Year 13 PHYSICS Revision Timetable

Pupil Name:

We will be asking you to revise different topics and sometimes the associated required practical. You SHOULD be making revision notes. Remember good revision involves doing something active, not just passively reading your notes or a website.

There are lots of activities you can do that will help you revise: make summary notes, produce a mind map, revision clock or flashcards, complete the Kerboodle text book practice papers, re-do the end of unit tests from year 1 or do past exam papers.

THE EXAMS – You will sit 3 papers:
PAPER 1: 85 marks, 2 hours, chapters 1-13, 17 & 18 **22 May am**
PAPER 2: 85 marks, 2 hours, chapters 1-27 **9 June am**
PAPER 3: 80 marks, 2 hours, astrophysics and practical skills **17 June am**

USEFUL RESOURCES
ItsLearning:
Within the Physics A level resources folder:
- *Year 1 & 2 end of unit tests and mark schemes*
- *Revision notes for every topic*
- *Study notes for all units*
- *Answers to the practice questions at the end of each chapter of your Kerboodle text book*
- *Past exam questions and answers grouped by topic*

Useful revision websites:
https://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408/assessment-resources (AQA past papers and mark schemes)
https://www.s-cool.co.uk/a-level/physics (notes and questions by topic)
https://www.brainscape.com/subjects/a-level-physics-aqa (flashcard questions + answers)
https://mathsmadeeasy.co.uk/a-level-physics-revision/ (revision notes, links and questions)
https://www.physicsandmathstutor.com/physics-revision/a-level-aqa/ (revision notes, links and questions)
https://www.physicstutoronline.co.uk/alevelphysics/alevel-physics-aqa/ (videos, notes, questions)
https://www.youtube.com/playlist?list=PLGvD8d3gDHUXLkGHQShzTVsr0TZB7It2y (short videos covering the whole of the course)
https://www.youtube.com/watch?v=T81dJorlyRY (revision video for required practicals)

Week wb	What to revise	Type of revision notes and testing?	Any problems? (questions to ask your teacher?)
1 24/02/25	Chapters 1 & 2 Measurement and errors		
2 03/03/25	Chapters 17 &18 Required practical 7		
3 10/03/25	Chapters 4 & 5 Required practicals 1 & 2		
4 17/03/25	Chapters 19 & 20 Required practical 8		
5 24/03/25	Chapters 6 & 7 Required practical 3		
6 31/03/25	Chapters 12 & 13 Required practicals 5 & 6		

7 07/04/25	Chapters 8, 9 & 10 Measurement and errors		
8 14/04/25	Chapters 26 & 27 Required practical 12		
9 21/04/25	Chapters 21, 22 &23 Required practical 9		
10 28/04/25	Chapters 3 & 11 Required practical 4		
11 05/05/25	Chapters 24 & 25 Required practicals 10 & 11		
12 12/05/25	Astrophyiscs		
13 19/05/25	Paper 1 topics		
14 26/05/25	Paper 2 topics		

REQUIRED PRACTICALS

1	Investigation into the variation of the frequency of stationary waves on a string with length, tension and mass per unit length of the string
2	Investigation of interference effects to include the Young's slit experiment and interference by a diffraction grating
3	Determination of g by a free-fall method
4	Determination of the Young modulus by a simple method
5	Determination of resistivity of a wire using a micrometer, ammeter and voltmeter
6	Investigation of the emf and internal resistance of electric cells and batteries by measuring the variation of the terminal pd of the cell with current in it
7	Investigation into simple harmonic motion using a mass-spring system and a simple pendulum
8	Investigation of Boyle's (constant temperature) law and Charles's (constant pressure) law for a gas
9	Investigation of the charge and discharge of capacitors. Analysis techniques should include log-linear plotting leading to a determination of the time constant RC
10	Investigate how the force on a wire varies with flux density, current and length of wire using a top pan balance
11	Investigate, using a search coil and oscilloscope, the effect on magnetic flux linkage of varying the angle between a search coil and magnetic field direction
12	Investigation of the inverse-square law for gamma radiation