

Welcome

Year 10 Steps to Success

Summer 2024

Key dates

Summer assessments begin on Monday 17th June.

This is 9 weeks away.

They will take place in the exam hall in full exam conditions.

Key dates

Year 10		am		pm
Thursday 13th June	Photography		180 mins	
Friday 14th June	Art & Textiles		180 mins	
Monday 17th June	Maths paper 1		90 mins	English Language 105 mins
Tuesday 18th June	Chemistry		75 mins	Business 105 mins
Wednesday 19th June				Geography 105 mins
Thursday 20th June	Physics		75 mins	English Literature 110 mins
Friday 21st June	MFL		45/60 mins	Music Tech 90 mins
				Music 90 mins
				Food Prep & Nutrition 105 mins
				Statistics 90 mins
Monday 24th June	Maths paper 2		90 mins	Graphics 90 mins
Tuesday 25th June	Biology		75 mins	Psychology 80 mins
Wednesday 26th June	History		120 mins	Computer Science 60 mins
				Sports Studies 75 mins
Thursday 27th June	RS		60 mins	Drama 90 mins
				IT 60 mins
Friday 28th June				
Monday 1st July	MUSIC TECH NEA		180 mins	
	DT		120 mins	



Revision Lists

The booklet that you were given contains the following:

Full timetable of all year 10 mocks

Revision lists for every subject

Practical advice for you to complete at home

The advice you receive tonight will also be replicated over the next 8 weeks during PDR.

Pastoral Team

Mr Mc Cann – Head of KS4

Mrs Lee – Progress Leader

Mrs Rodgers – Pastoral Leader

Mrs Woodroffe – Pastoral Assistant

Attend to Achieve



LOST MINUTES =
LOST LEARNING!



GROWTH  RESPECT  EXCELLENCE  ASPIRATION  TEAMWORK

Attendance

Every moment in school counts, and days missed add up quickly. For example, a child in Year 10 who is absent for three days over a half term could miss 15 lessons in total.

The higher a pupil's attendance, the more they are likely to learn, and the better they are likely to perform in exams and formal assessments.

Maths



Mr Hay – Head of Maths

Mrs Starkey – Head of Key Stage 4

- We follow the AQA specification (AQA 8300) for Mathematics.
- In the Year 10 exams in June 2024, Students sit **two** exam papers that are **1 hour 30 minutes** each in length.
- Paper 1 is **non-calculator**; Paper 2 is a **calculator exam**
- There are two tiers – **Foundation** (Grades 1-5) and **Higher** (Grades 4-9).
- Tier taken on summer assessment primarily based upon class
- Anything can be on any paper – modify revision list each exam
- Maths across subjects – Sciences, Geography, Business Studies,

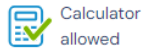
8	Further Maths
7	Mathematics 7×7 – Oxbridge
6	A-Level Science Medicine
5	Strong pass
4	Standard Pass No resit

Maths

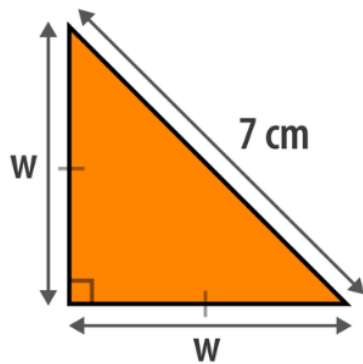
Sparx

Weekly Homeworks
Compulsory, Boost XP, Target

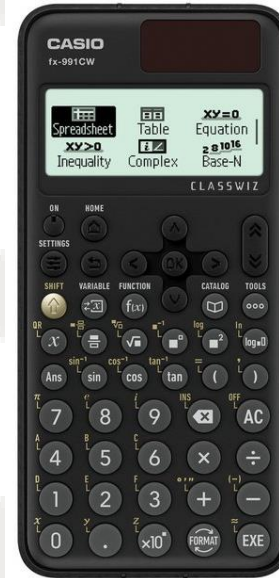
Bookwork code: 3A



Use Pythagoras' theorem to calculate the value of w in this isosceles triangle.
 Give your answer in centimetres (cm) to 1 d.p.



Equipment



Maths across subjects

- GCSE**
- Science
 - Art and Design
 - Business Studies
 - Computer Science
 - Design Technology
 - Geography
 - Music
 - Nutrition
 - Psychology
 - Sports Studies
 - Statistics



English

Ms Douglas – Head of English

Miss Jackson – Acting Key Stage 4 Co-ordinator

Mr Finn – Key Stage 4 Co-ordinator from May 2024

Students sit four exam papers at the end of year 11 for **TWO GCSEs for English:** English Language and English Literature.

We follow the **AQA** specifications for both.

English Language

Paper 1: Explorations in creative reading and writing (fiction).

1 hour 45 minutes

Students read an extract from a fictional text. They then answer four reading questions about the text before crafting their own piece of creative writing.

Paper 2: Writers' viewpoints and perspectives (non-fiction).

1 hour 45 minutes

Students read two non-fiction sources. They then answer four reading questions about both texts before crafting a piece of writing where they express their point of view in response to a given statement.

ONLY Paper 1 will be assessed for the year 10 mock exams.

An English Language revision guide is available on Wisepay for £5.



Paper 1: Shakespeare and the 19th century novel

1 hour 45 minutes

Section A: **Macbeth**

Section B: **A Christmas Carol**

Paper 2: Modern texts and poetry

2 hours 15 minutes

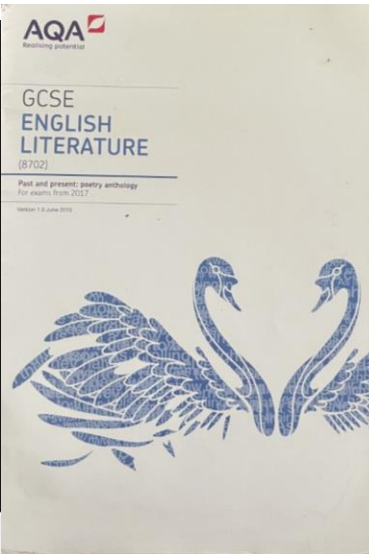
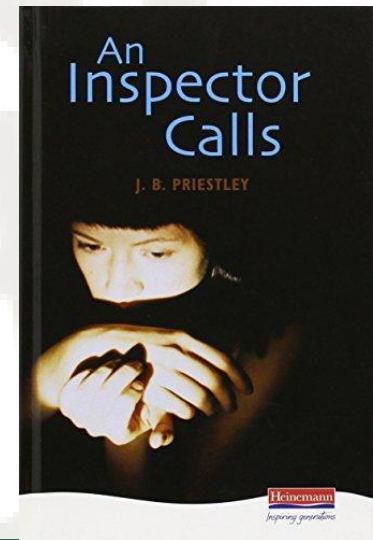
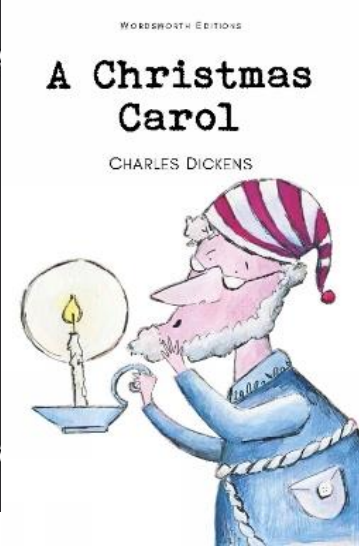
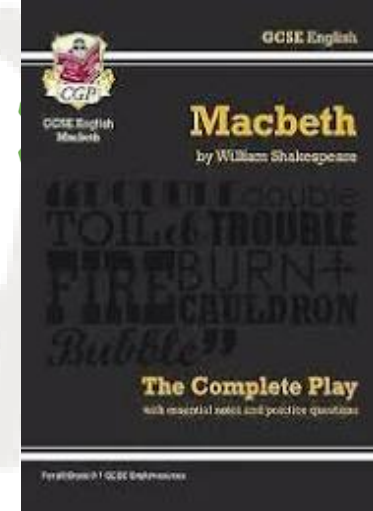
Section A: **An Inspector Calls**

Section B: **Power and Conflict poetry anthology**

Section C: **Unseen poetry**

For the year 10 mock exam, students will only be assessed on Section A from Paper 1 (Macbeth) and Section B from Paper 2 (Power and Conflict Poetry).

A bundle of revision cards for all four GCSE texts are available on Wisepay for £10.



Science



Head of Science – Miss Dulson

Head of Biology – Mr Davies

Head of Chemistry – Miss Wilson

Head of Physics – Miss Warne

Students sit **six** exam papers and gain TWO or THREE GCSEs depending on the science pathway (this will be decided at the end of Yr.10)

We follow the **AQA** specifications for both.

Science

	Biology	Chemistry	Physics
Paper 1	Cell Biology Organisation Infection and response Bioenergetics	Atomic structure and Periodic Table Bonding, structure and properties Calculations used in Chemistry Chemical changes Energy Changes	Energy Electricity Particle model of matter Atomic Structure
Paper 2	Homeostasis and response Inheritance and genetics Variation and evolution Ecology	Rate of reaction Organic chemistry Chemical analysis Chemistry of the atmosphere Using resources	Forces Waves Magnetism and electromagnetism

Style of questions - Multiple choice, structured, closed short answer and open response

Scientific ideas flow through the curriculum to support in building a deep understanding of fundamental Science concepts and principles, the content is embedded by using and applying;

- Scientific skills
- Specific vocabulary , quantities, units and symbols
- Maths skills

Science

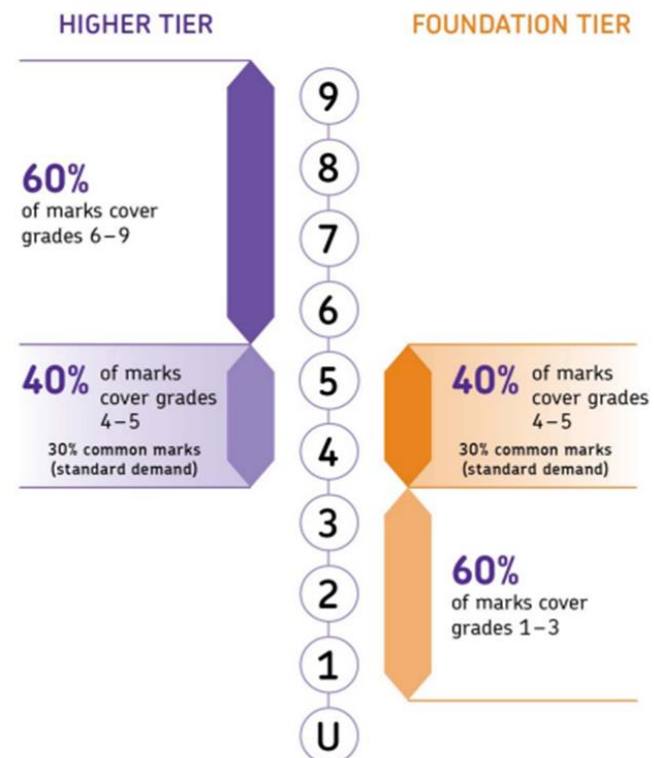
Trilogy Science
Separate Science

HT or FT?

	Trilogy (Combined Science)	Separate
Number of exams	6 (two for each discipline) Each exam makes up 16.7% of the overall grade	6 (two for each discipline) Each exam makes up 50% of each GCSE
Exam detail	1hr 15minutes 70 marks	1hr 45minutes 100 marks
Number of GCSE	2	3
Tiers available	Foundation and Higher	Foundation and Higher

You will study all three Sciences on either route

Separate science will study 1/3 more content than trilogy science in the same allocated time



Information used to determine the correct pathway

- Assessment data from KS3 and Yr.10 assessments
- Class teacher input
- Student interest and aspirations

Mocks and assessments

- All students are sitting the same paper for each discipline other than the type of paper which is determined by set.
- 3x papers, 1 for each discipline, 75 minutes each
- Use revision lists and revision links on Bromcom or the school website
- Ask you teacher if you require any additional resources
- Any questions just ask!

**You need to learn your
physics equations!!!**

Subject: Science		
Year 10		
Exam Board: AQA		
Biology Cell Biology Organisation Infection & Response Bioenergetics	Chemistry Atoms Bonding Chemical Changes Energy Changes Rates of Reaction Chemical Analysis Earth and atmosphere (including crude oil)	Physics Energy Electricity Molecules and Matter Radioactive Materials

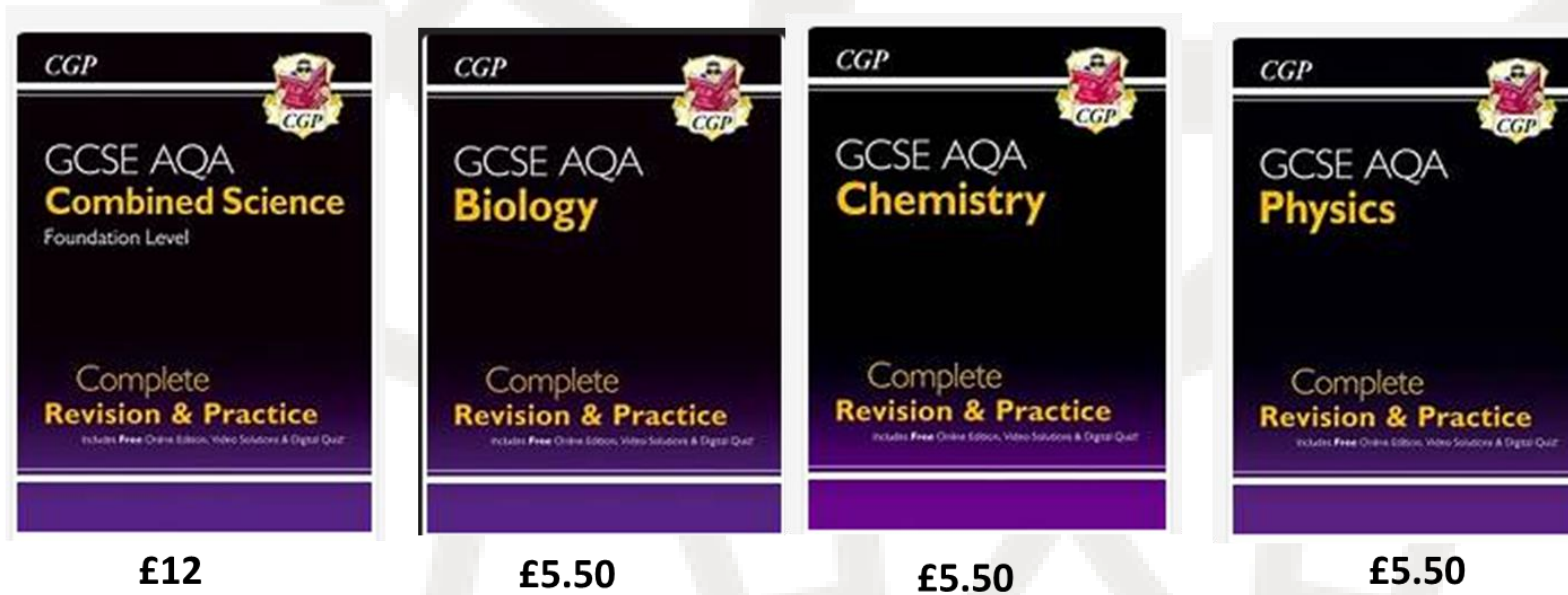


Revision list

Date	Biology	Chemistry	Physics
22/4	Cell structure and microscopy	Atoms and the Periodic Table	Energy Stores and transfers
29/4	Cell division	Ionic Bonding	Energy resources
6/5	Digestive system & enzymes	Covalent Bonding	Thermal Energy- Specific heat capacity and latent heat
13/5	Blood and circulatory system	Metallic Bonding	Current electricity- series and parallel circuits
20/5	Mass transport in plants	Making and naming Salts	Current Electricity- Resistance and IV Characteristics
27/5	Infection and response	Acids and Alkalis	Electricity in the home- AC/DC and plugs
3/6	Photosynthesis	Earth & Atmosphere	Atomic structure and nuclear radiation
10/6	Respiration	Rates of Reaction	Half life and uses of radiation

Support and equipment

- Ask your subject teacher and use resources they recommend and provide
- Revision guides
- For all science exams you will need a pen, ruler, pencil, rubber and scientific calculator



Revision scheduled homework timetable

Use the linked resources to complete a revision task on each of the following areas (one for each science)

e.g. create flash cards, mind maps, keywords and definitions, complete Cognito lesson, BBC bitesize quiz

You should take 30 minutes to 1 hour on each science.

Then complete the educake quiz to test your knowledge.

Week	Subject	Topic	Cognito lesson	Website/additional link	Educake Quiz	Keywords
A (15/4/24)	Biology	Preventing the spread of disease Drug development and vaccines	Cognito spread of disease lesson Drug development & vaccines cognito	BBC bitesize vaccines	Educake preventing spread of disease Trilogy	communicable, disease, bacteria, spread, hygiene, isolation, infected, vector, disinfectant, control
	Chemistry	History of the atom and history of the Periodic Table	History of the Atom History of the Periodic Table	History of the Atom Notes History of the Periodic Table Notes	History of the Atom and Periodic Table	Dalton, Thomson, Rutherford, Bohr, Chadwick. Gold foil experiment, plum pudding model, nuclear model. Mendelev, Properties,

How to revise

We are now going to break off into the groups you have been assigned as you walked into BHT.

There are 3 sessions:

1. English
2. Maths
3. Science

In each session you will be given some subject specific revision strategies.

How to revise

The following staff will be in the following rooms

HM2 - Mrs. Douglas

HM3 - Mrs. Kane

HM4 - Mr. Hay

HM5 – Miss. Benzies

HM6 – Mr. Davies

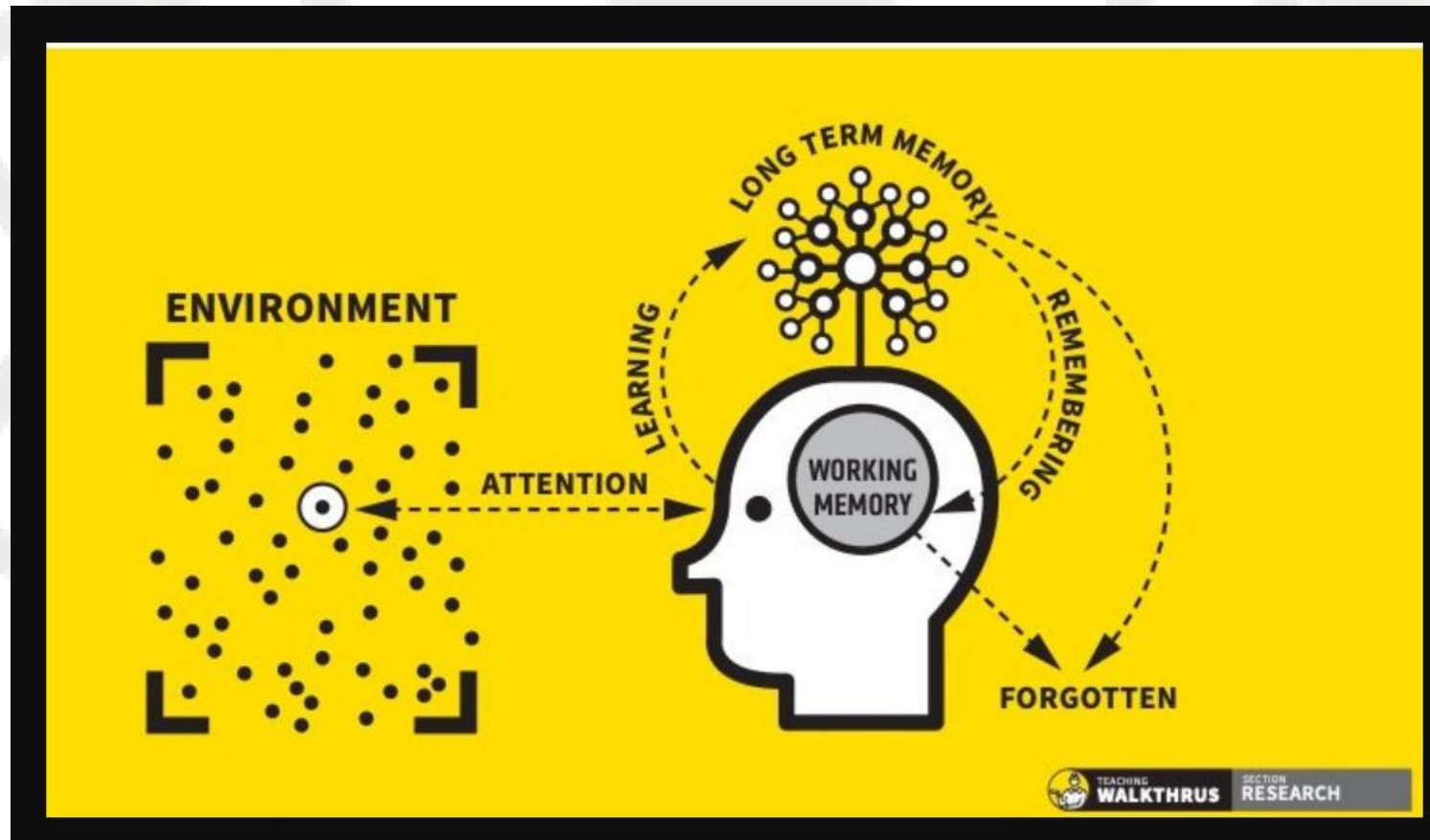
HM7 – Mrs. Stone

If you have any questions specifically regarding Science then Miss Dulson will be in IT5

Mr McCann and Mrs Lee are also available



How to revise



GROWTH



RESPECT



EXCELLENCE



ASPIRATION



TEAMWORK

Where you study

Quiet

Tidy

Away from distractions.



How you study

Know what you do not know.







Collate your notes

Apply your notes

Review



What do you do?

<p> What is the equation linking...</p> <ul style="list-style-type: none"> • E_k = kinetic energy • m = mass • v = speed <p style="text-align: right;">Q-1</p> <p><small>Primrose Kitten – YouTube Tutorials for Science and Maths</small></p>	<p> What is the equation linking...</p> <ul style="list-style-type: none"> • E_p = gravitational potential energy • m = mass • g = gravitational field strength • h = height <p style="text-align: right;">Q-2</p> <p><small>Primrose Kitten – YouTube Tutorials for Science and Maths</small></p>
<p> What is the equation linking...</p> <ul style="list-style-type: none"> • P = power • E = energy transferred • t = time <p style="text-align: right;">Q-3</p> <p><small>Primrose Kitten – YouTube Tutorials for Science and Maths</small></p>	<p> What is the equation linking...</p> <ul style="list-style-type: none"> • P = power • W = work done • t = time <p style="text-align: right;">Q-4</p> <p><small>Primrose Kitten – YouTube Tutorials for Science and Maths</small></p>
<p> What is the equation linking...</p> <ul style="list-style-type: none"> • Efficiency • Useful power out • Total power in <p style="text-align: right;">Q-5</p> <p><small>Primrose Kitten – YouTube Tutorials for Science and Maths</small></p>	<p> What is the equation linking...</p> <ul style="list-style-type: none"> • Efficiency • Useful energy out • Total energy in <p style="text-align: right;">Q-6</p> <p><small>Primrose Kitten – YouTube Tutorials for Science and Maths</small></p>

Flashcards

Good for:

- Names, dates, facts, equations and quotes.

Can be used by parents to quiz students.

What do you do?

	Name Course name Period Date
Essential Question →	How Can I be Successful in Class?
	<p>Why should I ask questions?</p> <p><u>Ask Questions</u></p> <ul style="list-style-type: none"> - Keeps you engaged in lesson - Teacher views you as good student
	<p>Where should I sit?</p> <p><u>Sit up Front</u></p> <ul style="list-style-type: none"> - Keeps you focused
Questions →	<p>Why should I take notes?</p> <p><u>Take Notes</u></p> <ul style="list-style-type: none"> - Keeps you engaged in lesson - Have something to study
	<p>What kind of help can I get?</p> <p><u>Get Help When Needed</u></p> <ul style="list-style-type: none"> - Ask teacher - After school tutoring - Tutorials
Summary →	<p style="text-align: center;"><u>Summary</u></p> <p>There are several ways to be successful in class. First, you should ask questions. Second, you should sit in the front of the class. You should also take notes and get help when you need it.</p>

Cornell Notes

Good for:

Organising broad points and the big 'overview' of topics.

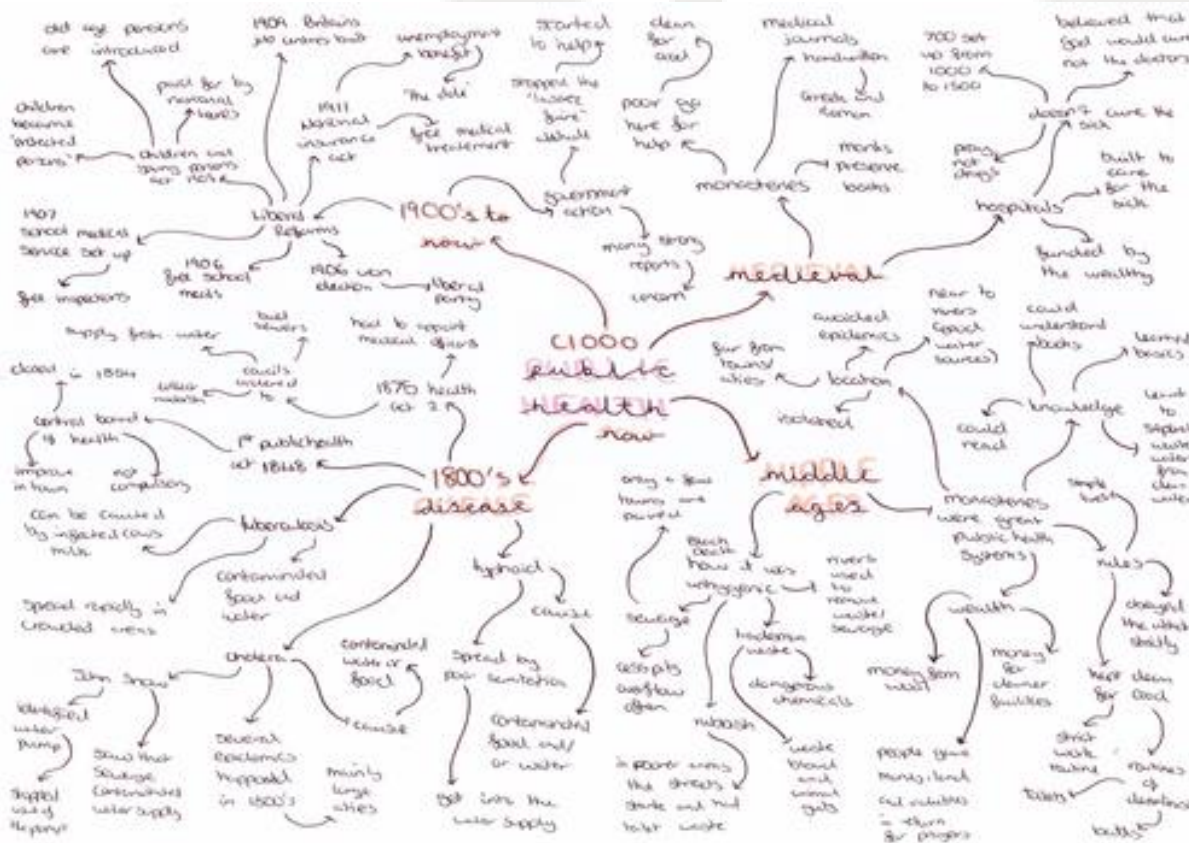
What do you do?

Mind maps

Good for:

Link big topics together

Planning essays

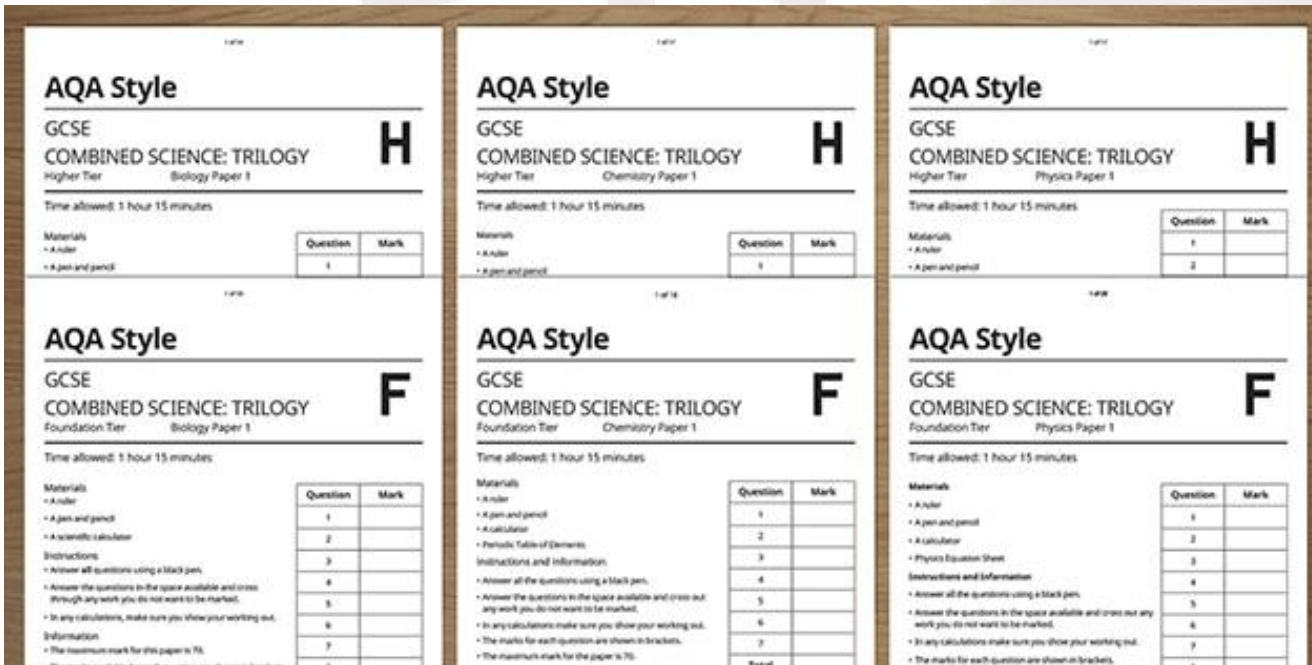


What do you do?

Past Papers

Good for:

Applying knowledge best to be used in timed conditions.



T.O.R

To see the best value for your hard work you need see revision in three points.

Give yourself **TIME** to revise the content.

Get yourself **ORGANISED** to make the most of time.

Allow yourself to **REFLECT** on your progress.