



What does the exam structure look like?



General information: Exam board is AQA

Triple science

Three separate GCSEs

Biology - 8461

Chemistry - 8462

Physics - 8463

Each subject is broken down and assessed over two papers, worth 100 marks each. Paper 1 and paper 2 are both 1 hour and 45 mins long.

Trilogy science - known as double award

Two GCSEs - 8464

Biology

Chemistry

Physics

Each subject is broken down and assessed over two papers, worth 70 marks each.

Paper 1 and paper 2 are both 1 hour 15 mins long.



What does the exam structure look like?



Assessment objectives

The exams will measure how students have achieved the following assessment objectives[†].

AO1: Demonstrate knowledge and understanding of:

40% 1) scientific ideas

2) scientific techniques and procedures.

AO2: Apply knowledge and understanding of:

40% 1) scientific ideas

2) scientific enquiry, techniques and procedures.

AO3: Analyse information and ideas to:

20% 1a) interpret

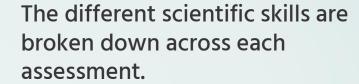
1b) evaluate

2a) make judgements

2b) draw conclusions

3a) develop experimental procedures

3b) improve experimental procedures.

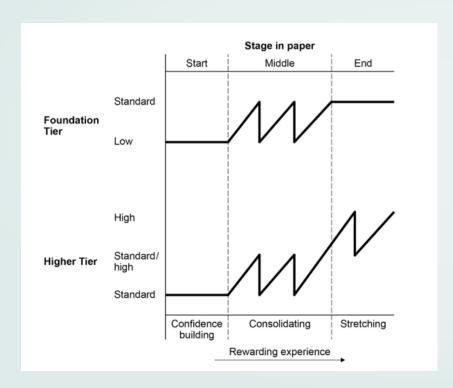


Teachers, alongside students and parents, make decisions about Higher and Foundation Tiers of entry by February 2025.

Foundation - grade 1-5 Higher - grade 4-9

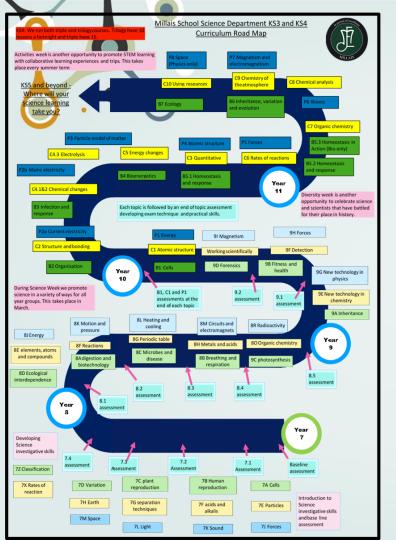


What does the exam structure look like?



Exams are designed to increase in challenge as you move through the paper.

The first questions are there to build confidence in the process. Every questions gets harder and then the next questions starts at a more accessible level.



What assessment do students do in preparation for the exams?

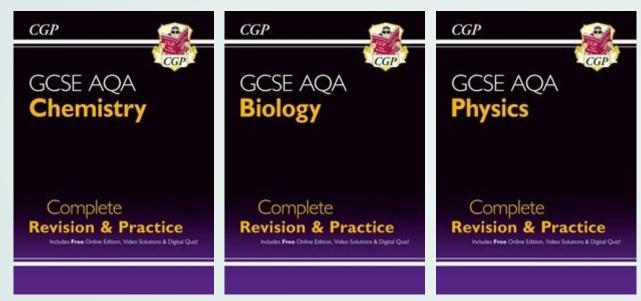
Students complete regular end of topic tests and they are provided with feedback to help them move forward in their learning.

Mock exams take place in year 10, April (P1), year 11 November (P1) and in April (P2).

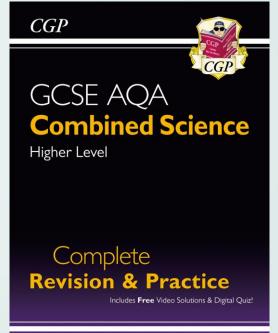
The learning journey is in the front of your child's books and shows the order of topics and assessments.

Revision strategies





We recommend these revision guides, but any guide will be helpful as long as it is AQA and the right course.





My GCSE Science - one stop revision shop!











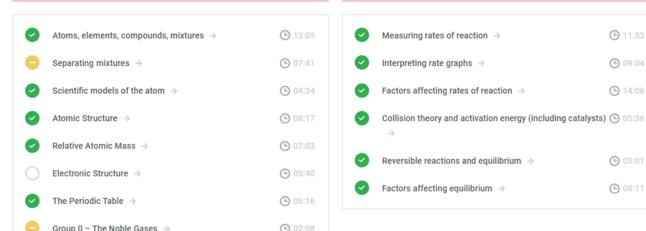


Paper 1

1. Atomic structure

Paper 2

6. Rate and extent of chemical change





AQA Chemistry Checklist

Triple Award

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VIDEO	EXAM Q&A	6



Topic 1. Atomic structure

Video: Atoms, elements, compounds, mixtures

- · Use the names and symbols of the first 20 elements in the periodic table, the elements in Groups 1 and 7, and other elements in this specification.
- · Name compounds of these elements from given formulae or symbol equations. · Define an atom, an element, a compound and a mixture.

Video: Separating mixtures

- · Describe, explain and give examples of the specified processes of separation.
- · Suggest suitable separation and purification techniques for mixtures when given appropriate information.

Video: Scientific models of the atom

- · Describe how and why the atomic model has changed over time.
- · Describe the difference between the plum-pudding model of the atom and the nuclear model of the atom.
- Describe why the new evidence from the scattering experiment led to a change in the atomic model.

Video: Atomic Structure

- Recall the different charges of the particles that make up an atom.
- Describe why atoms have no overall charge.
- · Use the periodic table to identify the number of protons in different elements.

Video: Relative Atomic Mass

 Calculate the relative atomic mass of an element given the percentage abundance of its isotopes.

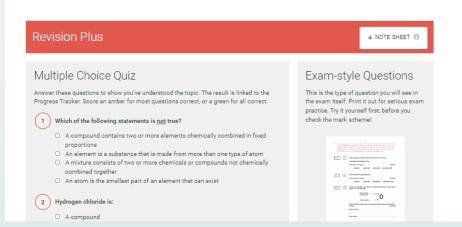
Video: Electronic Structure

- · Represent the electronic structures of the first twenty elements of the periodic table in both forms.
- . Describe how many electrons there can be in the first, second and third energy
- Answer questions in terms of either energy levels or shells.

Video: The Periodic Table

- Explain how the position of an element in the periodic table is related to the arrangement of electrons in its atoms and hence to its atomic number.
- Describe the key steps in the development of the periodic table.
- · Explain the differences between metals and non-metals on the basis of their characteristic physical and chemical properties.
- Explain how the atomic structure of metals and non-metals relates to their position in the periodic table.





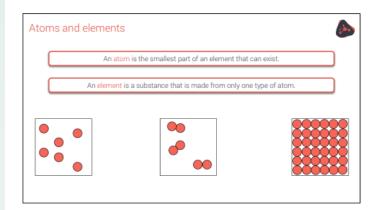
What are the advantages of my GCSE science?

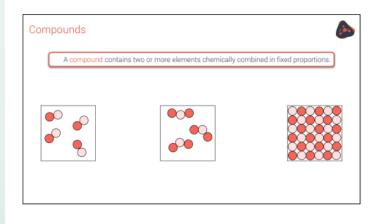
My GCSE science empowers students to be independent learners. It allows student to self regulate their learning by identifying their strengths and weaknesses.

It is an active process that students find difficult at times but it is the most effective way to revise.

Triple-8 and Double-8 Guarantees We're 100% confident in the transformational power of our learning and revision platform. Triple Science students: if you achieve a green in the multiple-choice quiz for every Triple Award topic, we *guarantee* you will achieve three 8s or better in your Science GCSEs. Combined Science students: if you get a green in the multiple-choice quiz for every Double Award topic, we *guarantee* you will get 8-8 or better in the Combined Science GCSE. Or your money back.

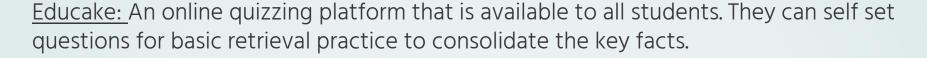
Atoms, elements, compounds, mixtures







What other revision resources are available?



<u>Seneca:</u> A free online platform the gives students information and then quizzes them as they go through. A very good starting point for students.

<u>BBC bitesize:</u> Useful source of information, has quizzes for retrieval and checking understanding.

<u>Past paper questions:</u> Past papers and mark schemes are available on the AQA website. These are one of the best ways of taking your revision to the next level.



Why science?



- Whether you have chosen triple or trilogy, science is an important subject for your future.
- The skills you learn support many careers not directly linked to science such as catering, cosmetics and aesthetics, caring for people, animals and children and any role that required health and safety, risk assessment.
- More directly if you want to study any of these subjects at A level you will need at least a 6 at GCSE.
- Biology
- Chemistry
- Medical sciences
- Psychology
- Physics

A grade 4 is needed for many other courses such as BTEC engineering and applied science.

Lots of university courses also require a grade 4 in science.



What can parents do to support?



- Encourage your child to complete homework, and help them track their progress on my GCSE science.
- Check they have the correct equipment for lessons and assessments (green pen for feedback, calculator and a whiteboard pen).
- Encourage them to attend SPAs or ask their teacher for help if they need it.