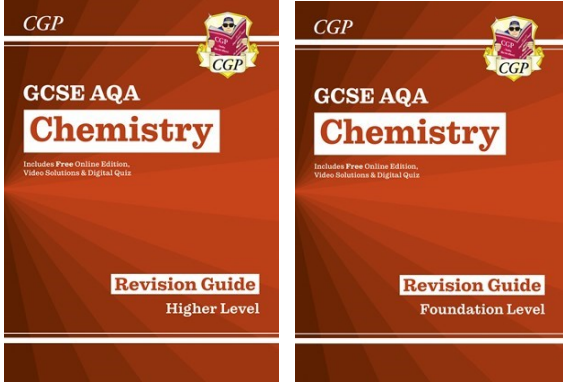


Science (Triple Chemistry)

Exam Board	Recommended Revision Guide	Support Available at QE
AQA		Revision after school Tuesday E207 or Friday E201
Useful online resources		Exam date/s
<p>BBC bitesize (revision website): https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb</p> <p>StudyMind (exam Questions by topic) - https://studymind.co.uk/resource/aqa-chemistry/</p> <p>FreeScience lessons (Science Videos) - https://www.youtube.com/results?search_query=free+science+lessons</p> <p>Seneca - https://senecalarning.com/en-GB/ - make sure to select the AQA GCSE Combined Science course</p> <p>AQA Exam Papers - https://www.aqa.org.uk/find-past-papers-and-mark-schemes</p>		Biology Paper 1: 10 th May Chemistry Paper 1: 17 th May Physics Paper 1: 22 nd May Biology Paper 2: 7 th June Chemistry Paper 2: 11 th June Physics Paper 2: 14 th June
Week beginning	Topic / Content to revise	Completed / RAG rate
26th February 10 weeks to go	C1 - Atomic Structure - Atom structure and history. History of the periodic table. Groups in the periodic table (1, 7, 0 and transition metals)	
4th March 9 weeks to go	C2 - Structure and Bonding Ionic bonding and properties of ionic compounds, covalent bonding and properties of simple covalent molecules. Giant covalent structures (diamond/graphite). Polymers and nanoscience and Fullerenes. Metallic bonding. Nanoparticles.	
11th March 8 weeks to go	C3 - Quantitative Chemistry (calculations) Conservation of mass. RFM, Uncertainty in measurements. Moles, limiting reactants, atom economy and yield. Concentration of solutions and volumes of gas.	
18th March 7 weeks to go	C4 - Chemical Changes Reactivity of metals (reactivity series, displacement and extraction). Acids and alkali's	

	(neutralisation, reactions, making salts). Titrations. Strong and weak acids. Electrolysis (molten compounds and aqueous solutions).	
25th March 6 weeks to go	C5 - Energy changes Exothermic and endothermic (energy profile diagrams). Chemical cells and fuel cells.	
1st April 5 weeks to go	C6 - Rate and Extent of reactions Factors affecting rate, Catalysts, Experiments and reversible reactions and their energy changes. Equilibrium and changing conditions.	
8th April 4 weeks to go	C7 - Organic Chemistry Crude oil formation, alkanes, fractional distillation, cracking and alkenes. Reactions of alkenes, alcohols, carboxylic acids and esters. Polymers, amino acids and DNA	
15th April 3 weeks to go	C8 - Chemical Analysis Pure substances & formulations, chromatography and gas tests. Positive and negative ions tests. Instrumental methods and flame emission spectroscopy.	
22nd April 2 weeks to go	C9 - Atmospheric Chemistry Current Atmosphere and development of the atmosphere. Global warming and climate change. Carbon footprint and pollution	
29th April 1 week to go	C10 - Using Resources Sustainable development and resources, potable water, waste water treatment and LCA's, reducing waste. Corrosion, alloys, ceramics, composites and polymers. Fertilisers.	
6th May 0 weeks to go	Past Papers	
13th May	Past Papers	
20th May	Revisiting any topics you are weak on.	