



Co-op Academy
Priesthorpe

Key Stage 4
Information
Evening
2023

GCSE science

Links to key websites

BBC bitesize: <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>

link to specification (combined science):

<https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>

link to specification (GCSE Biology):

<https://www.aqa.org.uk/subjects/science/gcse/biology-8461/specification-at-a-glance>

link to specification (GCSE Chemistry):

<https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/specification-at-a-glance>

link to specification (GCSE Physics)

<https://www.aqa.org.uk/subjects/science/gcse/physics-8463/specification-at-a-glance>

Link to all AQA sciences, including past papers

<https://www.aqa.org.uk/subjects/science/gcse>

Link to CGP website to purchase revision guides, work books, revision cards and exam practice booklets:

https://www.cgpbooks.co.uk/secondary-books/gcse/gcse-science-aqa?sort=best_selling&quantity=36&page=1&view=grid¤tFilter=BookType_101&filter_key%20stage=KeyStage_59&filter_exam%20board=ExamBoard_140&filter_product%20type=BookType_107%2CBookType_691%2CBookType_837%2CBookType_101 You may also be able to find these books on

amazon/ebay.

AQA (8464) Science Combined Biology information

Biology GCSE is an exciting and challenging subject with practical based at the very heart of the course. The students investigate the following topics:

1. Cells
2. Organisation
3. Infection and response
4. Bioenergetics
5. Homeostasis and response
7. Ecology
6. Inheritance, variation and evolution

AQA (8464) Science Combined Chemistry information

GCSE Chemistry gives students the opportunity to gain a good understanding of:

- the nature of substances and how they react together
- how Chemistry is used in business and industry
- how our use of raw materials in fuels and manufacturing can affect the global and local environment.

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes
6. The rate and extent of chemical change
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the atmosphere
10. Using resources

AQA (8464) Science Combined Physics information

Physics GCSE is an exciting and challenging subject with practical based at the very heart of the course. Our students learn through investigating the world of physics

1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure
5. Forces
6. Waves
7. Magnetism and electromagnetism

The final assessment involves six papers (a paper 1 and 2 for each discipline) of 1 hour and 15 minutes. These exams are at the end of year 11. Both multiple choice and structured, closed short answer and extended response questions are set. There are practical activities that will be completed in lesson time which are incorporated into questions.

The final assessment for separate sciences (a.k.a triple science) involves six papers (a paper 1 and 2 for each discipline) of 1 hour and 45 minutes. The units on each paper are the same as in combined but there are more topics covered.

	Units covered on each exam	
	Paper 1	Paper 2
Biology	B1-4	B5-7
Chemistry	C1-5	C6-10
Physics	P1-4	P5-7

How to support your child studying GCSE science

- Share your enthusiasm for science and discuss their learning with them
- Encourage them to watch programmes/documentaries that relate to the content they study
- Encourage them to read literature that relates to science and/or the content they study
- Help them to understand complex terminology using appropriate resources like the CGP revision guides, knowledge organisers or BBC bitesize
- If possible purchase practice question booklets/other revision resources. We recommend the CGP resources (link above)

Top tips for achieving high grades in science

- Specifications
- Past paper questions
- Mark schemes
- Examiner reports
- Use information given in questions
- Scientific keywords
- Teach the topic to someone else
- Study for understanding not memorise
- ASK FOR HELP!!
- Be actively engaged and participate in lessons
- Practice Maths skills
- Use data to support conclusions
- Revision guides
- Constantly revise and re-visit topics
- Hi light key terminology
- Complete all H/L and extension tasks
- Clear organised notes