

Curriculum Map

Year 12 Physics

Year 12			
Date	Week	Teacher A (3 lessons/week)	Teacher B (2 lessons/week)
01-Sep	1	Topic 1 Measurements and Errors Units and Prefixes	Topic 3 Waves Waves Key Definitions and Phase
08-Sep	2	Micrometers, Vernier Calipers and Assessment	Superposition and Stationary Waves
15-Sep	3	Uncertainties, Graph drawing and uncertainty in graphs	Stationary waves
22-Sep	4	Core Practical admin, planning and measuring g core practical	Stationary Waves Core Practical
29-Sep	5	Topic 4 Mechanics Vectors and Scalars and Resolving Forces	Refraction and TIR
06-Oct	6	Equilibrium conditions	Optical Fibres and Diffraction
13-Oct	7	Moments	Young's slit



DRAYTON MANOR HIGH SCHOOL

20-Oct	8		
		Centre of Mass and Equilibrium	Diffraction Grating and Single Slit
28-Oct	HALF TERM		
03-Nov	9		
		Assessment and Motion Graphs	Diffraction core practical
10-Nov	10		
		SUVAT (1D)	Waves Assessment and Revision
17-Nov	11		
		SUVAT (2D)	Photons and particle interactions
24-Nov	12		
		Projectiles	Particle zoo and quarks
01-Dec	13		
		Newton's laws and Terminal Velocity	Conservation rules in particles
08-Dec	14		
		Momentum + Impulse	Photoelectric effect
15-Dec	15		
		Elastic and Inelastic collisions	Revision
23-Dec	CHRISTMAS BREAK		
30-Dec			
05-Jan	16	January Assessment	January Assessment



DRAYTON MANOR HIGH SCHOOL

12-Jan	17	Work done, Power and F-x graphs	Energy levels and excitation
19-Jan	18	Conservation of energy	Fluorescence and Quantum feedback task
26-Jan	19	Feedback from Mocks	Feedback from Mocks
02-Feb	20	Density	Wave-particle duality
09-Feb	21	Springs	Assessment
17-Feb	HALF TERM		
23-Feb	22	Tensile Stress and strain	Revision
02-Mar	23	Young's Modulus	Revision
09-Mar	24	Young's Modulus	Revision
16-Mar	25	Materials Required Practical	Revision and Assessment
23-Mar	26	Topic 5 Electricity Recap GCSE Basics and Resistivity	Resistivity Core Practical
07-Apr	EASTER BREAK		
14-Apr			



DRAYTON MANOR HIGH SCHOOL

13-Apr	27		
		Superconductivity and feedback task	Exam Practice (Practical Skills)
20-Apr	28		
		Resistors in series and parallel + Kirchhoff's first law	Exam Practice (Practical Skills)
27-Apr	29		
		Kirchhoff's laws	Internal Resistance core practical
04-May	30	Potential divider and Sensor Circuits	Exam Practice (Practical Skills)
11-May	31	Internal Resistance	Revision
18-May	32	Revision and Assessment	Revision
26-May	HALF TERM		
01-Jun	33	Revision	Revision
08-Jun	34	Revision	Revision
15-Jun	35	UCAS Exams	UCAS Exams
22-Jun	36	Topic 6 Periodic Motion Simple Harmonic Motion	Topic 6 Periodic Motion Circular motion
29-Jun	37		
		Simple Harmonic Motion	Circular motion
06-Jul	38	Feedback and Improvement from UCAS exams	Feedback and Improvement from UCAS exams
13-Jul	39		
		Simple Harmonic Motion Practical	Circular motion