

Exam Board	Recommended revision guide	Support available in school
AQA		Revision support available on a Wednesday lunchtime in A203. After school revision sessions every Wednesday in A203. The Learning checklists are on Teams, please ask if you would like a paper copy.



Physics Separate

Revision Schedule 2024



Useful online resources	Exam date(s)
https://www.physicsandmathstutor.com – all past paper exam questions Seneca learning – http://www.senecalearning.com – interactive revision Dr de Bruin's Classroom – tps://www.youtube.com/watch?v=u-MPyxVx53k GCSE Science https://www.gcsephysicsonline.com/aqa Cognito https://cognitoedu.org/home Free science lessons https://www.freesciencelessons.co.uk/gcse-physics-paper-1/ How to do (almost) ANY electricity question https://www.youtube.com/watch?v=R-Zif90fkME	Paper 1 (1hr 45 mins) 22nd of May. Paper 2 (1hr 45 mins) 14th of June.

January

Week beginning...	Topic	Content to revise	Assessment	Knowledge test score	Weeks left
Monday 8th	Forces	4.5.3 Moments, levers and gears, 4.5.5 Pressure and 4.5.6 Forces and motion Watch the following videos (around 20 minutes in total) - https://www.youtube.com/watch?v=kk6T0m9wmnU&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=48 - https://www.youtube.com/watch?v=0P3b8bWqAk&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=49 - https://www.youtube.com/watch?v=s8C2RktZtbM&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=51 - https://www.youtube.com/watch?v=b0VKIpetP9A&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=55 - https://www.youtube.com/watch?v=F8DnNqBhUfQ&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=60 -	Complete 10 minute quiz on forces		18
Monday 15th	Waves	Required practical 9 – investigate the reflection of light by different types of surface and the refraction of light by different substance - Watch https://www.youtube.com/watch?v=2fN_jvf4fw8 and answer the six mark questions on the required practical - Section 4.6.1 create revision cards on the key terms from this section	6 mark questions and revision cards		17
Monday 22nd	Electromagnetism	4.7.1 Permanent and induced magnetism and 4.7.2 The motor effect - Watch this video on induced magnets and motors https://www.youtube.com/watch?v=bOZ2Hk2hKLE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=78 - https://www.youtube.com/watch?v=evWpDrRAYCc&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=81 - https://www.youtube.com/watch?v=pkzY7QfTowM&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=82 -	Summary sheet on the induced magnets and motors		16
Monday 29th	Mock exams	Use this video to complete general Paper 2 revision (Remember there will be no Space in your exam) https://www.youtube.com/watch?v=GzvEwOszyoM	Revision notes		15
February					

Monday 5th	Mock exams	Complete a past paper as revision and access the mark scheme https://pmt.physicsandmathstutor.com/download/Physics/GCSE/Past-Papers/AQA/Paper-2F/QP/June%202022%20QP.PDF https://pmt.physicsandmathstutor.com/download/Physics/GCSE/Past-Papers/AQA/Paper-2F/MS/June%202022%20MS.PDF	Completed 2022 past paper		14
Monday 12th	Energy	4.1.1 Energy changes in a system, and the ways energy is stored before and after such changes Using the checklist – work your way through the 12 points that you need to know and ensure that you are going over any section that you are uncertain. Use the following resources to help you: - https://www.gcsephysicsonline.com/aqa-energy	Teams quiz		13
Monday 19th	Energy	4.1.2 Conservation and dissipation of energy, 4.1.3 National and global energy resources Use your revision guide to go over the following facts: - State that energy can be transferred usefully, stored or dissipated, but cannot be? - Describe ways of reducing unwanted energy transfers and the relationship with thermal conductivity - Go over required practical 2 – investigate the effectiveness of different materials as thermal insulators - Be able to apply the efficiency equation - List the non-renewable and renewable energy resources and define - Explain how different energy resources are more reliable than others - Justify the use of energy resources including ethical, moral and environmental issues that may arise.	Create 10-15 revision cards		12
Monday 20th	Electricity	4.2.1 Current, p.d and resistance, 4.2.2. Series and parallel circuits and 4.2.5 Static electricity Revisit the following topics to create a summary sheet: - https://www.gcsephysicsonline.com/aqa-electricity - https://www.youtube.com/watch?v=CEBfn4ndQWI&list=PL9IouNCPbCxXc2NQoIZN7-3jIKN7vW-Sq Watch videos 1-15 - https://www.youtube.com/watch?v=St_KzxJqUGA	Answer GCSE electricity questions		11
March					

Monday 4th	Electricity	4.2.3 Domestic uses and safety, 4.2.4 Energy transfers Watch the following: - https://www.youtube.com/watch?v=VTAFjhO1HNo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=20 - https://www.youtube.com/watch?v=EY_EphcrpDI&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=21 - https://www.youtube.com/watch?v=2g8SusMrX_o&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=22 - https://www.youtube.com/watch?v=_v4ugAwV59U&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=25	Teams quiz		10
Monday 11th	Particles	4.3.1 Changes of state and the particle model, 4.3.2 Internal energy and energy transfers Use the following: - Watch these https://www.gcsephysicsonline.com/aqa-particles - Answer the first 5 questions 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%2520Model%2520of%2520Matter%2520(H)%2520QP.pdf	Completed GCSE questions on Particles topic from 2018-2021		9
Monday 18th	Particles	4.3.3 Particle model and pressure - Watch these https://www.youtube.com/watch?v=9PwzPDJ7GYc&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=30 - https://www.youtube.com/watch?v=-TjKWzZrDGk&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=31 - Complete 5 more questions from these revision questions 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%2520Model%2520of%2520Matter%2520(H)%2520QP.pdf	Teams quiz		8
Monday 25th	Atomic structure	4.4.1 Atoms and isotopes, 4.4.2 Atoms and nuclear radiation	Teams quiz		7
April					

Monday 1st	Atomic structure	4.4.3 Hazards and uses of radioactive emissions and of background radiation			6
Monday 8th	Required practical's for Paper 1	Go through the videos and make a summary page on the required practical's - https://www.youtube.com/watch?v=I92revKtZlY&list=PLIDtVvefFYT-VCaqiMrs6VAXpJUcAx2Na - https://www.gcsephysicsonline.com/aqa-practicals	Summary page		5
Monday 15th	Forces	4.5.1 Forces and their interactions, 4.5.2 Work done and energy Watch videos 41-48 https://www.youtube.com/watch?v=WCPTKRascgE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=41	10 minute test		4
Monday 22nd	Forces	4.5.6 Forces in motion Watch videos 52-61 https://www.youtube.com/watch?v=QaU9jMHh7gE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=52 Choose a few questions from the following to complete and bring to class: - https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F5-Forces%2FSet-A%2FMomentum%25201%2520QP.pdf - https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F5-Forces%2FSet-A%2FNewton%27s%2520Second%2520Law%25203%2520QP.pdf -	Complete exam questions		3
Monday 29th	Waves	4.6.1 Waves in air, fluids and solids Create revision cards of the keywords from this section using the following to help you: - https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/waves/ -	Revision cards of keywords		2

May

Monday 6th	Waves	4.6.2 Electromagnetic waves Watch videos 65-69 https://www.youtube.com/watch?v=7v2gs8rdQzU&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=65 Complete https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FTopic-Qs%2FAQA%2F6-Waves%2FSet-A%2FElectromagnetic%2520Waves%25202%2520QP.pdf	Completed exam questions		1
Monday 13th	Electromagnetism	Watch the following videos 77-84 https://www.youtube.com/watch?v=3elpPfyHV0E&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=77 Complete past paper questions on this topic https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/magnetism-and-electromagnetism/			0
Monday 20th	Paper 1	Paper 1 general revision – exam on Wednesday 22nd of May https://www.physicsandmathstutor.com/pdf-pages/?pdf=https%3A%2F%2Fpmt.physicsandmathstutor.com%2Fdownload%2FPhysics%2FGCSE%2FPast-Papers%2FAQA%2FPaper-1F%2FQP%2FJune%25202018%2520QP.pdf	Summary page with diagrams		3 weeks until paper 2
Monday 27th	Space	4.8.1 Solar system; stability of orbital motions; satellites and 4.8.2 Red shift To do: - List the types of body that make up the solar system and describe our solar system as part of a galaxy. - Explain how stars are formed - Describe the life cycle of a star - Explain how fusion leads to the formation of new elements and how supernovas have allowed heavy elements to appear - Explain that, for circular orbits, the force of gravity leads to a constantly changing velocity but unchanged speed - Explain that the red-shift of light from galaxies that are receding and how this red-shift changes with distance from Earth - Explain why the change of each galaxy's speed with distance is evidence of an expanding universe Explain how scientists are able to use observations to arrive at theories, such as the Big Bang theory			2 weeks until paper 2

June

June							
Monday 3rd	Paper 2	General paper 2 revision Use www.physicsandmathstutor.com to practice past paper questions and mark using the mark schemes available			1 week until paper 2		
Monday 10th	Paper 2 Required practical's	General paper 2 revision – Paper 2 Friday 14th June			0		