



Y11 Learning Journey. Subject: Physics (Single Award) GCSE

Exam Requirements: Your GCSE n Physics is structured, and examined, in the following way: Physics (Single Award)

Paper One: 1 hour 45 minutes – 50% of your grade	Paper Two: 1 hour 45 minutes – 50% of your grade
<ul style="list-style-type: none"> • Energy (topic 1) • Electricity (topic 2) • Particle nature of matter (topic 3) • Atomic Structure (topic 4) 	<ul style="list-style-type: none"> • Forces (topic 5) • Waves (topic 6) • Magnetism and Electromagnetism (topic 7) • Space Physics (topic 8 – Triple award only)

Overview of the Year:

Week Beginning	The focus of your learning or revision this week:	Key assessment pieces or specific homework tasks (including deadlines of any coursework/NEAs)
05/09/22	P7.1 – Atoms and radiation and P7.4 – Alpha, Beta and Gamma	
12/09/22	P7.2 – The discovery of the Nucleus and P7.3 – Changes in the Nucleus	
19/09/22	P7.5 – Activity and Half Life and P7.6 – Nuclear Radiation in Medicine	
26/09/22	P7.7 – Nuclear Fission (Separate Sciences: Physics only) and P7.8 – Nuclear Fusion (Separate Sciences: Physics only)	
03/10/22	End of Topic 4 test + feedback	
10/10/22	P16.1 – Formation of the Solar System and P16.2 The history of a Star (Separate Sciences: Physics only)	
17/10/22	P16.3 – Planets, satellites and orbits and P16.4 - The expanding universe (Separate Sciences: Physics only) P16.5 – The beginning and future of the Universe (Separate Sciences: Physics only)	
Half Term		
31/10/22	Space and Nuclear Radiation end of topic test	
07/11/22	Space and Nuclear Radiation test feedback and coaching	
14/11/22	P14.1 - Reflection of Light (Separate Sciences: Physics only) and P14.2 Refraction of Light (Separate Sciences: Physics only)	
21/11/22	P14.3 – Light and Colour (Separate Sciences: Physics only) and P14.4 Lenses (Separate Sciences: Physics only)	
28/11/22	<i>Revision for Assessment Week 1</i>	
05/12/22	Assessment Week One	
12/12/22	P14.5 – Using Lenses (Separate Sciences: Physics only) and catch-up/consolidation	

19/12/22	End of Topic 6 (part 2) test and feedback	
Christmas Break		
09/01/23	P8.4 – Moments at work (Separate Sciences: Physics only), P8.5 – More on Levers and gears (Separate Sciences: Physics only) and P8.7 – Moments and Equilibrium (Separate Sciences: Physics only)	
16/01/23	P8.8 – The Parallelogram of forces (Separate Sciences: Physics only) (Higher Tier Only) and P8.9 Resolution of Forces (Higher Tier Only but still taught to combined science)	
23/01/23	P10.4 – Momentum (Higher Tier Only but still taught to combined science) and P10.5 – Using conservation of Momentum (Separate Sciences: Physics only) (Higher Tier Only))	
30/01/23	P8.4 – Moments at work (Separate Sciences: Physics only), P8.5 – More on Levers and gears (Separate Sciences: Physics only) and P8.7 – Moments and Equilibrium (Separate Sciences: Physics only)	
06/02/23	P8.8 – The Parallelogram of forces (Separate Sciences: Physics only) (Higher Tier Only) and P8.9 Resolution of Forces (Higher Tier Only but still taught to combined science)	
Half Term		
20/02/23	<i>Revision for Assessment Week 2</i>	
27/02/23		
Assessment Week Two		
06/03/23	Mechanics and Pressure End of topic test + feedback	
13/03/23		
20/03/23	P6.6 – Gas Pressure and Temperature	
27/03/23	Required Practical 5	
03/04/23	P6.4 and P6.5– Internal Energy and Specific Latent Heat (+ Specific Heat Capacity recap)	
Easter Break		
24/04/23	Revision for GCSE	
01/05/23		
08/05/23		
15/05/23	Provisional start to the GCSE Exams	

<p>Exam Practice:</p> <p>You can find past papers to help support your revision and develop your exam technique here:</p> <ul style="list-style-type: none">• www.Physicsandmathstutor.com	<p>Revision Materials:</p> <p>We advise that you use the following revision materials:</p> <p>Please refer to “the one document” revision resource for all revision needs. This can be found in the following area in the shared G drive;</p> <p>G:\Science\Home learning physics\GCSE additional resources</p>
<p><u>Glossaries:</u></p> <p>Vocabulary lists to support your revision can be found here:</p> <p>Subject specific vocabulary (aga.org.uk) – for science specific vocabulary</p> <p>Physics Glossary AQA GCSE Flashcards Quizlet – quizlet with flashcards on physics specific key terms</p>	<p><u>Advice and Guidance for Revision</u></p> <p>Include any other helpful tips, guidance or advice about how to approach revision in your subject here:</p> <ul style="list-style-type: none">• revise short and often – maximum 45 mins to an hour at a time (unless doing a past paper) once or twice a week• PAST PAPERS ARE KEY – these are the best way to revise• Ask your teachers for resources and revision help (or watch the lesson videos in the one document resource)• Mr Pinder runs revision classes every Thursday after school – these are well worth turning up to!