

Year 11 Science Parent Forum

Subject Leader-Dr Wisdom



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'Ports of call'

Dr Wisdom	Subject Leader	All queries Combined Science Triple Biology
Mrs Venables	Deputy Subject Leader	Combined Science
Mr Burden	Leader of Physics	Triple Physics
Mr Agor	Leader of Chemistry	Triple Chemistry



Exam board

Which exam board are we using?

AQA

**This is for both Triple and Combined.
Combined are following AQA Trilogy.**



How many exams will my child sit?

- 6 written exams for Science- 2 for Biology, 2 for Chemistry and 2 for Physics.
- For Combined Science - each paper will be 1 hour 15 minutes long and there are 70 marks available on each paper.
- For Triple Science - each paper will be 1 hour 45 minutes long and there are 100 marks available on each paper.



Foundation or Higher Tier entries

Which tier is my child going to sit?

Final decision will be made after the Year 11 PPEs.

P – Triple – Higher

R – Combined – Higher

B – Combined – Foundation

C – Combined – Foundation

G – Combined - Foundation



GCSE Examination dates

These should be released early Autumn, we'll communicate them as soon as we know them.

For Science, Paper 1s usually fall before May half term and Papers 2s afterward.



Key Dates

- 19th October 2023 - **Year 11 Progress Evening**
- 9th – 20th October 2023 - **Summative Assessments**
- 8th – 19th January 2024 – **PPE window**
- 21st March 2024 – **Year 11 Progress Evening**



GCSE Combined Science grades

• Combined Science double weighted.	99	55
	89	45
	88	44
• Cumulative score across all 6 papers gives 2 grades.	78	43
	77	33
	76	32
• For 'point scores' students will get an average.	66	22
	65	21
	55	11

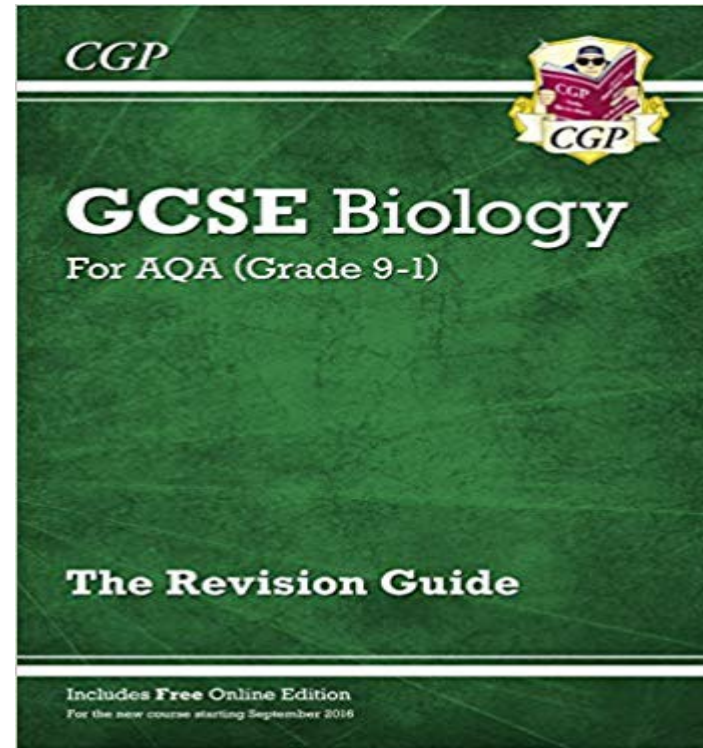
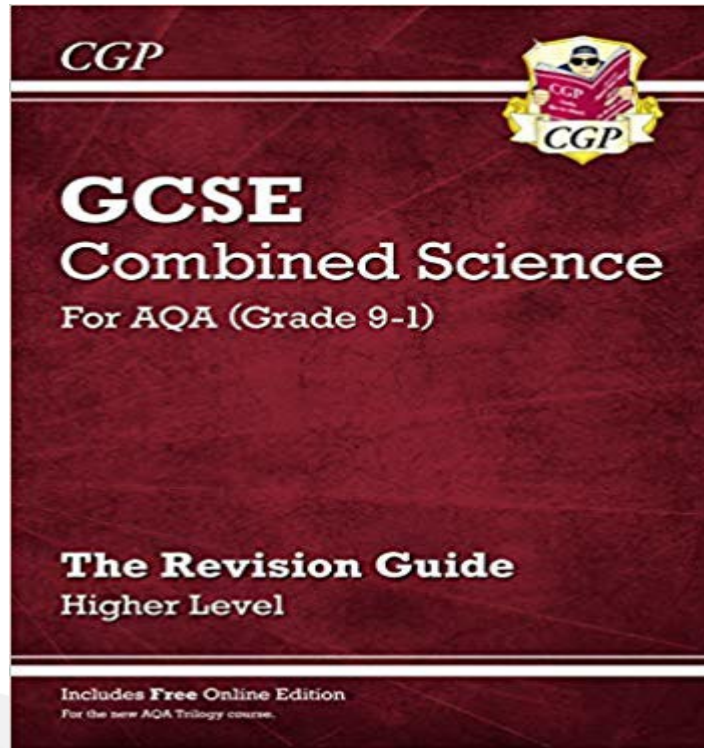


How can we help year 11 students prepare & revise for GCSE?

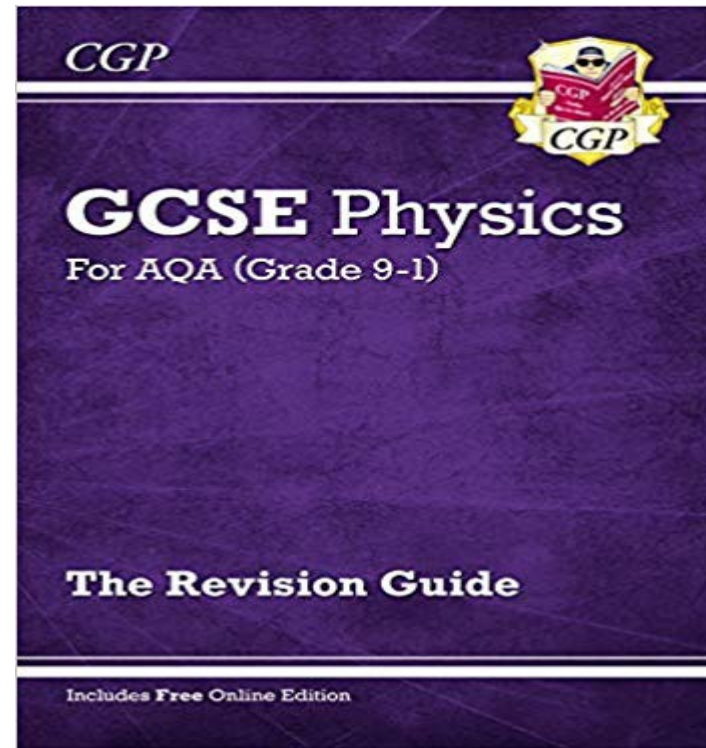
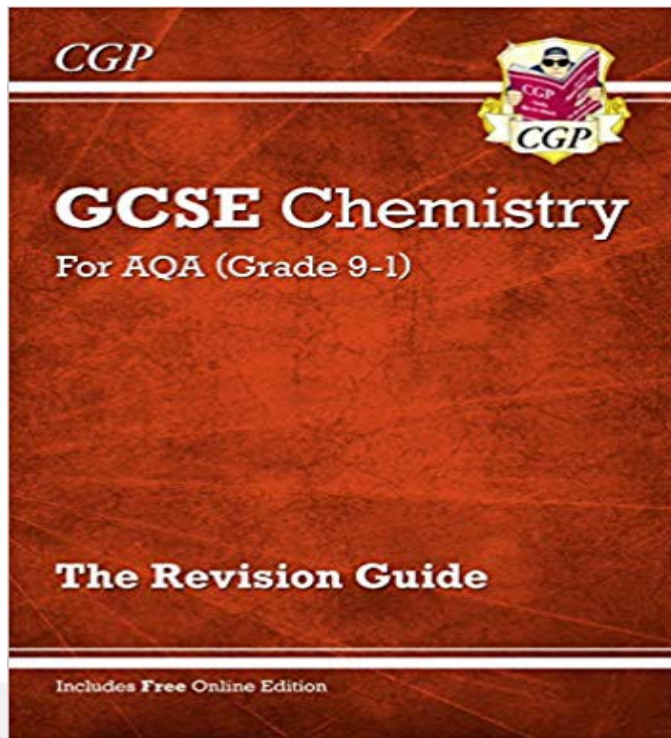


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Science revision guides



Science revision guides



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Useful websites – Free Science Lessons

female male

These hormones bind to specific **target organs** where they trigger an effect.

0:40 / 5:25

SUBSCRIBE



Useful websites – Malmesbury Education

The screenshot shows the YouTube interface for the Malmesbury Education channel. The left sidebar contains navigation links: Home, Shorts, Subscriptions, Library, and History. The main content area is titled "GCSE Science Required Practicals" and displays four video playlists:

- GCSE Biology Required Practicals**: 10 videos. Thumbnail shows a person using a microscope. Below the thumbnail, it says "Malmesbury Education · Playlist" and "View full playlist".
- GCSE Physics Required Practicals**: 12 videos. Thumbnail shows a person with a beaker. Below the thumbnail, it says "Malmesbury Education · Playlist" and "View full playlist".
- GCSE Chemistry Practicals**: 9 videos. Thumbnail shows a person with a beaker. Below the thumbnail, it says "Malmesbury Education · Playlist" and "View full playlist".
- GCSE Science Required Practicals**: 31 videos. Thumbnail shows a person with a beaker. Below the thumbnail, it says "Malmesbury Education · Playlist" and "View full playlist".

At the bottom left of the sidebar, there is a "Sign in" button with the text "Sign in to like videos, comment and subscribe." above it.



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Useful websites – Cognito



Past Papers ▾

Exam Qs by Topic ▾

Videos ▾

Welcome to Cognito Resources

We have all the past papers that we could find, so select what you're looking for

Entrance Exams

KS3

GCSE

A-level

Past Papers

Qs by Topic

Videos

Biology

Chemistry

Physics



Cognito

@Cognitoedu 545K subscribers 399 videos

Hi - we make video lessons for GCSE science and maths. The lessons give...

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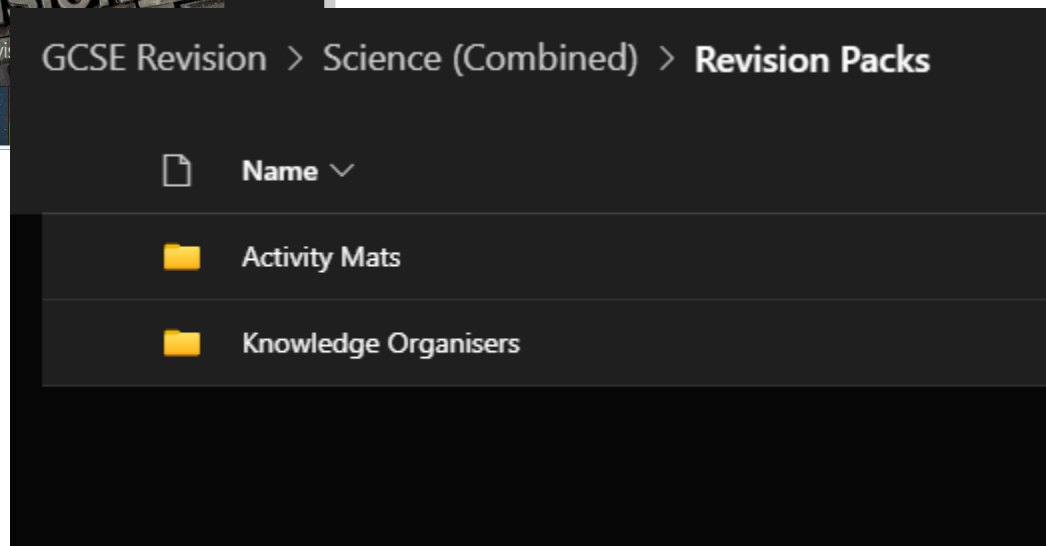
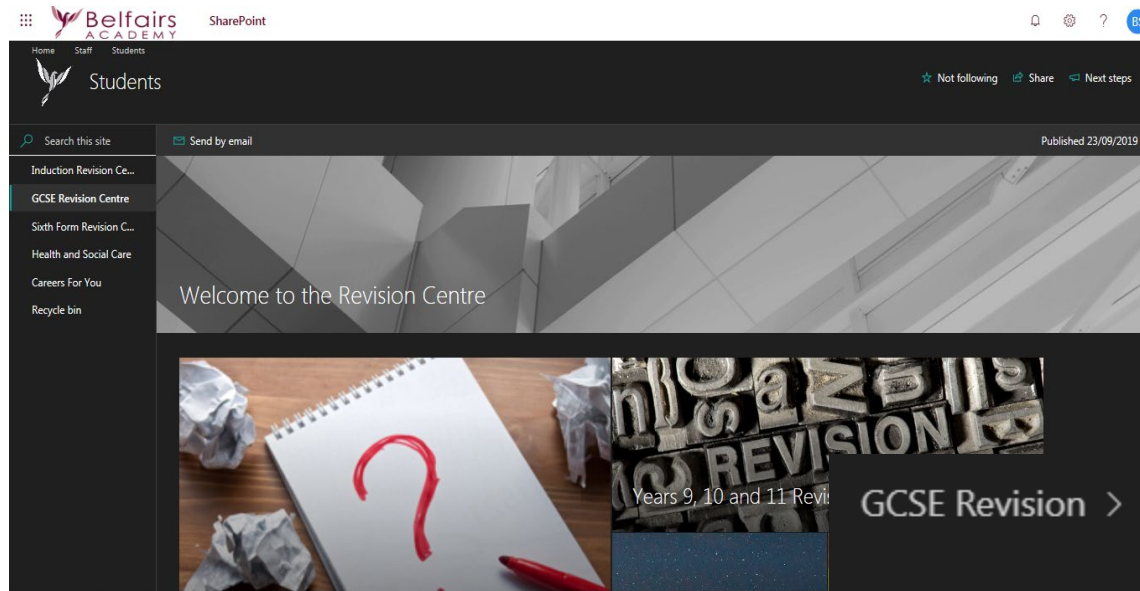
Popular

Oldest



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Revision Centre



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Combined Science Homework

Two types of homework, one of each per fortnight.

Class teacher homework

Learning homework



Supporting your child with Learning Homeworks

This is where you can really help your child prepare and revise for their GCSE:

- Get them to make flash cards on them.
- Test them verbally on these Qs.
- Get them to write out the answers and check answers.



P6 Intervention

Science – Thursdays.

Sessions to begin shortly – this will be communicated home.

Students will be invited to sessions that they should attend.



Triple Science

Students in sets 11SP & 11NP

These students will take 3 separate GCSEs,
Biology, Chemistry & Physics



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Triple Science

For each subject:

- 2 papers of 1 hour 45 minutes
- each paper is 100 marks
- Different topics in Paper 1 & 2
- The three grades are totally independent



Triple Science

Classes have a specialist teacher for each of the three subjects.

4 hrs Biology

3 hrs Chemistry

3 hrs Physics



Triple Science

Students are told which topics will be in each paper.

Usually, paper 1 is before summer half term and paper 2 is afterwards



Triple Science



GCSE PHYSICS

(8463)

Specification

For teaching from September 2016 onwards
For exams in 2018 onwards

Version 1.1 30 September 2019



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Triple Science

2 Specification at a glance

This qualification is linear. Linear means that students will sit all their exams at the end of the course.

2.1 Subject content

1. [Energy](#) (page 17)
2. [Electricity](#) (page 23)
3. [Particle model of matter](#) (page 32)
4. [Atomic structure](#) (page 36)
5. [Forces](#) (page 43)
6. [Waves](#) (page 59)
7. [Magnetism and electromagnetism](#) (page 67)
8. [Space physics \(physics only\)](#) (page 72)



Triple Science

2.2 Assessments

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.

Paper 2:
What's assessed Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics. Questions in paper 2 may draw on an understanding of 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.



Triple Science

4.1.1 Energy changes in a system, and the ways energy is stored before and after such changes

4.1.1.1 Energy stores and systems

Content	Key opportunities for skills development
<p>A system is an object or group of objects.</p> <p>There are changes in the way energy is stored when a system changes.</p> <p>Students should be able to describe all the changes involved in the way energy is stored when a system changes, for common situations. For example:</p> <ul style="list-style-type: none">• an object projected upwards• a moving object hitting an obstacle• an object accelerated by a constant force• a vehicle slowing down• bringing water to a boil in an electric kettle. <p>Throughout this section on Energy students should be able to calculate the changes in energy involved when a system is changed by:</p> <ul style="list-style-type: none">• heating• work done by forces• work done when a current flows	<p>The link between work done (energy transfer) and current flow in a circuit is covered in Energy transfers (page 29).</p> <p>WS 4.5</p>



Triple Science

Students need to know:

- Scientific content
- Required practicals
- How to use data
- Formulas (mainly physics)
- Equations (mainly chemistry)



Triple Science

Scientific content:

A lot of learning, simple recall,
knowing definitions and applications

*Flashcards, mind maps, revision
books*



Triple Science

Required practicals:

Understanding what is the purpose of a practical and how it is carried out.

Class practicals, online videos, single page summary sheets



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Using data:

Questions give data in a table or graph, interpreting information, calculations using the data.

Past papers, revision books, online videos



Triple Science

Physics formulas and Chemistry equations:

Old fashioned learning of facts.

21 physics formulas

Know the units, conversions & rearranging formulas

Formula sheets, blind testing, past paper questions

