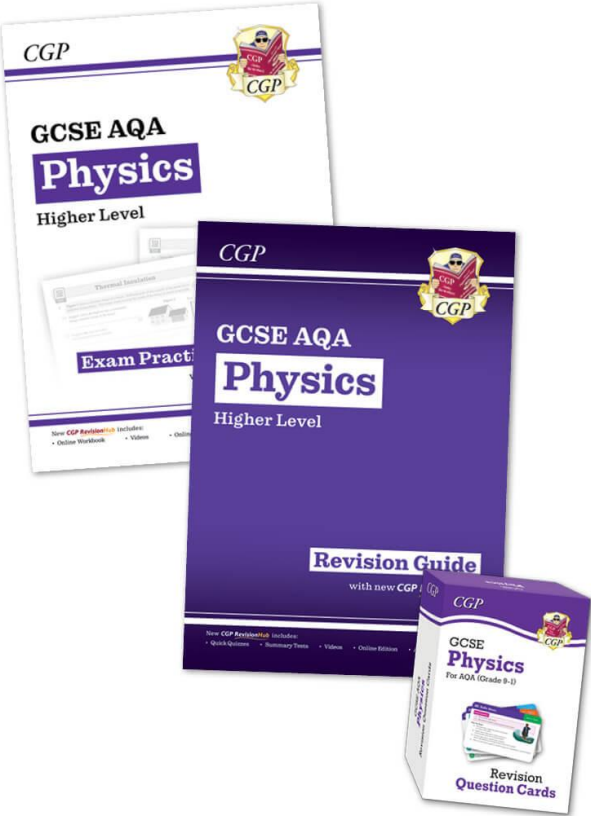
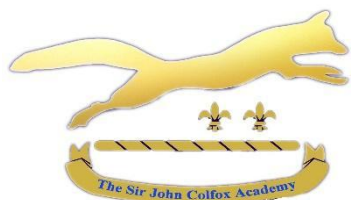


Exam Board	Recommended revision guide	Support available in school
AQA	 <p>CGP GCSE Physics Higher Level</p>	<p>Science support drop in sessions Monday lunchtimes, Mrs Neill A201  Biology drop in sessions Monday lunchtimes, Miss Toralbo A204  Chemistry drop in sessions Tuesday lunchtimes, Dr Sharma A203  Physics drop in sessions Wednesday lunchtimes, Ms David A209  Biology drop in sessions Thursday lunchtimes, Mr Wilson A205  Physics drop in sessions Friday lunchtimes, Mr Bugler A202  Revision after school Wednesday 3.30-4.15pm, everyone welcome.  Rooms and topics to be announced.  Revision guides, quiz cards and workbooks available in the library</p>



# GCSE Physics (Separate) Higher

# Revision Schedule 2025

Useful online resources	Exam date(s)
<p>Physics and maths tutor - <a href="https://www.physicsandmathstutor.com">https://www.physicsandmathstutor.com</a> – all past paper exam questions for all the sciences</p> <p>Seneca learning <a href="https://senecalarning.com/en-GB/">https://senecalarning.com/en-GB/</a> interactive revision, ask your teacher if you can't login</p> <p>Free science lessons <a href="https://www.freesciencelessons.co.uk/">https://www.freesciencelessons.co.uk/</a></p> <p>Cognito <a href="https://cognitoedu.org/home">https://cognitoedu.org/home</a></p> <p>Primrose Kitten revision videos and exam paper walk-throughs <a href="https://www.primrosekitten.com/">https://www.primrosekitten.com/</a></p> <p>Kerboodle.com – interactive versions of the textbooks we use in class, ask your teacher if you do not know how to log in</p> <p>GCSE Physics online <a href="http://www.gcsephysicsonline.com">http://www.gcsephysicsonline.com</a></p> <p>Physics with Keith <a href="https://www.youtube.com/c/physicswithkeith">https://www.youtube.com/c/physicswithkeith</a></p>	<p>Biology Paper 1: Tuesday 13th May</p> <p>Chemistry Paper 1: Monday 19th May</p> <p>Physics Paper 1: Thursday 22nd May</p> <p>Biology Paper 2: Monday 9th June</p> <p>Chemistry Paper 2: Friday 13th June</p> <p>Physics Paper 2: Monday 16th June</p>
<b>September</b>	

Week beginning...	Topic	Content to revise	Complete (tick)	Weeks left
<b>November</b>				
<b>January</b>				
<b>Monday 6<sup>th</sup></b>	Energy	Watch BBC Bitesize video on energy transfers - Create a mind map illustrating different stores of energy and their conversions - Solve practice problems involving energy calculations (e.g., kinetic energy, gravitational potential energy) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-A%2FEnergy%20Change%20in%20a%20System%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-A%2FEnergy%20Change%20in%20a%20System%20QP.pdf</a>		17
<b>Monday 13<sup>th</sup></b>	Electricity	Draw and label a series and parallel circuit diagram - Revise and summarise the dangers of electricity - Use a simulation (like PhET Interactive Simulations) to investigate the effect of changing resistance on current <a href="https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_all.html">https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_all.html</a>		16
<b>Monday 20<sup>th</sup></b>	Particles Model of matter	Revise and explain the three states of matter and their particle arrangements - Create a diagram illustrating the changes of state and the energy involved - Investigate the diffusion of gases using household items		15
<b>Monday 27<sup>th</sup></b>	Atomic structure	Revise the structure of an atom (protons, neutrons, electrons) - Learn about isotopes and their properties - Create a timeline of the development of the atomic model and practice 6 mark questions on the different atomic models e.g. Plum pudding, Rutherford model, nuclear model 1) <a href="https://www.youtube.com/watch?v=VeXpMijpazE&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=34">https://www.youtube.com/watch?v=VeXpMijpazE&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=34</a> 2) <a href="https://www.youtube.com/watch?v=zXw2cOSBB8E&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=36">https://www.youtube.com/watch?v=zXw2cOSBB8E&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=36</a> 3) <a href="https://www.youtube.com/watch?v=Q8y4x5EEIm8&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=32">https://www.youtube.com/watch?v=Q8y4x5EEIm8&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=32</a>		14
<b>February</b>				
<b>Monday 3<sup>rd</sup> (Mock week 1)</b>	Forces and motion	Watch a video on Newton's Laws of Motion <a href="https://www.youtube.com/watch?v=i5PtaCJJFjw&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=57">https://www.youtube.com/watch?v=i5PtaCJJFjw&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=57</a> - Solve problems involving speed, velocity, and acceleration - Investigate the effect of friction on the motion of an object		13
<b>Monday 10<sup>th</sup> (Mock week 2)</b>	Waves	Revise the properties of waves (amplitude, wavelength, frequency) - Investigate the reflection and refraction of light using a ray box - Learn about the electromagnetic spectrum and its applications		12

		<a href="https://www.youtube.com/watch?v=WDBtOeXUdWQ&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=63">https://www.youtube.com/watch?v=WDBtOeXUdWQ&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=63</a>		
<b>Monday 17<sup>th</sup></b>	Magnetism and Electromagnetism	Experiment with magnets to investigate magnetic fields - Build a simple electromagnet - Research the applications of electromagnetism (e.g. motors, generators) 1) <a href="https://www.youtube.com/watch?v=3elpPfyHV0E&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=77">https://www.youtube.com/watch?v=3elpPfyHV0E&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=77</a> 2) <a href="https://www.youtube.com/watch?v=bOZ2Hk2hKLE&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=78">https://www.youtube.com/watch?v=bOZ2Hk2hKLE&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=78</a> 3) <a href="https://www.youtube.com/watch?v=ltpPhpi-CC4&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=80">https://www.youtube.com/watch?v=ltpPhpi-CC4&amp;list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&amp;index=80</a>		11
<b>Monday 24<sup>th</sup></b>	Space	Make a poster of the formation and evolution of the solar system - Learn about the life cycle of stars - Investigate the effects of gravity on objects in space. Complete 6 mark question on the life cycle of a massive and/or average star.		10
<b>March</b>				
<b>Monday 3<sup>rd</sup></b>	Energy	Complete a practice questions on energy calculations <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-B%2FEnergy%20(H)%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-B%2FEnergy%20(H)%20QP.pdf</a> Test yourself on key terms and definitions related to energy <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FNotes%2FAQA%2F1-Energy%2FDefinitions.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FNotes%2FAQA%2F1-Energy%2FDefinitions.pdf</a> - Identify and review any areas where you need further clarification		9
<b>Monday 10<sup>th</sup></b>	Electricity	Redraw circuit diagrams from memory including all the circuit symbols - Answer questions on electrical circuits <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F2-Electricity%2FSet-B%2FElectronics%20(H)%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F2-Electricity%2FSet-B%2FElectronics%20(H)%20QP.pdf</a> - Practice a 6 mark question on the required practical measuring resistance		8
<b>Monday 17<sup>th</sup></b>	Particles of Matter	Explain the processes of evaporation and condensation - Create a concept map linking the states of matter and their properties - Practice exam questions on the topic <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F3-Particle-Model-of-Matter%2FSet-B%2FParticle%20Model%20of%20Matter%20(H)%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F3-Particle-Model-of-Matter%2FSet-B%2FParticle%20Model%20of%20Matter%20(H)%20QP.pdf</a>		7

<b>Monday 24<sup>th</sup></b>	Atomic structure	Practice drawing and labeling diagrams of atoms - Answer questions on isotopes and relative atomic mass. Practice exam questions <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F4-Atomic-Structure%2FSet-B%2FAtomic%20Structure%20(H)%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F4-Atomic-Structure%2FSet-B%2FAtomic%20Structure%20(H)%20QP.pdf</a>		6
<b>Monday 31<sup>st</sup></b>	Forces and motion	Solve past paper questions on forces and motion calculations - Create flashcards for key formulas (e.g., $F=ma$ , $v=d/t$ ) and ensure that you know how to apply them <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F5-Forces%2FSet-B%2FForces%20(H)%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F5-Forces%2FSet-B%2FForces%20(H)%20QP.pdf</a>		5
<b>April</b>				
<b>Monday 7<sup>th</sup></b>	Waves	Summarise the key properties of different types of waves (e.g., sound waves, light waves) - Practice drawing wave diagrams and correctly label each part and identify any equations linked. Practice questions <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F6-Waves%2FSet-B%2FWaves%20(H)%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F6-Waves%2FSet-B%2FWaves%20(H)%20QP.pdf</a>		4
<b>Monday 14<sup>th</sup></b>	Magnetism and Electromagnetism	Explain how an electromagnet works - Revise real-world applications of electromagnetism. Ensure that you understand the left hand rule and how to apply. Practice questions <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F7-Magnetism-and-Electromagnetism%2FSet-B%2FMagnetism%20and%20Electromagnetism%20(H)%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F7-Magnetism-and-Electromagnetism%2FSet-B%2FMagnetism%20and%20Electromagnetism%20(H)%20QP.pdf</a>		3
<b>Monday 21<sup>st</sup></b>	Space	Create a timeline of the formation of a star - explain red shift and describe all of the evidence for the big bang. Practice exam questions <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F8-Space-Physics%2FSet-B%2FSpace%20Physics%20(H)%20QP%20(separate%20only).pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F8-Space-Physics%2FSet-B%2FSpace%20Physics%20(H)%20QP%20(separate%20only).pdf</a>		2
<b>Monday 28<sup>th</sup></b>	Paper 1 Practice	Complete a full practice paper for Paper 1 - Analyse your performance and identify areas for improvement <a href="https://www.physicsandmathstutor.com/past-papers/gcse-physics/aqa-paper-1/">https://www.physicsandmathstutor.com/past-papers/gcse-physics/aqa-paper-1/</a>		1
<b>May</b>				

<b>Monday 5<sup>th</sup></b>	Paper 2 Practice	Complete a full practice paper for Paper 2 - Analyse your performance and identify areas for improvement <a href="https://www.physicsandmathstutor.com/past-papers/gcse-physics/aqa-paper-2/">https://www.physicsandmathstutor.com/past-papers/gcse-physics/aqa-paper-2/</a>		0
<b>Monday 12<sup>th</sup></b>	Energy and Electricity	Answer a mixed set of questions on energy and electricity - Identify and review any areas of confusion and discuss with your teacher 1) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-A%2FChanges%20in%20Energy%201%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-A%2FChanges%20in%20Energy%201%20QP.pdf</a> 2) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-A%2FEfficiency%201%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F1-Energy%2FSet-A%2FEfficiency%201%20QP.pdf</a>		0
<b>Monday 19<sup>th</sup></b>	Particle model & Atomic structure	Answer a mixed set of questions on the particle model and atomic structure 1) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F3-Particle-Model-of-Matter%2FSet-A%2FInternal%20Energy%201%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F3-Particle-Model-of-Matter%2FSet-A%2FInternal%20Energy%201%20QP.pdf</a> 2) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F4-Atomic-Structure%2FSet-A%2FAtoms%20%26%20Nuclear%20Radiation%201%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F4-Atomic-Structure%2FSet-A%2FAtoms%20%26%20Nuclear%20Radiation%201%20QP.pdf</a>		0
<b>Monday 26<sup>th</sup></b>	Forces and Waves	Answer a mixed set of questions on forces and waves - Identify and review any areas of confusion 1) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F5-Forces%2FSet-A%2FForces%20%26%20Braking%201%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F5-Forces%2FSet-A%2FForces%20%26%20Braking%201%20QP.pdf</a> 2) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F6-Waves%2FSet-A%2FWaves%201%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F6-Waves%2FSet-A%2FWaves%201%20QP.pdf</a>		0
<b>June</b>				
<b>Monday 2<sup>nd</sup></b>	Magnetism and Space	Answer a mixed set of questions on magnetism and space physics - Create a summary sheet of key concepts 1) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2</a>		0

		<a href="https://www.physicsandmathstutor.com/pdf-download/Physics%20GCSE%20Topic-Qs%20FAQA%207-Magnetism-and-Electromagnetism%20Set-A%20Motor%20Effect%201%20QP.pdf">Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F7-Magnetism-and-Electromagnetism%2FSet-A%2FMotor%20Effect%201%20QP.pdf</a> 2) <a href="https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F8-Space-Physics%2FSet-A%2FRed%20Shift%201%20QP.pdf">https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F8-Space-Physics%2FSet-A%2FRed%20Shift%201%20QP.pdf</a>		
<b>Monday 9<sup>th</sup></b>	General review	Review all key concepts from both papers - Create a list of common misconceptions and how to avoid them - practice more past paper questions from paper 2		0
<b>Monday 16<sup>th</sup></b>	Paper 2 Prep	Physics paper 2 Monday 16 <sup>th</sup> June		0