



TRIPLE SCIENCE GCSE-SUMMER 2022- STUDENT STUDY SUPPORT

AQA GCSE (9-1)	Link to download specification
Biology - Triple Science	https://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF
Chemistry - Triple Science	https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF
Physics - Triple Science	https://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF

AQA 9-1 Separate Science	
<p>What is AQA Separate Science?</p> <p>This course is worth three GCSEs. The three disciplines (biology, chemistry, and physics) are taught separately and each worth one GCSE grade.</p>	
Specification links	<p>Biology: https://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF</p> <p>Chemistry: https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF</p> <p>Physics: https://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF</p>
Topics	<p>Biology:</p> <ol style="list-style-type: none">1. Cell biology2. Organisation3. Infection and response4. Bioenergetics5. Homeostasis and response6. Inheritance, variation and evolution7. Ecology <p>Chemistry:</p> <ol style="list-style-type: none">1. Atomic structure and periodic table2. Bonding, structure and the properties of matter3. Quantitative chemistry4. Chemical changes5. Energy changes



	<ol style="list-style-type: none">6. The rate and extent of chemical change7. Organic chemistry8. Chemical analysis9. Chemistry of the atmosphere10. Using resources <p>Physics:</p> <ol style="list-style-type: none">1. Energy2. Electricity3. Particle model of matter4. Atomic structure5. Forces6. Waves7. Magnetism and electromagnetism8. Space physics
Exams	There will be two 1 hour and 45 minutes exams in each discipline (a total of six exams). Information about each paper is below:

BIOLOGY:

Paper 1	+	Paper 2
What's assessed Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.		What's assessed Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.
How it's assessed <ul style="list-style-type: none">• Written exam: 1 hour 45 minutes• Foundation and Higher Tier• 100 marks• 50 % of GCSE		How it's assessed <ul style="list-style-type: none">• Written exam: 1 hour 45 minutes• Foundation and Higher Tier• 100 marks• 50 % of GCSE
Questions Multiple choice, structured, closed short answer and open response.		Questions Multiple choice, structured, closed short answer and open response.



CHEMISTRY:

Paper 1:

What's assessed

Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

Multiple choice, structured, closed short answer and open response.

Paper 2:

What's assessed

Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

Questions in Paper 2 may draw on fundamental concepts and principles from sections 4.1 to 4.3.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

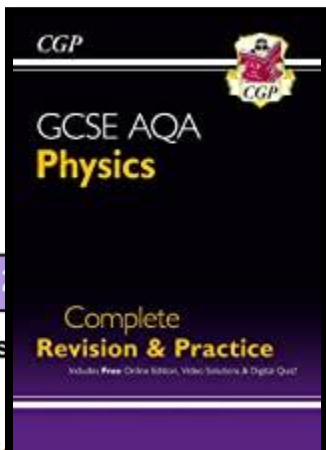
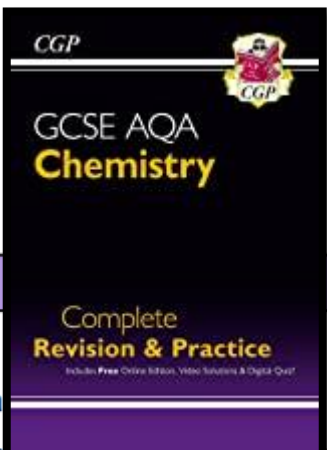

Questions

Multiple choice, structured, closed short answer and open response.

PHYSICS:

Paper 1:
What's assessed Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.
How it's assessed <ul style="list-style-type: none"> Written exam: 1 hour 45 minutes Foundation and Higher Tier 100 marks 50% of GCSE
Questions <ul style="list-style-type: none"> Multiple choice, structured, closed short answer and open response.

The page numbers below refer to the AQA Physics specification.

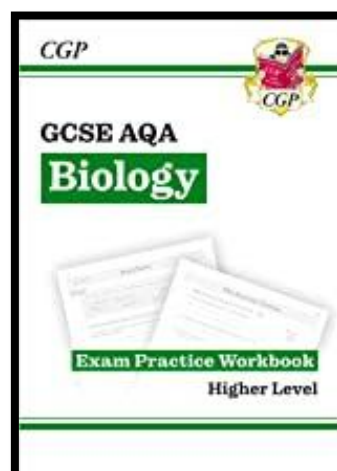
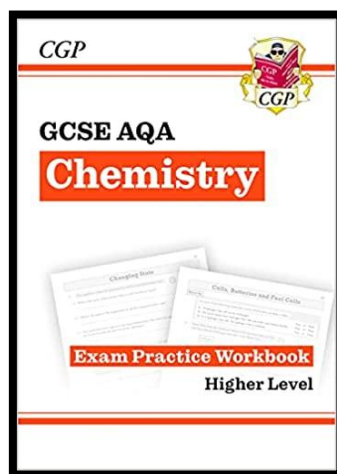
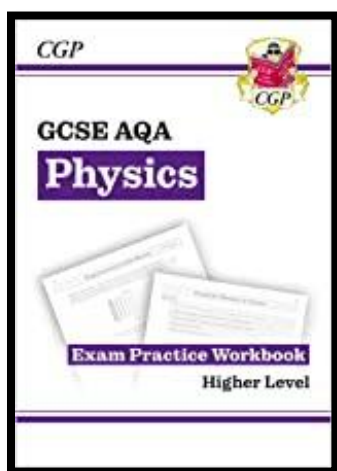
Paper 2:	GCSE AQA Physics	GCSE AQA Chemistry	GCSE AQA Biology
What's assessed Topics 5-8: Magnetism and electromagnetism; and Energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from Energy (page 17) and Electricity (page 23).			
How it's assessed <ul style="list-style-type: none"> Written exam: 1 hour 45 minutes Foundation and Higher Tier 100 marks 50% of GCSE 			
Questions <ul style="list-style-type: none"> Multiple choice, structured, closed short answer and open response. 			



Resource	What is it?	Website
Tassomai	This is an online app that is personal to each student. Each child has been provided with a Tassomai log in and is expected to complete their 'Daily Goal' four times a week minimum as their homework.	https://www.tassomai.com/
Youtube – Cognito	Short online videos for all sections of the GCSE specification as well as revision advice.	https://www.youtube.com/c/Cognitoedu/videos
Physics and Maths Tutor	A website that provides past papers and revision resources for biology, chemistry and physics.	https://www.physicsandmathstutor.com/
CGP AQA Revision Guides	Revision content for all GCSE topics. Each discipline has a separate revision guide.	Each CGP revision guide is available on Amazon as well as the CGP website. Other forms of revision resources are available on the website such as revision cards and workbooks. https://www.cgpbooks.co.uk/secondary-books/gcse/science
GCSE Bitesize	Revision materials and quizzes.	https://www.bbc.co.uk/bitesize There are links on the website specifically for GCSE science.
Exercise Books	Class exercise books contain tasks and notes from science lessons and will be very useful alongside the revision guides.	N/A



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Examples of revision guides and practice workbooks available to order online



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