-May	2					External Exams
	15-May	1					
	22-May	2					
	29-May		May Half-term	May Half-term	May Half-term	May Half-term	May Half-term
Summer B	05-Jun	0	See Combined Science for Key Stage 3	See Combined Science for Key Stage 3	See Combined Science	Enrichment week	External Exams
	12-Jun	1				**Electric circuits including:** Series and parallel circuits, Ohm's law, Electrical equations, component characteristics for lamps, fixed resistors and diodes, Cables, plugs, fuses and earth wires, ac and dc,	
	19-Jun	2					
	26-Jun	1					
	03-Jul	2					
	10-Jul	1					
	17-Jul	2				Electricity assessment	