

Curriculum Map

Year 13 Physics

Date	Week	Teacher A (3 lessons/week)	Teacher B (2 lessons/week)
1-Sep	1	Topic 7 Fields Fields and Newton's law of Gravitation	Paper 1 Assessment including periodic motion
8-Sep	2	Gravitational field strength	Feedback from Assessment
15-Sep	3	Gravitational potential	Topic 8 Radioactivity Changes in the nucleus
22-Sep	4	Planetary fields and Satellite Motion	Gamma Intensity Core Practical
29-Sep	5	Electric fields and Coulomb's law	Half life
6-Oct	6	Electric potential	Instability and decay modes
13-Oct	7	Gravitational fields vs Electric fields	Uses of radioactive isotopes and nuclear radius
20-Oct	8	Fields Assessment and Capacitance	Binding energy
28-Oct	HALF TERM		
3-Nov	9	Dielectric and Capacitor graphs	Fission and Fusion
10-Nov	10	Capacitor equations and time constant	The Nuclear Reactor and Revision
17-Nov	11	Capacitance Core Practical	Revision for Mocks
24-Nov	12	Revision for Mocks	Revision for Mocks



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1-Dec	13	Mock Exams	Mock Exams
8-Dec	14	Magnetic Fields and Motor Effect	Topic 6.3-4 Thermal Physics Internal energy and SHC
15-Dec	15	Feedback from Mock Exams	Feedback from Mock Exams
23-Dec	CHRISTMAS BREAK		
30-Dec			
5-Jan	16	Motion of charged particles in B field	SHC and Latent heat
12-Jan	17	Cyclotrons and Hall Effect	Experimental gas laws
19-Jan	18	Magnetic fields Core Practical	Ideal gas and Kinetic energy
26-Jan	19	Lenz's and Faraday's law	Thermal Core Practical
2-Feb	20	AC Generator	Topic 9 Turning Points Discovery of the Electron
9-Feb	21	Alternating current and power	Crossed beams and Fine beam method
17-Feb	HALF TERM		
23-Feb	22	Transformers and EM core Practical	Light and Electromagnetic waves
2-Mar	23	EM Core Practical	Wave particle duality and electron microscopes
9-Mar	24	Mock Exams	Mock Exams
16-Mar	25	Feedback from Mock Exams	Topic 9 Turning Points Special relativity
23-Mar	26		Special relativity
7-Apr	EASTER BREAK		
14-Apr			
13-Apr	27	Turning Points Revision	Practical skills revision
20-Apr	28	Revision	Revision
27-Apr	29	Revision	Revision



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4-May	30	Revision	Revision
11-May	31	Revision	Revision
18-May	32	Revision	Revision
26-May	HALF TERM		