



GCSE Science Study Guidance

GCSE Pathways

Triple Science Pathway

- ▶ 6 hours a week teaching
- ▶ Three GCSE grades (Biology, Chemistry and Physics)
- ▶ Higher paper taken
- ▶ AQA Exam Board
- ▶ 6 exams – 1hr 45 mins each
- ▶ Specific revision guide / revision cards

Trilogy (Combined) Science Pathway

- ▶ 5 hours a week teaching
- ▶ Two GCSE grades (average grade taken for the three subjects)
- ▶ Higher / Foundation paper taken
- ▶ AQA Exam Board
- ▶ 6 exams – 1hr 15 mins each
- ▶ Specific revision guide / revision cards

Foundation = Max Grade 5

Skills required for both pathways



Scientific literacy



Numeracy

Developing scientific literacy skills

- Learn definitions of key terms.
- Break down detailed methods / explanations into 8-10 key words. This helps plan answers.
- Don't 'waffle.' Write with purpose to inform the reader with clarity.
- Identify key information to use in a question. What is the science behind the context?
- Try to 'talk science.'
- Past paper questions.
- Link key words.



Developing numeracy skills in Science

- Learn Physics formulae – post-it notes / flashcards
- KS3 mathematical skills are tested
- Describe and explain the results in a graph / table
- Identify key information to use in a question. What do you need to do with the numbers?
- Past paper questions

YouTube GB

fractional distillation gcse

Up next

AUTOPLAY

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GCSE Science Chemistry (9-1) Fractional Distillation of Crude Oil

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9-1 GCSE Chemistry Paper 2 Organic Chemistry Freesciencelessons

Where to look for materials to support

YOUTUBE – FREESCIENCELESSONS

Great if clarity is needed on a topic when at home or if revisiting a topic from Year 9

The screenshot shows the BBC Bitesize website interface. At the top, there is a navigation bar with the BBC logo, a 'Your account' link, and a menu with options for News, Sport, Weather, iPlayer, Sounds, and More. A search bar is located on the right side of this bar. Below the navigation bar, the 'Bitesize' logo is prominently displayed on the left, and a 'Change language' button is on the right. A secondary navigation bar contains links for Home, Learn & revise, Support, Careers, My Bitesize, and All Bitesize. The main content area is titled 'GCSE Science' and includes a brief definition of science and a link to 'Learn & revise'. To the right of the text is an illustration featuring a flower, a test tube with orange liquid, and a horseshoe magnet. Below the main content, there is a large orange button labeled 'GCSE Biology (Single Science)'.

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Bitesize

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GCSE

Science

Science is the systematic study of the physical and natural world through observation and experimentation.

Part of [Learn & revise](#)

GCSE Biology (Single Science)

Where to look for materials to support

GCSE BITESIZE

[HTTPS://WWW.BBC.CO.UK/BI
TESIZE/SUBJECTS/ZRKW2HV](https://www.bbc.co.uk/bitesize/subjects/zrkw2hv)



Combined Science: Trilogy (8464)

- [Introduction](#)
- [Specification at a glance](#)
- [Planning resources](#)
- [Teaching resources](#)

Assessment resources

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Assessment resources

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June 2019 papers and mark schemes

[Insight report: results at a glance June 2019 \(479.5 KB\)](#)

June 2018 papers and mark schemes

[Insight report: results at a glance June 2018 \(1.2 MB\)](#)

Foundation

[Paper 1 Biology \(Foundation\): Examiner report June 2018 \(114.6 KB\)](#)

[Paper 1 Biology \(Foundation\): Mark scheme June 2018 \(237.9 KB\)](#)

[Paper 1 Biology \(Foundation\): Question paper \(Modified A3 36pt\) June 2018 \(1.4 MB\)](#)

[Paper 1 Biology \(Foundation\): Question paper \(Modified A4 18pt\) June 2018 \(1.1 MB\)](#)

[Paper 1 Biology \(Foundation\): Question paper June 2018 \(535.4 KB\)](#)

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[Specification for first teaching in 2016 \(3.1 MB\)](#)

Thinking of
teaching with
us?

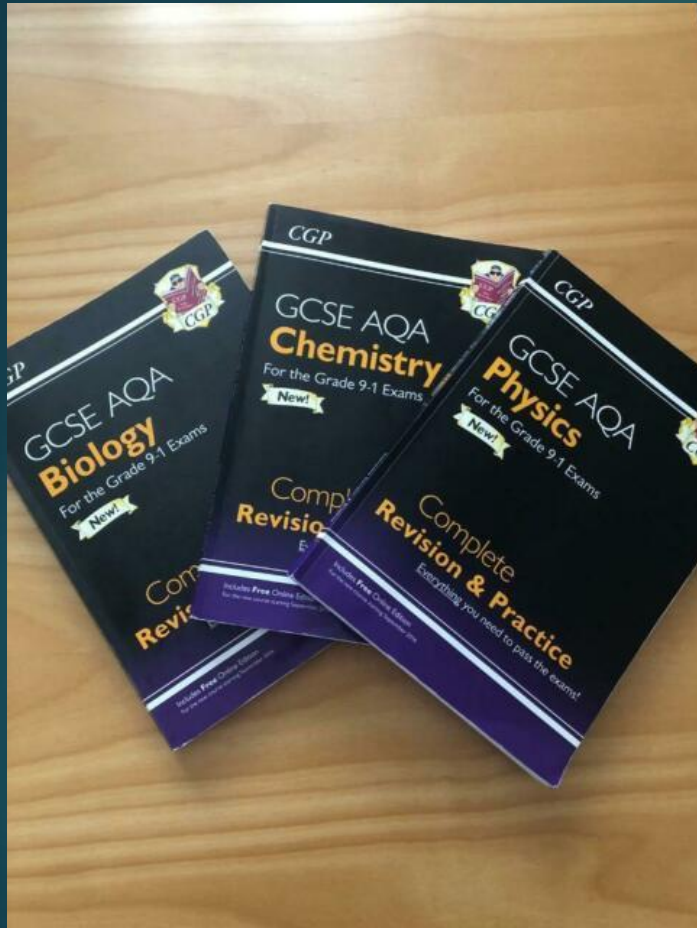
[Yes, tell me more](#)

Where to look for materials to support

AQA WEBSITE FOR PAST
PAPERS

CHECK YOU ARE LOOKING AT
THE RELEVANT PATHWAY AND
TIER OF ENTRY

**Ask teachers for materials on areas
you are not certain**



AQA COMBINED SCIENCE TRILOGY

Where to
look for
materials
to support

Ask teachers for correct references
if you are not certain

- ❑ **Assemblies:** The students will have assemblies on revision and revision techniques.
- ❑ **Y11 Revision Timetable**
- ❑ **Visit Pastoral:** if pupils are feeling overwhelmed, in need of a quiet space, or a sympathetic and patient ear – they are always welcome in the pastoral area.
- ❑ **Post-16:** Visit as many colleges as possible, and apply early.
- ❑ **Interview technique:** Mock interviews take place on Friday 8th November.
- ❑ **Emotional balance:** Stay focused and manage the feelings of stress, worry and anxiety that they will experience.
- ❑ **Organisation:** Purpose and reason for every activity to make the most of their time.

Pastoral Care and Key Information

- ❑ **Mock examinations** will take place in December. Individual timetables will be published.
- ❑ There is lots to look forward to!