

# Science GCSE Exams

## Triple Science

Information and Advice for Productive  
and Effective Revision

# Dates for the 2026 Triple and Combined Science exams:

AQA Biology Paper 1: Tuesday 12th of May  
AQA Chemistry Paper 1: Monday 18th of May

## ***Half Term - 25th May - 29th May***

AQA Physics Paper 1: Tuesday 2nd of June

AQA Biology Paper 2: Monday 8th of June  
AQA Chemistry Paper 2: Friday 12th of June  
AQA Physics Paper 2: Monday 15th June

## **Length of each paper**

**Triple Science: 1 hour and 45 minutes  
(100 marks)**

# **Content in each paper Triple Science**

**Biology paper 1- Topics 1,2,3,4**

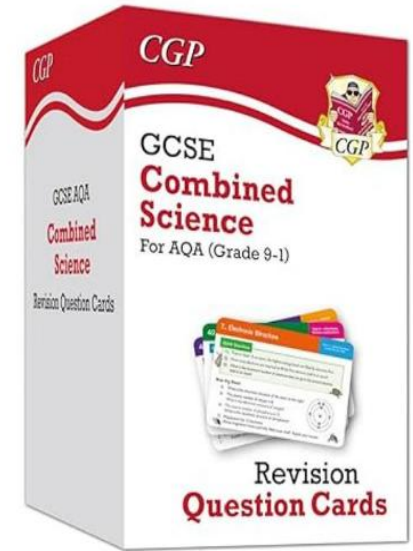
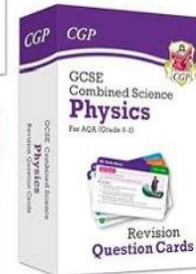
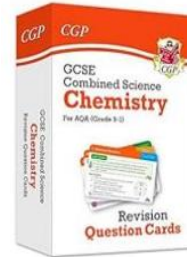
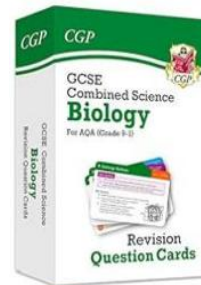
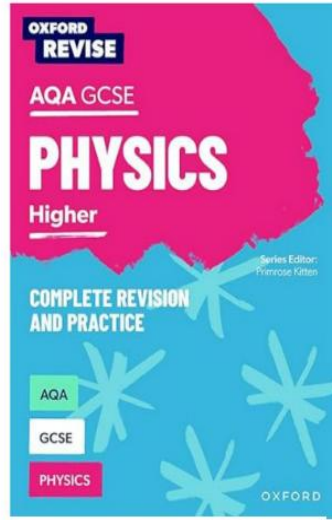
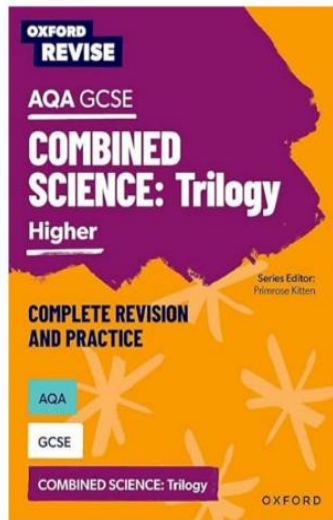
**Chemistry paper 1 Topics 1,2,3,4,5**

**Physics paper 1- Topics 1,2,3,4**

**Biology paper 2 – Topics 5,6,7**

**Chemistry paper 2- Topics 6,7,8,9,10**

**Physics paper 2- Topics 5,6,7,8**



You may already have some or all of these

The Oxford Revise Complete Revision and Practice books are a good resource as they have lots of practice questions to attempt

CGP Flash cards

A ready-made set of flash cards for Triple or Combined Science. Great tool for individual or co-revision.

**Trust, Inclusivity, Resilience, Aspiration**

Please write clearly in block capitals.

Centre number

Candidate number

Surname

Forename(s)

Candidate signature

I declare this is my own work.

## GCSE CHEMISTRY

Higher Tier Paper 1

Monday 19 May 2025 Morning Time allowed: 1 hour 45 minutes

### Materials

For this paper you must have:

- a ruler
- a scientific calculator
- the periodic table (enclosed).

### Instructions

- Use black ink or black ball-point pen.
- Pencil should only be used for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

### Information

- The maximum mark for this paper is 100.
- The marks for questions are shown in brackets.
- You are expected to use a calculator where appropriate.
- In all calculations, show clearly how you work out your answer.
- You are reminded of the need for good English and clear presentation in your answers.

| For Examiner's Use |      |
|--------------------|------|
| Question           | Mark |
| 1                  |      |
| 2                  |      |
| 3                  |      |
| 4                  |      |
| 5                  |      |
| 6                  |      |
| 7                  |      |
| 8                  |      |
| 9                  |      |
| <b>TOTAL</b>       |      |

3

8.1.4 Which homologous series has  $C_4H_{10}$  as a member? [1 mark]

Tick (✓) one box.

Alcohols ☐

Alkanes ☐

Alkenes ☒

Carboxylic acids ☐

8.1.5 Complete Figure 1 to show the displayed structural formula of  $C_4H_{10}$ . [1 mark]

Figure 1

```

      H   H   H   H   H
      |   |   |   |
    H - C - C - C - C - H
      |   |   |   |
      H   H   H   H   H
    
```

8.1.6 Petrol contains  $C_{12}H_{26}$ . [1 mark]

Petrol is burned in car engines.

What general name is used to describe petrol when petrol is burned to release energy?



Turn over

4

8.1.7 Atmospheric pollutants are formed when  $C_8H_{18}$  undergoes incomplete combustion. Complete the sentences. Choose answers from the box. [2 marks]

|         |                 |                |
|---------|-----------------|----------------|
| ammonia | carbon monoxide | coal           |
| soot    | sulfur          | sulfur dioxide |

The solid atmospheric pollutant formed during incomplete combustion of  $C_8H_{18}$  is \_\_\_\_\_.

The gaseous atmospheric pollutant formed during incomplete combustion of  $C_8H_{18}$  is \_\_\_\_\_.

8.1.8 A different organic compound ( $C_6H_{14}$ ) can be broken down to produce  $C_2H_4$  and one other compound. Complete the equation for the reaction. [1 mark]

$$C_6H_{14} \rightarrow C_2H_4 + C \quad \_ \_ \_ H \quad \_ \_ \_$$


Turn over

| Question | Answers | Extra Information | Mark | AD / Spec. Ref. |
|----------|---------|-------------------|------|-----------------|
| 8.1.4    | alkanes |                   | 1    | AD0 4.7.1.1     |

| Question | Answers                                                                                                                                                                | Extra Information | Mark | AD / Spec. Ref. |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|-----------------|
| 8.1.5    | $  \begin{array}{c}  H & H & H & H & H \\    &   &   &   &   \\  H & - & C & - & C & - & C & - & C & - & H \\    &   &   &   &   \\  H & H & H & H & H  \end{array}  $ |                   | 1    | AD0 4.7.1.1     |

MARK SCHEME – GCSE CHEMISTRY – 846201 – JUNE 2024

| Question | Answers | Extra Information | Mark | AD / Spec. Ref. |
|----------|---------|-------------------|------|-----------------|
| 8.1.6    | fuel    | also fossil fuel  | 1    | AD0 4.7.1.3     |

| Question | Answers                 | Extra Information | Mark   | AD / Spec. Ref. |
|----------|-------------------------|-------------------|--------|-----------------|
| 8.1.7    | soot<br>carbon monoxide |                   | 1<br>1 | AD0 4.9.3.1     |

| Question | Answers  | Extra Information | Mark | AD / Spec. Ref. |
|----------|----------|-------------------|------|-----------------|
| 8.1.8    | $C_2H_6$ |                   | 1    | AD0 4.7.1.4     |

[AQA GCSE Biology Past Papers \[PDFs & Mark Schemes\]](#)

[AQA GCSE Chemistry Past Papers \[PDFs & Mark Schemes\]](#)

[AQA GCSE Physics Past Papers \[PDFs & Mark Schemes\]](#)



JUN2584621H01

IB/M/Jun25/G4007/E11

8462/1H

Trust, Inclusivity, Resilience, Aspiration



**CRESTWOOD**  
COMMUNITY SCHOOL

# How to use past papers to revise

1. Attempt a practice paper. Complete all possible questions.
2. Use the official mark scheme to mark and correct answers, paying careful attention to key vocabulary or phrasing required to get the mark.  
*E.g. in an answer to describe the effects of climate change, stating flooding would score zero marks. You would need to say **more flooding** as flooding happens anyway; climate change will just make it more frequent or extreme.*
3. Any questions that were left blank- make a note and then use revision resources to study this area and review the mark scheme.
4. Attempt the paper again. Aim to improve your answers/scores until you have achieved the score you are happy with.

The image displays three screenshots from a chemistry practice paper and its corresponding mark scheme. The first screenshot shows a question about homologous series for C<sub>4</sub>H<sub>8</sub>, with a table for Alkanes, Alkenes, Alkynes, and Carboxylic acids. The second screenshot shows a question about the combustion of C<sub>4</sub>H<sub>8</sub>, with a table for Alkanes, Alkenes, Alkynes, and Carboxylic acids. The third screenshot shows a question about the combustion of C<sub>4</sub>H<sub>8</sub>, with a table for Alkanes, Alkenes, Alkynes, and Carboxylic acids.

**Question 1** (1 mark) Which homologous series has the formula C<sub>4</sub>H<sub>8</sub> as a member? (2 marks)

Tick (✓) one box.

|                  |                                     |
|------------------|-------------------------------------|
| Alkanes          | <input type="checkbox"/>            |
| Alkenes          | <input type="checkbox"/>            |
| Alkynes          | <input checked="" type="checkbox"/> |
| Carboxylic acids | <input type="checkbox"/>            |

**Question 2** (1 mark) Complete Figure 1 to show the complete combustion of C<sub>4</sub>H<sub>8</sub>. (2 marks)

Figure 1

|   |   |   |   |   |
|---|---|---|---|---|
| H | H | H | H | H |
| H | C | C | C | C |
| H | H | H | H | H |

**Question 3** (1 mark) Propanoic acid, C<sub>3</sub>H<sub>6</sub>O<sub>2</sub>, is a weak acid. (2 marks)

What general reaction is used to identify propanoic acid and what is the name of the product?

Question 1 continues on the next page

**Question 4** (1 mark) Homologous series are formed when C<sub>4</sub>H<sub>8</sub> undergoes complete combustion. (2 marks)

Complete the sentences.

Choose answers from the box.

|         |                |     |
|---------|----------------|-----|
| alkanes | carbon dioxide | oat |
| oat     | oat            | oat |

The word 'oat' is used to represent the word 'oat'.

The general combustion reaction for C<sub>4</sub>H<sub>8</sub> is:

C<sub>4</sub>H<sub>8</sub> + O<sub>2</sub> → C<sub>4</sub>H<sub>8</sub>O<sub>2</sub> + H<sub>2</sub>O

**Question 5** (1 mark) A different organic compound (C<sub>4</sub>H<sub>8</sub>) can be broken down to produce C<sub>4</sub>H<sub>8</sub> and one other compound. (2 marks)

Complete the equation for this reaction.

C<sub>4</sub>H<sub>8</sub> → C<sub>4</sub>H<sub>8</sub> + C<sub>4</sub>H<sub>8</sub>

**Question 6** (1 mark) The following table shows the relative atomic masses (A<sub>r</sub>) of the elements in the periodic table. (2 marks)

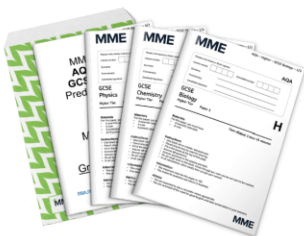
| Question | Answers | Extra information | Mark | ADJ. (Basis, Ref.) |
|----------|---------|-------------------|------|--------------------|
| 6.1      | oat     |                   | 1    | ADJ. (Basis, Ref.) |

**Question 7** (1 mark) The following table shows the relative atomic masses (A<sub>r</sub>) of the elements in the periodic table. (2 marks)

| Question | Answers | Extra information | Mark | ADJ. (Basis, Ref.) |
|----------|---------|-------------------|------|--------------------|
| 7.1      | oat     |                   | 1    | ADJ. (Basis, Ref.) |

**Question 8** (1 mark) The following table shows the relative atomic masses (A<sub>r</sub>) of the elements in the periodic table. (2 marks)

| Question | Answers                       | Extra information | Mark | ADJ. (Basis, Ref.) |
|----------|-------------------------------|-------------------|------|--------------------|
| 8.1      | C <sub>4</sub> H <sub>8</sub> |                   | 1    | ADJ. (Basis, Ref.) |

★★★★★ [Read all \(6 customer reviews\)](#)

Sale!

## AQA GCSE Triple Science Predicted Papers 2026

Our AQA GCSE Triple Science Predicted Papers are produced to the same high standard as real exam papers. Every question is written and reviewed by experienced subject specialists to ensure the difficulty, structure and presentation closely reflect genuine AQA GCSE Triple Science exams at Higher tier. Each pack includes professionally printed papers alongside physical mark schemes, giving students an accurate, exam-style experience that cannot be replicated using PDFs or generic revision sheets. These predicted papers are available exclusively from MME.

from ~~£32.99~~ **£26.39**  **20% OFF** Only 1 day left at this price**Exam-Standard Printed Papers.** Professionally designed, reviewed and printed to reflect the structure, layoutBy clicking continue and using our website you are consenting to our use of cookies in accordance with our [Cookie Policy](#)

Continue

[AQA GCSE Triple Science Predicted Papers 2026 | MME](#)

Trust, Inclusivity, Resilience, Aspiration

## Other key areas of revision

Each Paper will have several required practical questions.

They make up 15% of the marks on each paper. They are most commonly asked to write a method for this experiment.

- Watch the videos on free science lessons and Malmsbury Education on each required practical.
- Make notes and then see if you can write a method from memory.
- If not, rewatch and try again until you can. Remember CIDER for methods

Control variables

Independent variable

Dependent variables

Equipment and steps

Repeats and mean

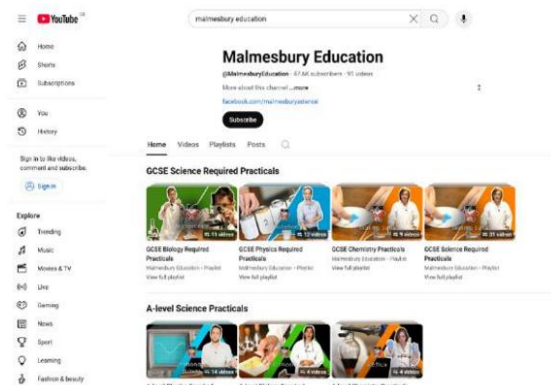
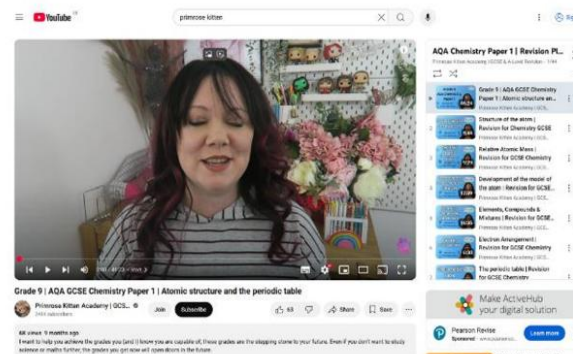
# Good places to find revision material:

[GCSE Revision Videos | freesciencelessons](#)

[\(173\) Primrose Kitten Academy | GCSE & A-Level Revision – YouTube](#)

[Free Maths & Science Revision and Past Papers for A-Level, GCSE and KS3 | Cognito](#)

[\(173\) Malmesbury Education - YouTube](#)



Trust, Inclusivity, Resilience, Aspiration



## Revision through homework



Pupils receive weekly homework through the Carousel Learning Platform. This include flashcards to revise areas of knowledge and then a quiz to take. Pupils then self-mark the answers to see where they need to improve.

As we get nearer the exams, we will post larger optional revision quizzes for each paper for pupils to use.

- [I Bet You Don't Know These Chemistry Basics ? ⚡](#)

## Social Media support



@layjoydoesgcsechemistry

@brookdoesgcsephysics

@lauradoesgcsebiology

@sciencewithys

@savemyexams

@joedoesgcsebiology

@captainphysics

@chemwithbren

@studywithb819

# Approximate grade boundaries

To be successful in GCSE Science you don't need to get every question correct. These are the grade boundaries from science exams for the past few years and the average.

## Combined H

| Year    | 9-9  | 9-8  | 8-8  | 8-7  | 7-7  | 7-6  | 6-6  | 6-5  | 5-5  | 5-4  | 4-4  | 4-3  |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2025    | 71   | 67   | 63   | 58   | 54   | 49   | 44   | 39   | 33   | 28   | 23   | 20   |
| 2024    | 69   | 64   | 60   | 55   | 51   | 46   | 41   | 36   | 32   | 27   | 22   | 20   |
| 2023    | 69   | 65   | 61   | 56   | 52   | 47   | 43   | 38   | 33   | 28   | 24   | 21   |
| 2019    | 64   | 60   | 56   | 51   | 47   | 43   | 38   | 34   | 29   | 25   | 21   | 19   |
| Average | 68.3 | 64.0 | 60.0 | 55.0 | 51.0 | 46.3 | 41.5 | 36.8 | 31.8 | 27.0 | 22.5 | 20.0 |

## Combined Foundation

| Year    | 5-5  | 5-4  | 4-4  | 4-3  | 3-3  | 3-2  | 2-2  | 2-1  | 1-1  |
|---------|------|------|------|------|------|------|------|------|------|
| 2025    | 65   | 60   | 55   | 48   | 41   | 35   | 28   | 21   | 15   |
| 2024    | 63   | 58   | 54   | 47   | 41   | 34   | 28   | 21   | 15   |
| 2023    | 64   | 60   | 55   | 48   | 41   | 35   | 28   | 22   | 15   |
| 2019    | 56   | 53   | 48   | 41   | 35   | 28   | 22   | 16   | 10   |
| Average | 62.0 | 57.8 | 53.0 | 46.0 | 39.5 | 33.0 | 26.5 | 20.0 | 13.8 |

**Trust, Inclusivity, Resilience, Aspiration**

# Approximate grade boundaries

To be successful in GCSE Science you don't need to get every question correct. These are the grade boundaries from science exams for the past few years and the average.

## Biology

| Year    | 9    | 8    | 7    | 6    | 5    | 4    | 3    |
|---------|------|------|------|------|------|------|------|
| 2025    | 71   | 64   | 57   | 47   | 38   | 28   | 23   |
| 2024    | 71   | 63   | 56   | 45   | 35   | 24   | 19   |
| 2023    | 66   | 59   | 52   | 43   | 35   | 26   | 22   |
| 2019    | 67   | 60   | 54   | 45   | 36   | 28   | 23   |
| Average | 68.0 | 60.7 | 54.0 | 44.3 | 35.3 | 26.0 | 21.3 |

## Chemistry

| Year    | 9    | 8    | 7    | 6    | 5    | 4    | 3    |
|---------|------|------|------|------|------|------|------|
| 2025    | 75   | 66   | 58   | 45   | 33   | 21   | 15   |
| 2024    | 75   | 65   | 56   | 45   | 34   | 23   | 18   |
| 2023    | 75   | 66   | 57   | 46   | 35   | 24   | 19   |
| 2019    | 72   | 63   | 54   | 44   | 35   | 25   | 20   |
| Average | 74.3 | 65.0 | 56.3 | 45.0 | 34.3 | 23.3 | 18.0 |

## Physics

| Year    | 9    | 8    | 7    | 6    | 5    | 4    | 3    |
|---------|------|------|------|------|------|------|------|
| 2025    | 76   | 70   | 63   | 54   | 44   | 35   | 31   |
| 2024    | 76   | 68   | 61   | 52   | 43   | 34   | 29   |
| 2023    | 74   | 67   | 60   | 51   | 42   | 34   | 29   |
| 2019    | 72   | 63   | 54   | 45   | 35   | 26   | 21   |
| Average | 75.0 | 67.0 | 60.0 | 51.0 | 41.0 | 32.0 | 27.0 |

Trust, Inclusivity, Resilience, Aspiration



## Support from the Science Faculty

Nearer exam season the Science Faculty revision support timetable will be released to pupils

This includes dates and times where staff are available outside of school hours to help with revision.

Including: After school drop-in sessions, Saturday online revision sessions, Sunday mornings at McDonald's

|                                                     |                                           |                                                  |                                    |                                       |                                                                 |                                                                                     |                                                                                                                      |
|-----------------------------------------------------|-------------------------------------------|--------------------------------------------------|------------------------------------|---------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Week beginning<br>26 <sup>th</sup> May<br>Half Term | KNL<br>Combined<br>Science SH<br>10- 12pm | RON<br>Triple Science CH<br>10-12pm              | AWI<br>Triple science SH<br>2-4pm  |                                       | THT<br>Combined<br>Science<br>10-12                             |  |                                                                                                                      |
| Week beginning<br>2 <sup>nd</sup> June [1]          |                                           | SH<br>THT 3-4<br>Biology paper 2<br>(foundation) | SH<br>JLN 3-4pm<br>Biology Paper 2 | SH<br>CCD 3-4.30pm<br>Biology Paper 2 | Ch RON + AWN<br>3-4pm<br><br>SH AWI<br>3-4pm<br>Biology paper 2 | Saturday sesh<br>11 am -12.30am<br>Virtual revision<br>session<br>KNL               | Revision @ <br>8:30- 10 am<br>KNL |

|                                            |                                                                                                         |                                                    |                                                                                  |                                                                                                    |                                                                                                                 |                                                                       |                                                                                                                       |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Week beginning<br>9 <sup>th</sup> June [2] | Breakfast session<br>with your normal<br>class teacher<br>8-8:55<br><br>Biology paper 2<br>exam morning | SH<br>THT 3-4<br>Chemistry paper<br>2 (foundation) | SH<br>JLN 3-4pm<br>Chemistry Paper 2<br><br>SH<br>AWI 3-4pm<br>Chemistry paper 2 | Evening revision<br>session<br>3-7 pm Sh KNL<br>(CCD 3 - 4.30<br>pm)<br>3-6 pm Ch RON +<br>EST 3-4 | Breakfast<br>session with<br>your normal<br>class teacher<br>8-8:55<br><br>Chemistry paper<br>2 exam<br>Morning | Saturday sesh<br>11 am -12.30am<br>Virtual revision<br>session<br>KNL | Revision @ <br>8:30- 10 am<br>KNL |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|

|                                             |                                                                                                                                    |                                                                                     |                                                                                       |  |  |  |  |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--|--|--|
| Week beginning<br>16 <sup>th</sup> June [1] | Breakfast session<br>with your normal<br>class teacher<br>8- 8:55<br><br>Physics paper 2<br>exam<br>Morning<br><br>IT'S OVER!!!!!! |  |  |  |  |  |  |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--|--|--|

## Contact

- Any questions or advice
- [kev.neil@crestwood.hants.sch.uk](mailto:kev.neil@crestwood.hants.sch.uk)