WELCOME TO THE

YEAR 10 CORE ACHIEVING EXCELLENCE

EVENING

Mr M Leonard-Rendell
Raising Standards Leader (KS3 & KS4)

Mr S Tweedle
Assistant Raising Standards Leader (KS3 & KS4)

Mr L Wood
Assistant Headteacher

Mrs A Bateman & Mrs J Emon
Head of Science & Assistant Head of English

Agenda

- Welcome to KS4
- KS4 Journey
- Careers information and guidance
- Previous study skill workshop
- English, Science and Maths workshops

Key Stage 4

- Already had a fantastic start to KS4
- Change to study KS4 curriculum and GCSE content
- Homework
- Looked at as role models and future school leaders

Wellbeing and extra-curricular activities

- Tennis
- Football
- Badminton
- Table tennis
- Athletics
- Art Club
- Choir
- Crochet club

WELLBEING AND SUPPORT

WHERE CAN I GET SUPPORT?

If you are worried about anything at school and need some support, here is how you can access it.

REPORT CONCERNS ~ you can use the Report A Concern form on our website: **www.thehambleschool.co.uk/report-concerns**

WORRY BOX ~ write your worry on a piece of paper and pop it in the worry box in **Tokyo** block (opposite **T1**). Please remember to include your name and tutor group.

You can also get support by emailing **staysafe@thehambleschool.co.uk** or talk to an adult in school.

WELLBEING AND SUPPORT

https://www.thehamblesschool.co.uk/weekly-message-5-september-2025/wake-up-wednesday/

YEAR 10 ASSESSMENTS

Key Dates – Autumn Term

- w/c 29 September – Review Assessment Week PR1
- w/c 20 October – Year 10 Progress Review 1 Report
- w/c 24 November – Review Assessment Week PR2
- w/c 15 December – Year 10 Progress Review 2 report

Key Dates – Spring Term

- w/c 16 March – Review Assessment Week PR3
- w/c 20 April – Year 10 Progress Review 3 Report

YEAR 10 PPEs (MOCKS)

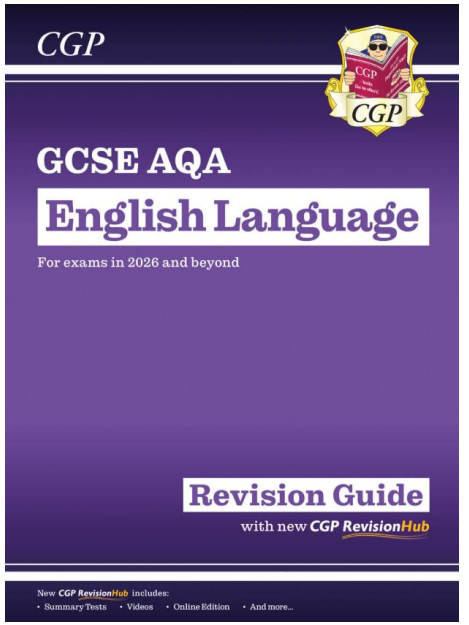
- Provisional – finalised by our next AEE for an early-access resource
- Wednesday 17 June 2026 – Friday 3 July 2026
- Speaking/ practical exams may be before this date
- Progress Review 4
- w/c 13 July 2026 – Year 10 Progress Review 4 Report
- Sat in either the Sports Hall or Access Arrangement rooms in the Skills Centre

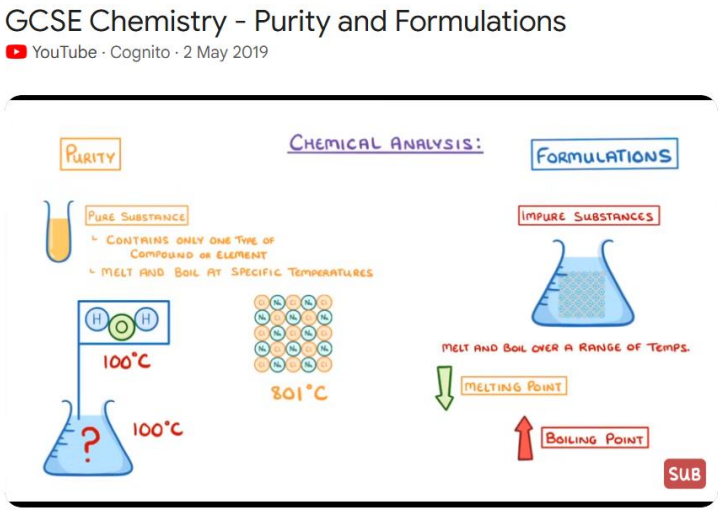
PARENTS' EVENINGS

- Parents' Evening – Thursday 30 April 2026
- Study Skills Achieving Excellence Evening – Tuesday 2 June 2026
- We will also hold a further *INVITATION ONLY* consultation evenings throughout the year for those who require additional support.

Getting ahead

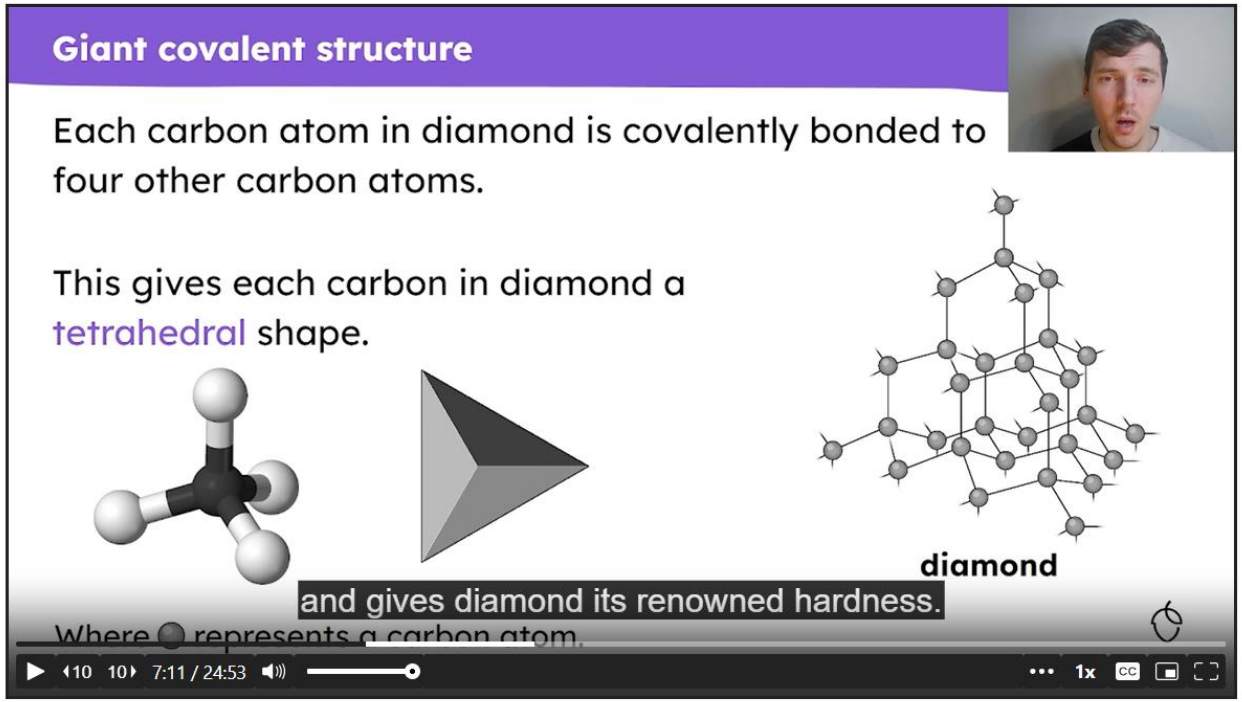
- Look at the schemes of work
- Check you know what topics are being examined in each paper
- Read around the subject
- Have revision guides ready
- Watch subject specific videos – flipped learning





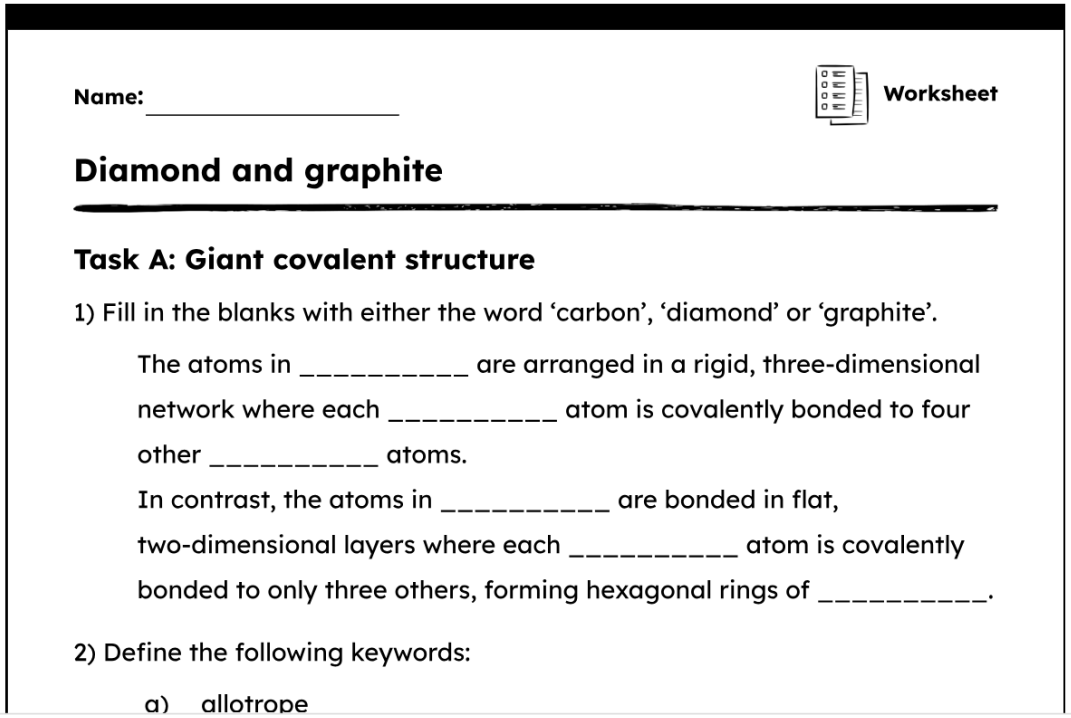
Knowledge gaps - Oak National Academy

Lesson video



Worksheet

Download worksheet



Name: _____

Worksheet

Diamond and graphite

Task A: Giant covalent structure

1) Fill in the blanks with either the word 'carbon', 'diamond' or 'graphite'.

The atoms in _____ are arranged in a rigid, three-dimensional network where each _____ atom is covalently bonded to four other _____ atoms.

In contrast, the atoms in _____ are bonded in flat, two-dimensional layers where each _____ atom is covalently bonded to only three others, forming hexagonal rings of _____.

2) Define the following keywords:

a) allotrope

Where can I find post 16 information?

https://www.thehambleschool.co.uk/careers/

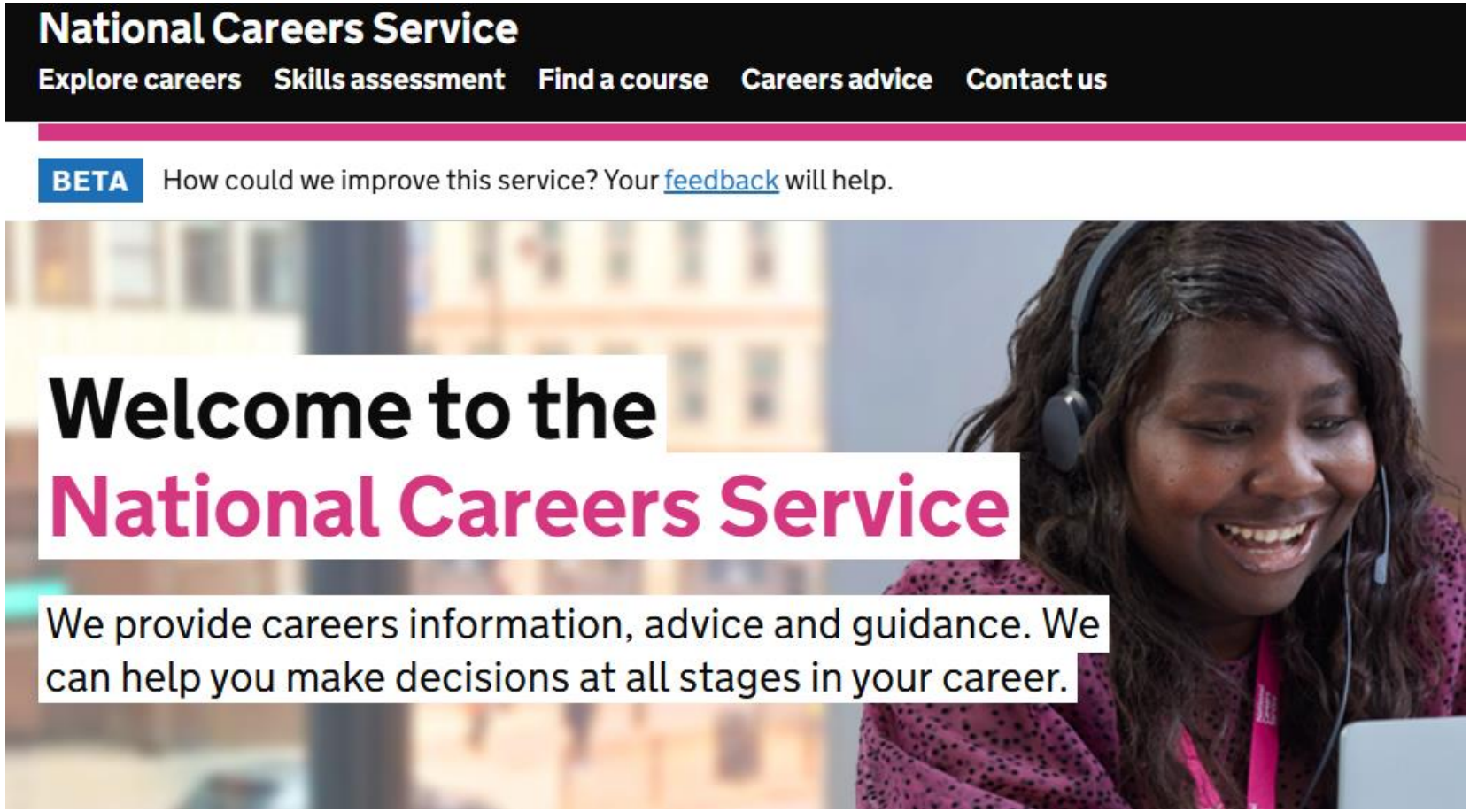
- Post-14 options (choosing your GCSEs)
- Post-16 options
- Post-18 options
- How to write a personal statement
- College interview questions
- College event schedule
- A Parent/ Carer guide to T-Levels
- Careers website links

Career Provision at The Hamble School

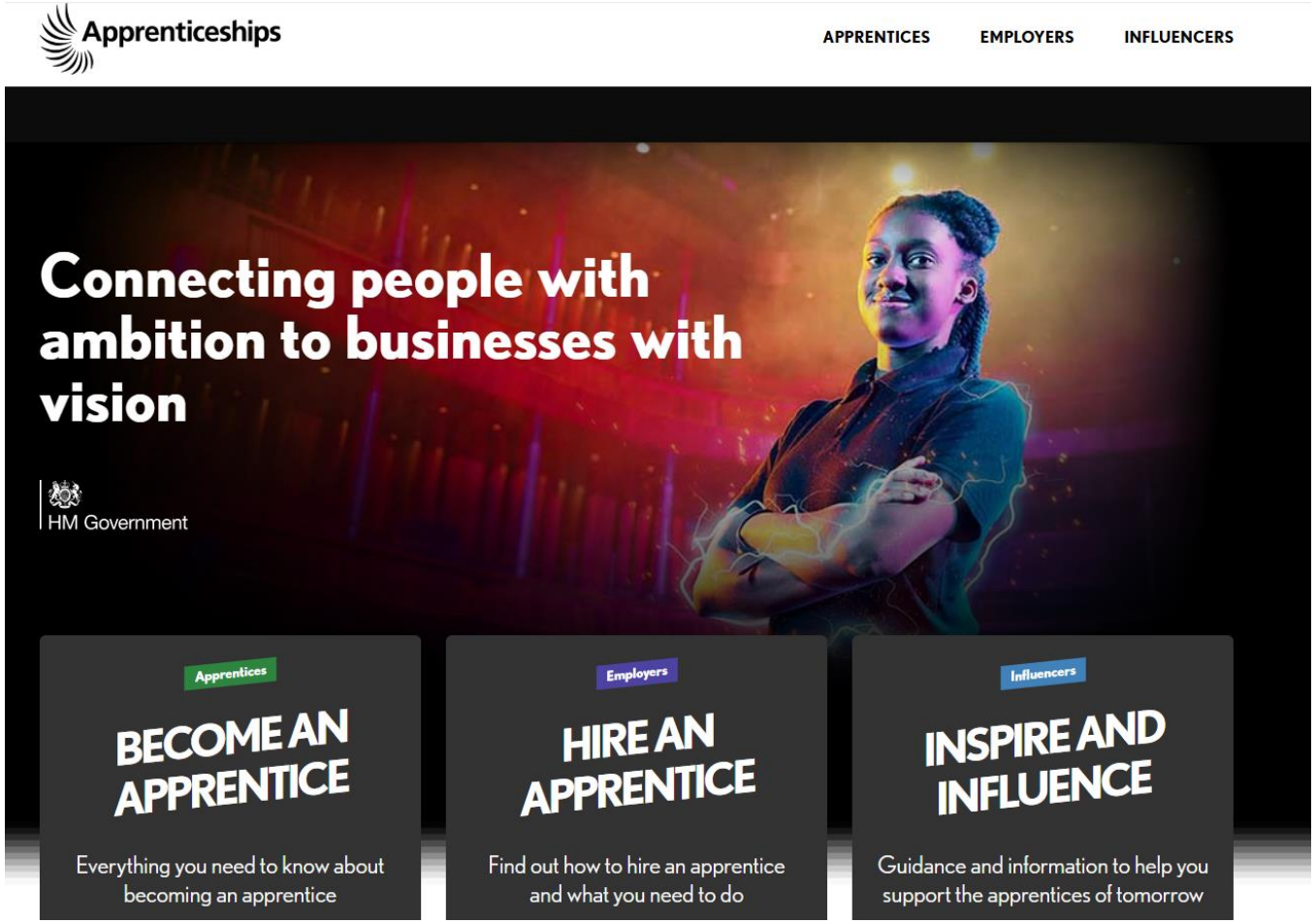
We provide students with the opportunity to:

- Make decisions and plan
- Explore opportunity awareness, self-awareness and job sectors
- Begin to identify some of their strengths and weaknesses
- Learn that hobbies and interests can influence career choices
- Be aware of self-marketing and start to develop employability skills
- Learn the importance of life-long learning

Careers information



Apprenticeships.gov.uk



Thinking about your future..

- What do you enjoy?
- Consider your influences
- How do you best learn?
- Ask for support

What to do next…

- Look at college websites and prospectuses
- Go to Open Events / Information Evenings
- Go to Taster Days

Previous study skills developed

- Dual Coding
  - Using images to help remember new content
- Concrete Examples
  - Specific examples/ facts for abstract ideas
- Multi-media Learning
  - Using videos from sources such as BBC Bitesize, subject-specific webpages and Oak National Academy to help you learn new information in different ways (smaller, manageable chunks)

Year 10 English
Achieving Excellence Evening

The Thematic Curriculum

Autumn 1	Autumn 2
The Power of Nature 1	The Power of Nature 2
Spring 1	Spring 2
Conflict in Society	Education
Summer 1	Summer 2
Minorities and Inequality	End of Year Exam Preparation

Units of Learning
Autumn 2-The Power of Nature 2

Power and Conflict Poetry Anthology	‘Extract from The Prelude’ ‘Storm on the Island’- Compare how poets present nature?
An Inspector Calls	Explore the ways in which Priestley presents Mrs Birling’s human nature compared to Eva Smith’s.
Unseen Poetry	In ‘The Clown Punk’ has does the poet present ideas about growing older? The narrators of ‘The Clown Punk’ and ‘When you are old’ both convey feelings about the nature of growing old. What similarities and differences are there in the way these feelings are conveyed?
Creative Writing- Fiction	Exploration of the writer’s craft- ‘Jaws’ / ‘More than This’ extracts.
Assessment- Creative Writing Fiction	Write a narrative based on the title ‘Hunted’.

How to Support Learning at home?

- Students have read the set texts in class in Year 9, but will benefit from re-reading these:

Romeo and Juliet

A Christmas Carol

An Inspector Calls

- Homework- Tasks are based on learning and revising key knowledge for the Literature Set texts as well as exam style questions for Language, which allow students to practice skills learnt in class. Tasks will be adapted to suit the needs of each class.

Topic:	Power and Conflict Poetry
Title:	‘Extract from The Prelude’
Objective:	How does the poet present ideas about power and conflict in ‘Extract from The Prelude’?
Purpose (how does this link to lessons?):	This will help you to revise one of the poems from the AQA Power and Conflict Anthology.
Activity:	Watch the following podcasts and create revision resources. These could take the form of a mind-map, bullet points or flashcards. 1. Context and the Poet’s intentions https://members.gcsepod.com/shared/podcasts/chapter/64880 2. Subject and themes https://members.gcsepod.com/shared/podcasts/chapter/64881 3. Key images https://members.gcsepod.com/shared/podcasts/chapter/64882 4. Language, structure and form https://members.gcsepod.com/shared/podcasts/chapter/64883 5. Literary techniques https://members.gcsepod.com/shared/podcasts/chapter/64884 **How do I log in?** You are able to set your own username and password for GCSEPOD the first time you log into the site. If you cannot remember your log-in details, send a message to your teacher on classcharts to let them know.

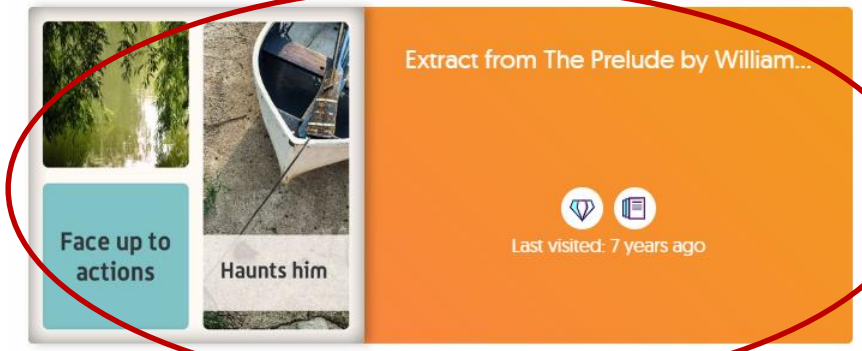
GCSEPOD Revision

Ozymandias by Percy Bysshe Shelley [AQA]

Last visited: 10 months ago

London by William Blake [AQA]

Last visited: 13 days ago

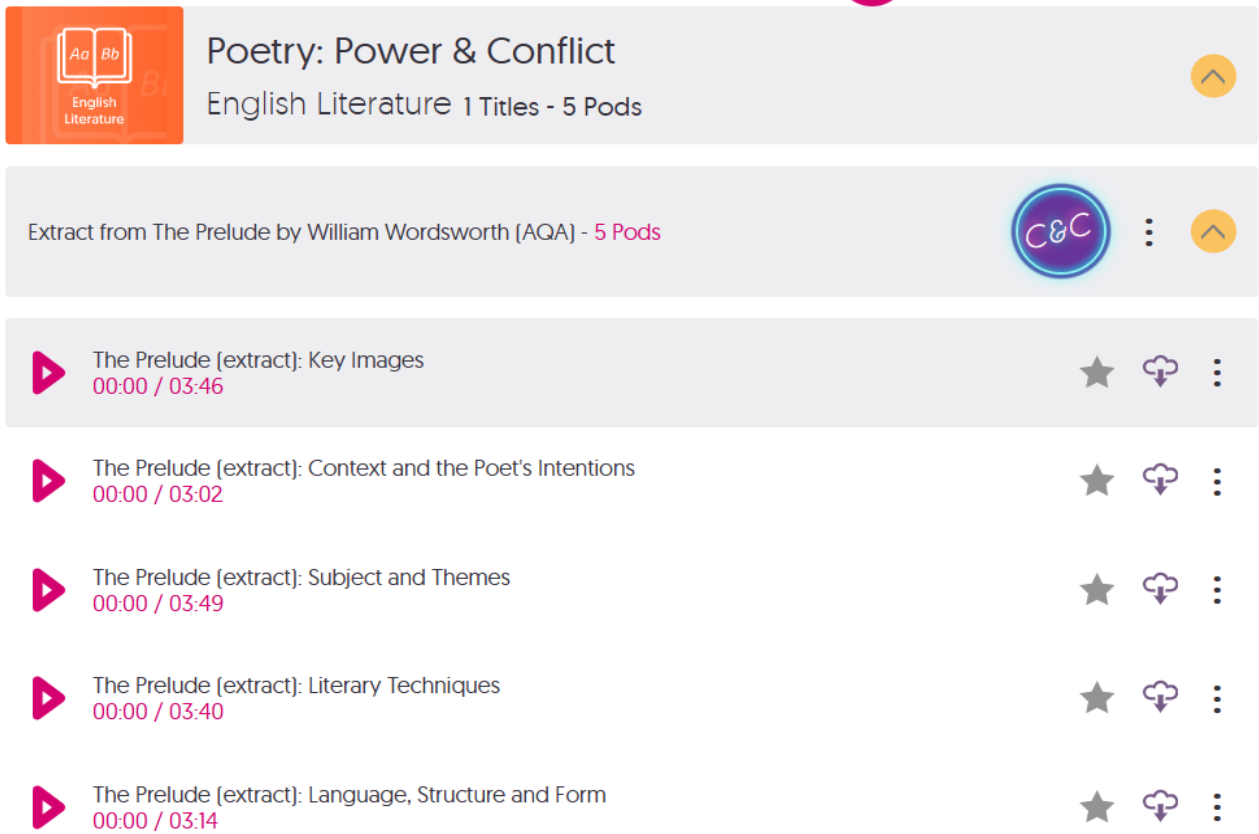


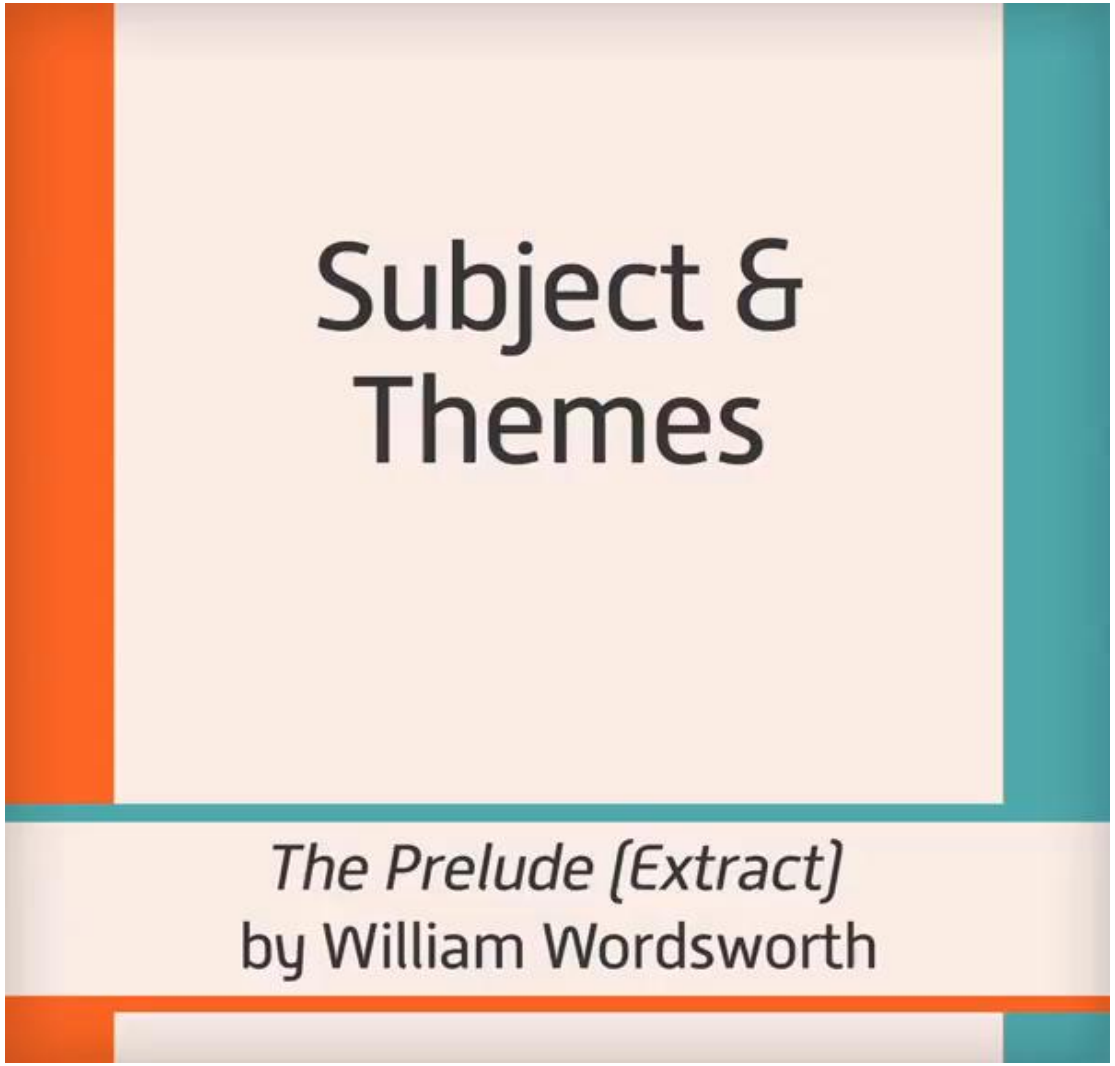
Extract from The Prelude by William...

Last visited: 7 years ago

My Last Duchess by Robert Browning [AQA]

Last visited: 5 years ago


Aa Bb
English Literature
Poetry: Power & Conflict
English Literature 1 Titles - 5 Pods
Extract from The Prelude by William Wordsworth (AQA) - 5 Pods
C&C
The Prelude (extract): Key Images
00:00 / 03:46
The Prelude (extract): Context and the Poet's Intentions
00:00 / 03:02
The Prelude (extract): Subject and Themes
00:00 / 03:49
The Prelude (extract): Literary Techniques
00:00 / 03:40
The Prelude (extract): Language, Structure and Form
00:00 / 03:14


Subject &
Themes
The Prelude (Extract)
by William Wordsworth

Science
Achieving Excellence Evening

Mrs Bateman – Head of Science

AQA Science

Combined

- 2 GCSEs (Based on average score of Biology, Chemistry and Physics)
- 6 papers - (1 hour 15 minutes)
- 2 papers for each area

Triple

- 3 GCSEs (One for Biology, Chemistry and Physics)
- 6 papers - (1 hour 45 minutes)
- 2 papers for each area

AQA Science

Year 10

- Cover all of the Paper 1 Content and start Paper 2 content
- Will have 3 PR Tests and a set of Mock Exams

Year 11

- Finish Paper 2 content
- Have one PR test and 2 sets of Mock Exams

AQA Science – Content

Year 10		
Biology	**Chemistry**	**Physics**
– B4.2 organisation – B4.3 Infection and Response – B4.7 Ecology	– C5.2 Structures and Bonding – C5.3 Quantitative Chemistry – C5.4 Chemical Changes – C5.5 Energy Changes – C5.6 Rates of Reaction	– P6.2 Electricity – Specific Heat Capacity – P6.4 Radioactivity – P6.5 Forces – P6.8 Space (Triple Only)
Year 11		
Biology	**Chemistry**	**Physics**
– B4.5 Homeostasis – B4.6 Inheritance, variation and evolution	– C5.7 Organic Chemistry – C5.9 Chemistry of the atmosphere – C5.10 Earths Resources	– P6.6 Waves – P6.7 Electromagnetism

Setting and Tiers

Classes are set for Science in Years 10 and 11. This is based on a variety of data including target grades and will be reviewed and changed throughout the year.

Students will sit either a HT Paper (Grades 4-9) or FT Paper (Grades 1-5) at the end of the year. The first conversations around tiering will start around Easter in Year 10.

We will discuss this in more detail with you at Year 10 parents evening on April 30th.

Lessons and Teaching

Your student will have two teachers.

One teacher covering Biology and some chemistry, and the other covering physics and some chemistry.

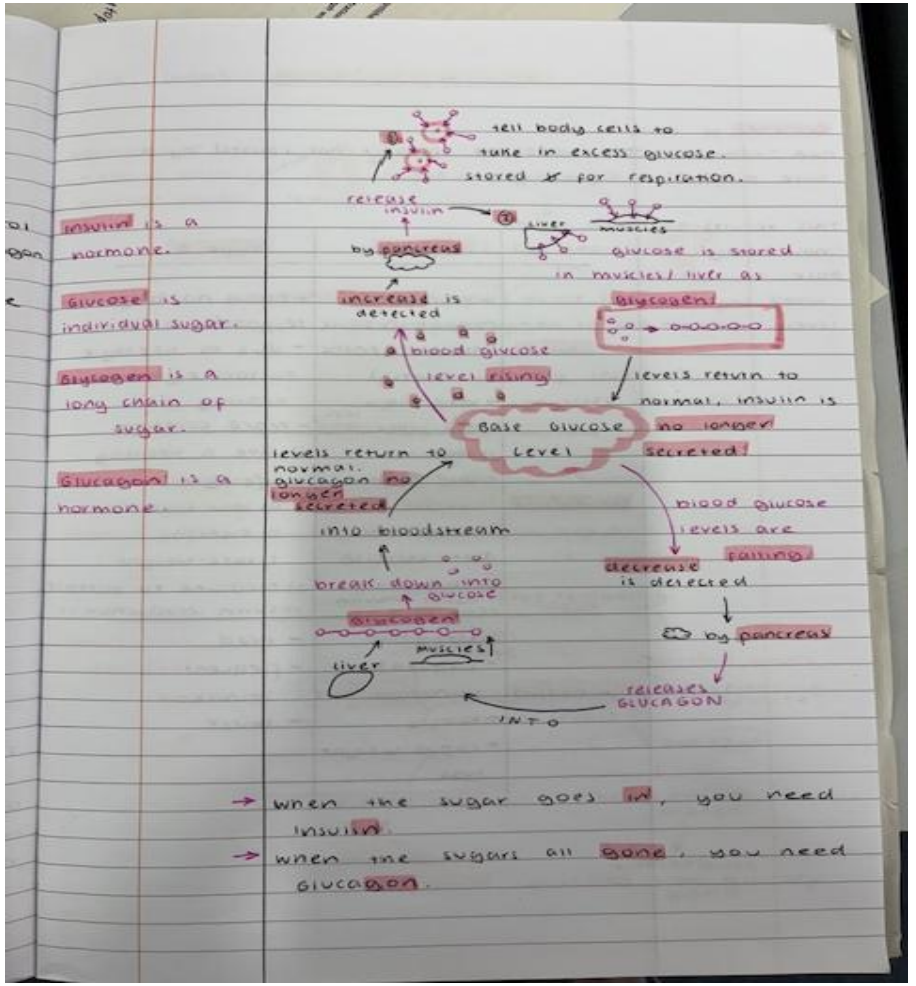
All lessons expect and need a high level of engagement from your student in order to get the most from the GCSE.

There is lots of content to learn, and any missed lessons should be caught up on independently.

Lessons and Assessment

All Lessons are taught using Blank Canvas Modelling and a Visualiser.

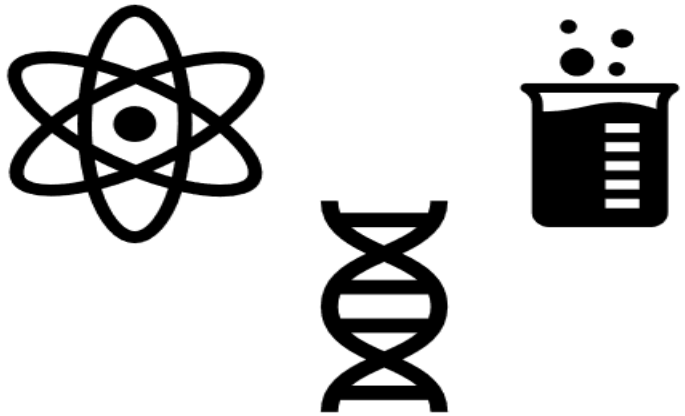
Assessment questions are completed for each topic, closed book and in exam conditions, they are then teacher marked and feedback given to students.



Home Learning

Your student should have homework set once a week from a homework booklet

Year 10 Science Revision Homework Booklet 1



Name:	

Revision Homework

Each week you will need to complete the revision activities on the page set to you by your teacher.

You will have 1 x 60-minute homework

It is recommended you do these at 2 different times as revision happens best in short 20-30-minute chunks.

Task 1: Revision Resource

How to attempt the revision set each week.

1. Look at the questions and brain dump what you know about that specific topic.
2. Use the links on the revision checklist to watch the video or visit the BBC bitesize page to refresh your knowledge on this topic.
3. Start making a revision resource for this topic. This could be in the form of:
    a. Answering the questions
    b. Making a Mind map
    c. Notes
    d. Flash cards etc.
4. Go back to the key points again and brain dump all you now know.

Task 2: Test Yourself

When you have completed your revision resource now is the time to test yourself.

You could:

1. Brain dump all you know about the topic.
2. Get someone to test you using flash cards
3. Try some online exam questions or use SENECA
4. Use your revision guides and the key questions at the end of each topic.

Remember the areas you struggled on and revisit these at regular intervals.

Week Beginning: 17th November

B4.2 Non-communicable diseases

1. Describe what happens in coronary heart disease
2. State the two treatments that can be used to help coronary heart disease
3. State what might happen if the heart valves become faulty, and state how they can treat this
4. State what a non-communicable disease is
5. State the risk factors that can increase non-communicable diseases
6. State why cancer develops
7. Describe the difference between a benign tumour and a malignant tumour

Knowledge Retrieval:

How can I help my student?

You can help by just taking an active roll in their home learning and revision.

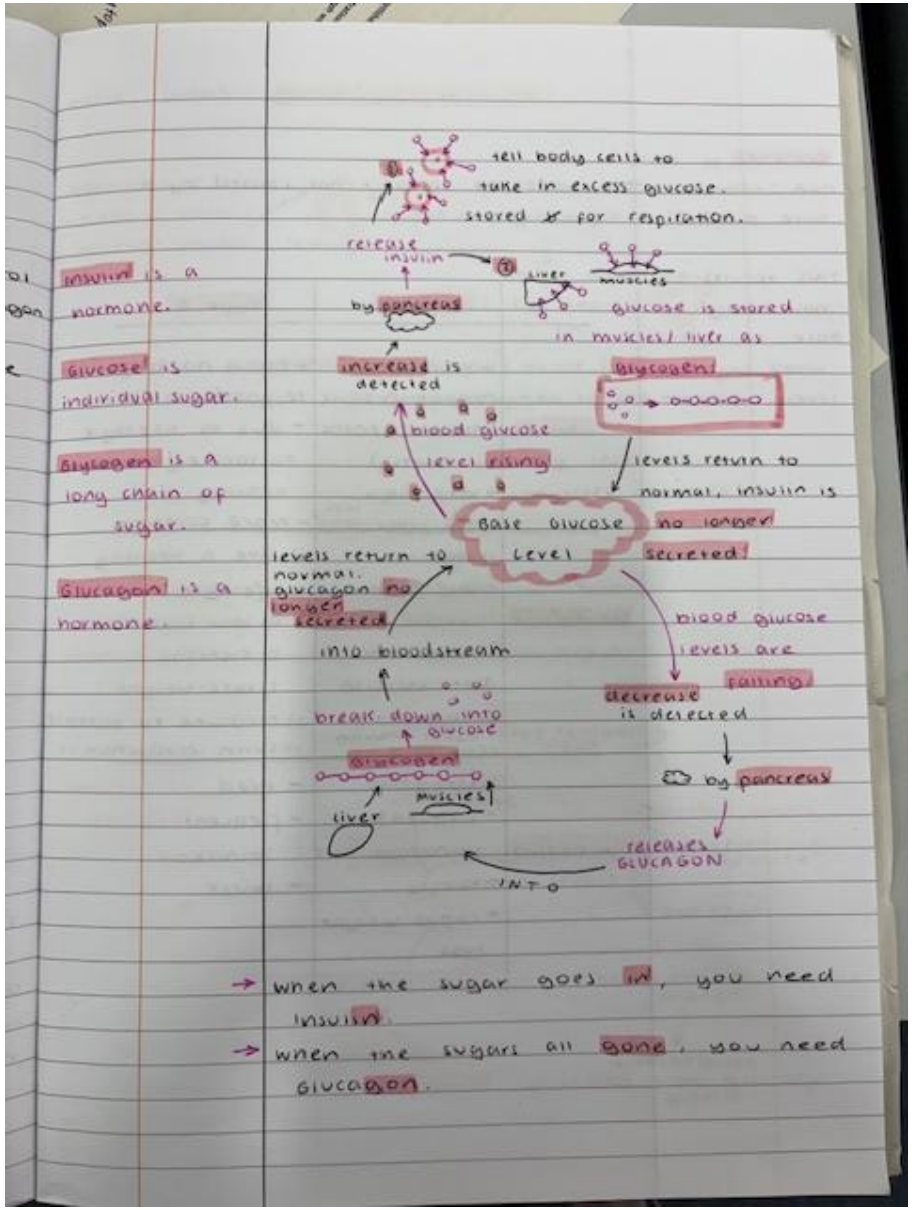
The more often your student goes over information the strong the connections will become in their brain-making the memory of the information stronger. Even by discussing and asking questions about what they remember about a topic can help.

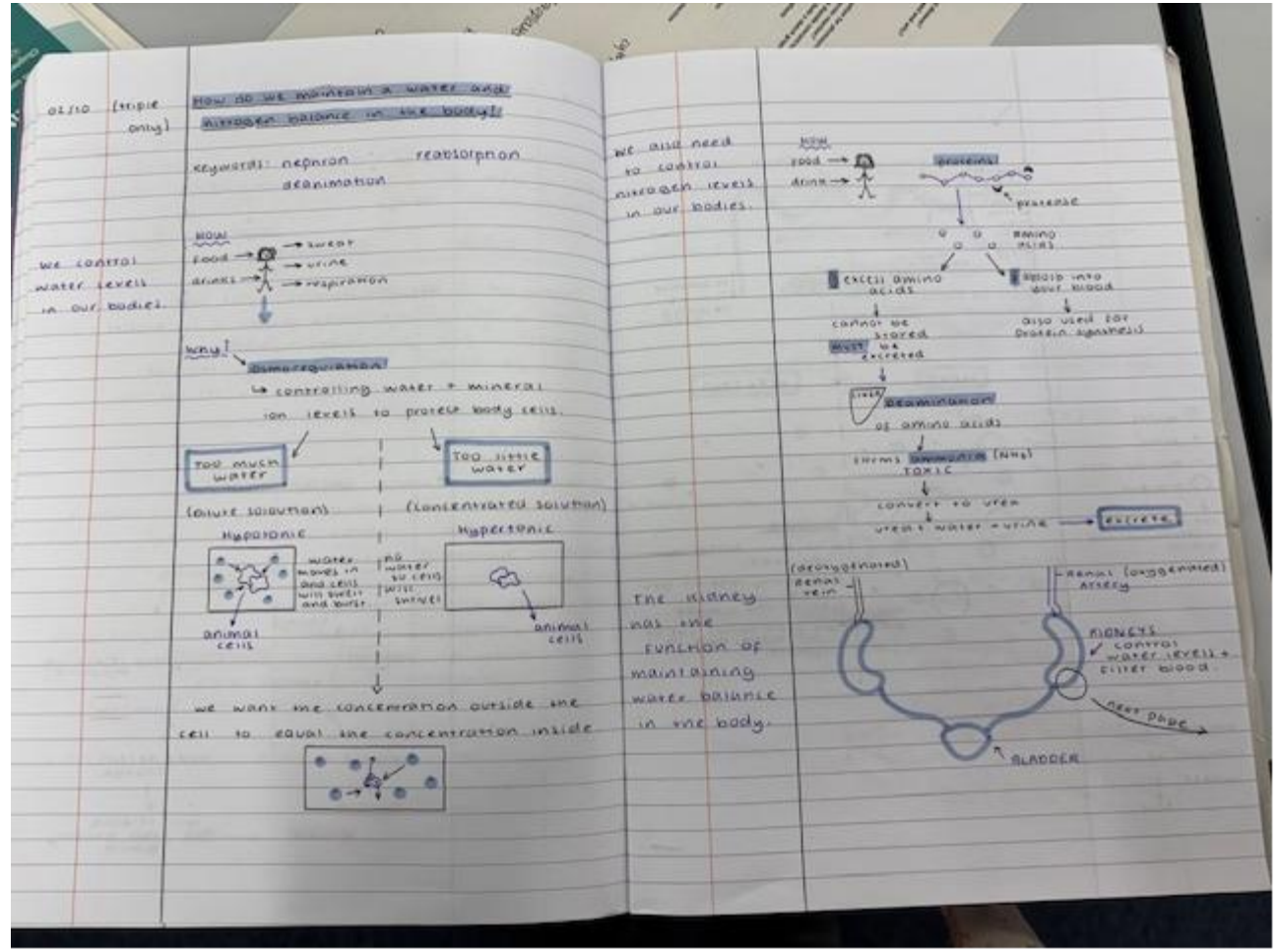
Encourage revision from as early as possible. Some ideas you could use:

1. Cover, Write, Look

Just how spellings used to be taught.

Our exercise books are set out to be used this way and it will quick show if your student remembers the information and to what degree of detail.


tell body cells to take in excess glucose. stored for respiration.
release insulin
by pancreas
liver
muscles
glucose is stored in muscles/liver as glycogen
increase is detected
blood glucose level rising
levels return to normal, insulin is no longer secreted
Base Glucose Level
levels return to normal. glucagon no longer secreted
into bloodstream
break down into glucose
glycogen
liver
muscles
blood glucose levels are falling
decrease is detected
by pancreas
releases GLUCAGON
INTO
insulin is a hormone.
Glucose is individual sugar.
Glycogen is a long chain of sugar.
Glucagon is a hormone.
when the sugar goes in, you need insulin.
when the sugars all gone, you need glucagon.


02/10 (triple only)
How do we maintain a water and nitrogen balance in the body?
keywords: nephron reabsorption deamination
we control water levels in our bodies.
How
food
drinks
sweat
urine
respiration
why?
osmoregulation
controlling water + mineral ion levels to protect body cells.
Too much water
Too little water
(dilute solution)
(concentrated solution)
Hypotonic
Hypertonic
water moves in and cells will swell and burst
no water to cells will shrivel
animal cells
animal cells
we want the concentration outside the cell to equal the concentration inside
we also need to control nitrogen levels in our bodies.
How
food
drink
proteins
protease
amino acids
excess amino acids
cannot be stored
must be excreted
liver
deamination of amino acids
forms ammonia (NH3) TOXIC
convert to urea
urea + water + urine
excrete
The kidney has the function of maintaining water balance in the body.
(deoxygenated) renal vein
renal (oxygenated) artery
KIDNEYS control water levels + filter blood
next page
BLADDER

2. Practice Exam Questions

Practice exam questions is a fantastic way to revise. Your student not only tests their knowledge, but gets to know the mark scheme and therefore what the exam board wants to see.

Where can we get them:

Ask your teacher (please allow time to find and print relevant questions)

AQA Website Past Papers

Savemyexams.com

Primrosekitten.com

Studymind.co.uk

Revisely.com

3. Flash Cards

Creating and using flashcards helps with the improving knowledge recall.

Creating your own is great-but you can also get some ready made on the internet or from various revision material companies.

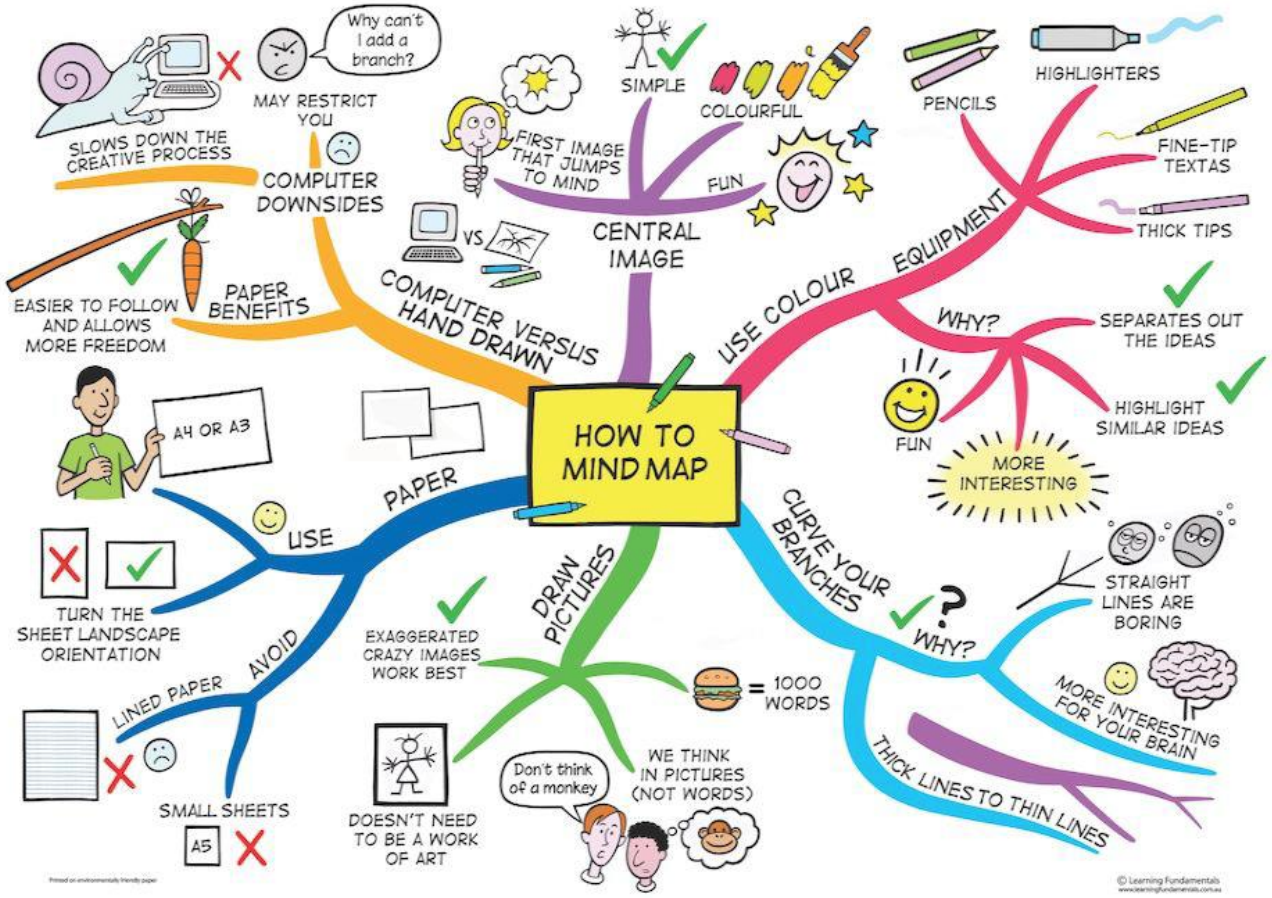
With questions on one side and the answers on the reverse-they are a great way to interact with your student to help them revise, but they can also be used for independent learning.

Revisely.com

Quizlet.com

4. Mind Maps

Mind maps can really help students make links between topics. However, they rarely contain lots of detail, and that is what your student will be examined on. So mind maps should be used in conjunction with other revision methods.



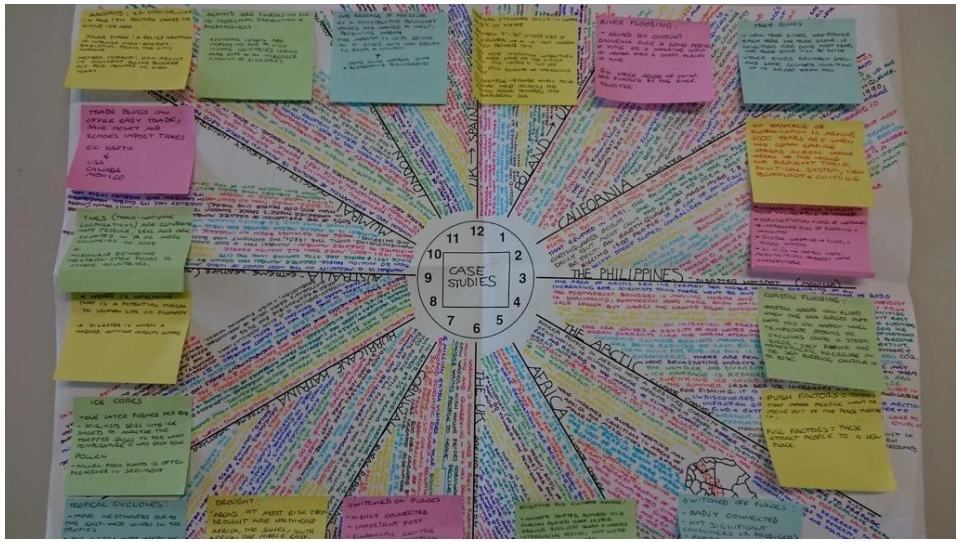
5. Revision Clocks

Helps your student review their own knowledge levels and identify areas of weakness.

Complete the clock using their memory for each section.

Go around the clock again in a different colour adding additional information they find in their class book/school notes.

Go around again adding fine detail/any missing information found in text books, revision guides, internet searches.



At a later date they can repeat on a fresh revision clock, and hopefully see the improvement of their first colour.

Any Questions?

Mathematics

Mr Tweedle
Assistant Head of Maths (KS4)

Overview of Mathematics

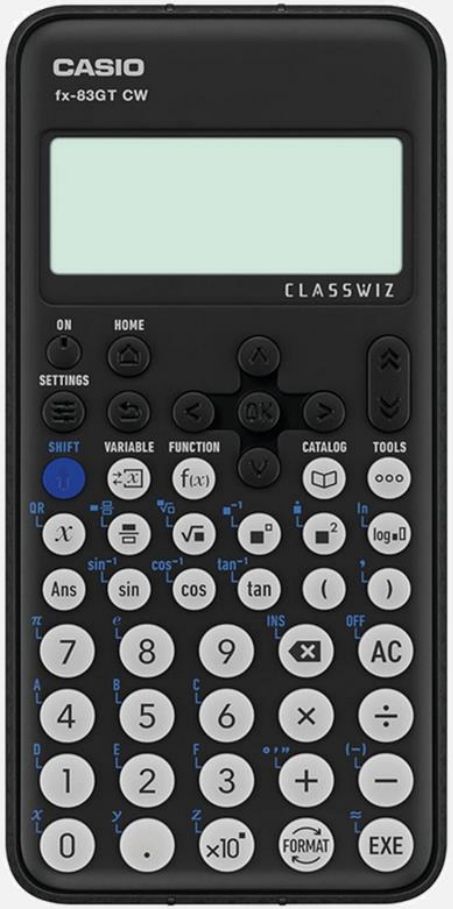
Edexcel GCSE exam board

Two tiers of entry: Higher and Foundation

- Higher grades 4 to 9 (a 3 can be awarded)
- Foundation grades 1 to 5

Three terminal papers of 90 minutes each

One non-calculator, two calculator



£8.93

Positivity!

How **you** use maths in every day-emphasise it.

If you say “I wasn’t good at maths at school” add “but I wish I had been”.

Ask “Tell me what you did in maths today”, and follow up.

“Have you done your homework- can I help?”

Curriculum

YEAR 10	
Curriculum Overview	**Subject Content**
1. Number 2. Brackets and equations 3. Fractions, percentages, ratio and proportion 4. Congruence and similarity 5. Interpreting and representing data 6. Angles and trigonometry 7. Simultaneous equations, sequences and inequalities 8. Area and volume 9. Graphs 10. Transformations and constructions 11. Probability 12. Multiplicative reasoning	The key areas of subject content are: 1. Number 2. Algebra 3. Ratio, proportion and rates of change 4. Geometry and measures 5. Probability 6. Statistics Through the mathematics curriculum, students are taught to: 1. Develop fluency 2. Reason mathematically 3. Solve problems

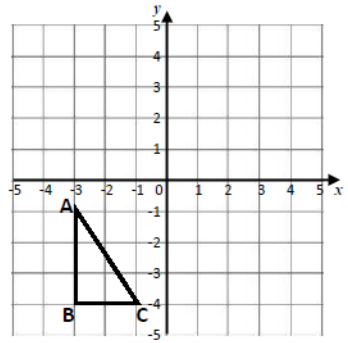
Review 1	Review 2	Review 3

THE HAMBLE SCHOOL
ACHIEVING EXCELLENCE TOGETHER

Homework

Set on a Wednesday

for a Wednesday

A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Measure, Position and Direction	
1. Write in words: **2,034,601**	*6:1*	11. Simplify this fraction fully: $\frac{18}{54}$	*6:7*	21. 400ml of water are poured out of a 2.25 litre bottle. How much is left?	*6:18/19*
2. What is the value of the **3** in this number? 1,384,721	*6:1*	12. $1\frac{2}{3} - \frac{3}{4} =$	*6:8*	22. How many hours are there in three days?	*6:19*
3. Round 7.186 to the nearest whole number.	*6:1*	13. $\frac{1}{3} \div 3 =$	*6:9*	23. These rectangles have the **same area**. Find the missing side length.	*6:20*
4. The temperature drops from 1°C to -11°C. What is the difference?	*6:2*	14. What is the value of the **8** in this number: 25.738	*6:10*		
5. 2,140 x 32	*6:3*	15. Give your answer as a decimal: 26 ÷ 8	*6:11*	24. What are the co-ordinates of **A**? 	*6:27*
6. 7,242 ÷ 17	*6:3*	16. Write this fraction as a **decimal** and a **percentage**. $\frac{1}{2}$	*6:12*		
7. 15 and 27 only have two **common factors**. What are they?	*6:4*	17. Find **75%** of 520.	*6:13*		
8. The number 30 has **three prime factors**. What are they?	*6:4*	18. The ratio of cats to dogs 3:2. If there are 15 cats, how many dogs?	*6:14*		
9. (25 + 13) ÷ 2	*6:5*	19. I have **m** pence. I spend 17p. Write an expression for this.	*6:15*		
10. How many 52-seater buses does a school need for 198 pupils and staff?	*6:6*	20. Write a possible value for **a** and **b**. 2 x **a** + **b** = 17	*6:17*	25. **Translate** triangle **ABC** 5 units right and 2 units up.	*6:28*
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	

Year 10 PR2

Wednesday 26th November during their lesson on that day

Calculator GCSE paper with bonus questions available for top sets

QLA

JustMaths

Qus No	Topic	Full Mark	Your Score	Video Support
1	Decimal multiplication	3	3	Ede-Autumn2023-H1-1
2a	Indices	2	2	Ede-Autumn2023-H1-2a
2b	Index Laws	2	2	Ede-Autumn2023-H1-2b
3a	Product of prime factors	2	0	Ede-Autumn2023-H1-3a
3b	HCF	2	2	Ede-Autumn2023-H1-3b
4	Reverse mean	4	4	Ede-Autumn2023-H1-4
5	Constructions	2	2	Ede-Autumn2023-H1-5
6	Angle facts	4	4	Ede-Autumn2023-H1-6
7	Forming & solving equations	5	5	Ede-Autumn2023-H1-7
8	Reverse percentages	2	2	Ede-Autumn2023-H1-8
9a	Ratio / Straight line graphs	2	2	Ede-Autumn2023-H1-9a
9b	Gradient of a line	2	2	Ede-Autumn2023-H1-9b
10	Circumference / Area of a circle	3	3	Ede-Autumn2023-H1-10
11a	Box Plots	3	3	Ede-Autumn2023-H1-11a
11b	Using box plots	2	0	Ede-Autumn2023-H1-11b
12	Perpendicular lines	3	3	Ede-Autumn2023-H1-12
13	Similarity	3	3	Ede-Autumn2023-H1-13
14	Fractional and negative indices	3	3	Ede-Autumn2023-H1-14
15	Gradient of a curve	3	3	Ede-Autumn2023-H1-15
16	Growth	4	3	Ede-Autumn2023-H1-16
17a	Factorise quadratics	2	2	Ede-Autumn2023-H1-17a
17b	Quadratic inequalities	2	2	Ede-Autumn2023-H1-17b
18	Independent events	4	2	Ede-Autumn2023-H1-18
19a	Graphs of trig functions	2	2	Ede-Autumn2023-H1-19a
19b	Graphs of trig functions	1	1	Ede-Autumn2023-H1-19b
20	Cosine rule	4	4	Ede-Autumn2023-H1-20
21a	Graphs of circles	2	2	Ede-Autumn2023-H1-21a
21b	Simultaneous equations	3	0	Ede-Autumn2023-H1-21b
22	Geometric sequences	4	4	Ede-Autumn2023-H1-22
	TOTAL	80	70	

You will note that your scores have been colour coded.

In the first instance, we suggest that you focus on those questions where you gained some marks. After this, focus on the questions where you have no knowledge i.e. the red questions.

Amber

A link will be sent to parent and child email account and will expire in 7 days- so download to keep access.

Mathswatch

Child's name: Julian Smith

Mathswatch login:	smithj21@thehambleschool
Mathswatch password:	Hamble01

vle.mathswatch.co.uk/vle/browse/297

Relaunch to update

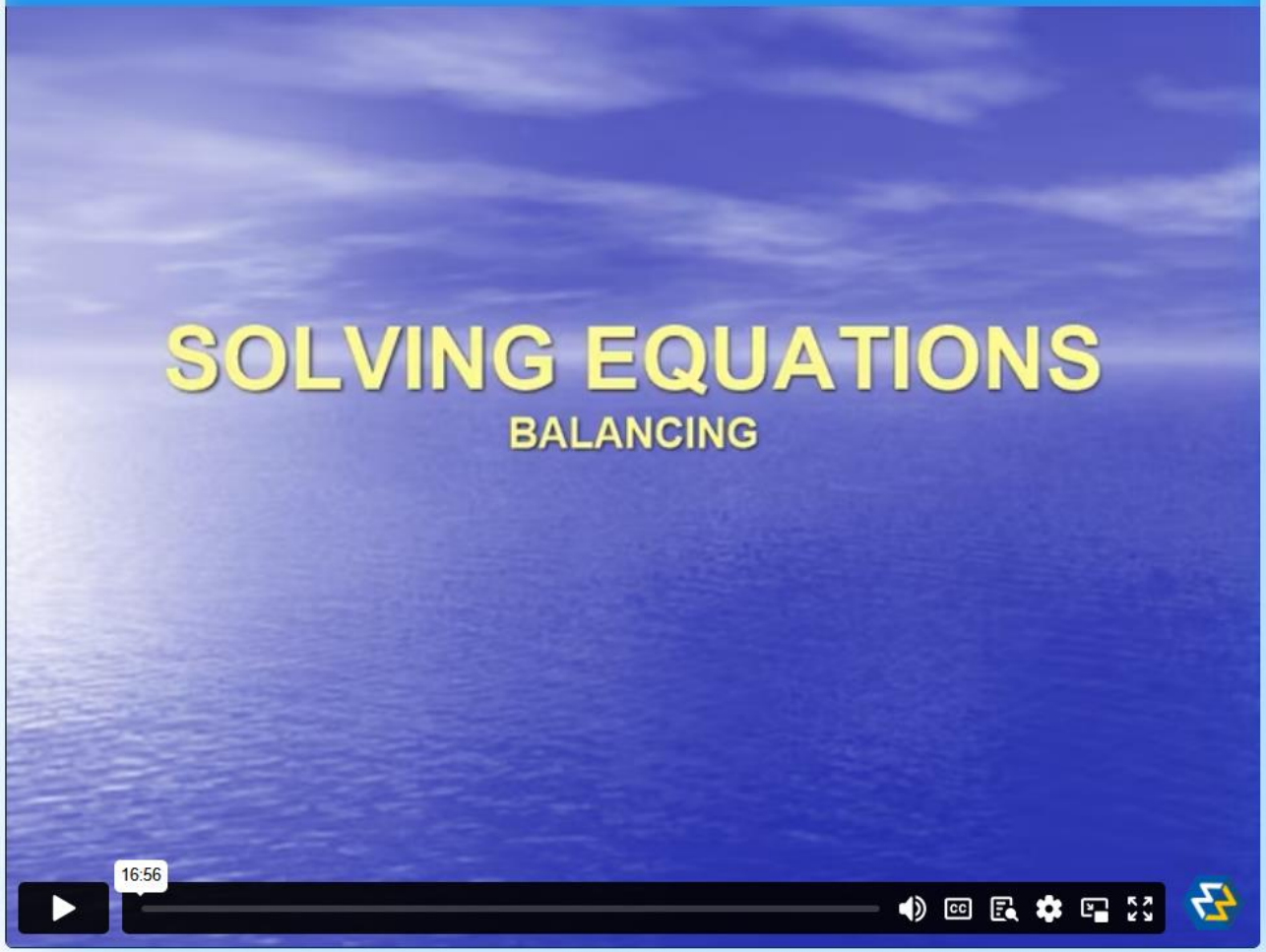
MathsWatch

Classes Assignments Users Videos Usage Feedback Extras Help

Louise's account
Logout
75 days until renewal

Clip 135a Solving Equations - Balancing

One Minute Maths | Interactive Questions | Worksheet



Find a Clip

Qualification	GCSE
Tier	All
Grade	All
Topic	Algebra
Search	

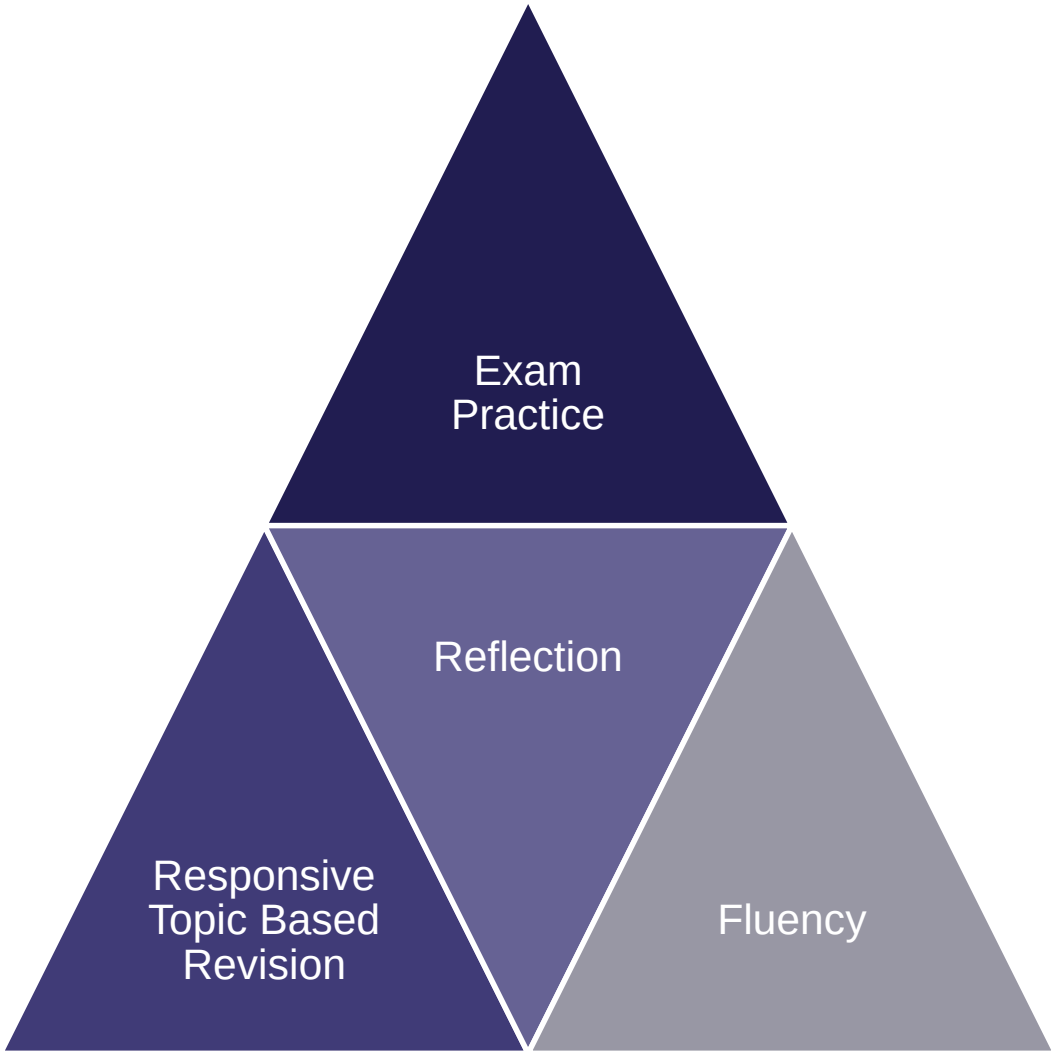
Choose Clip (66)

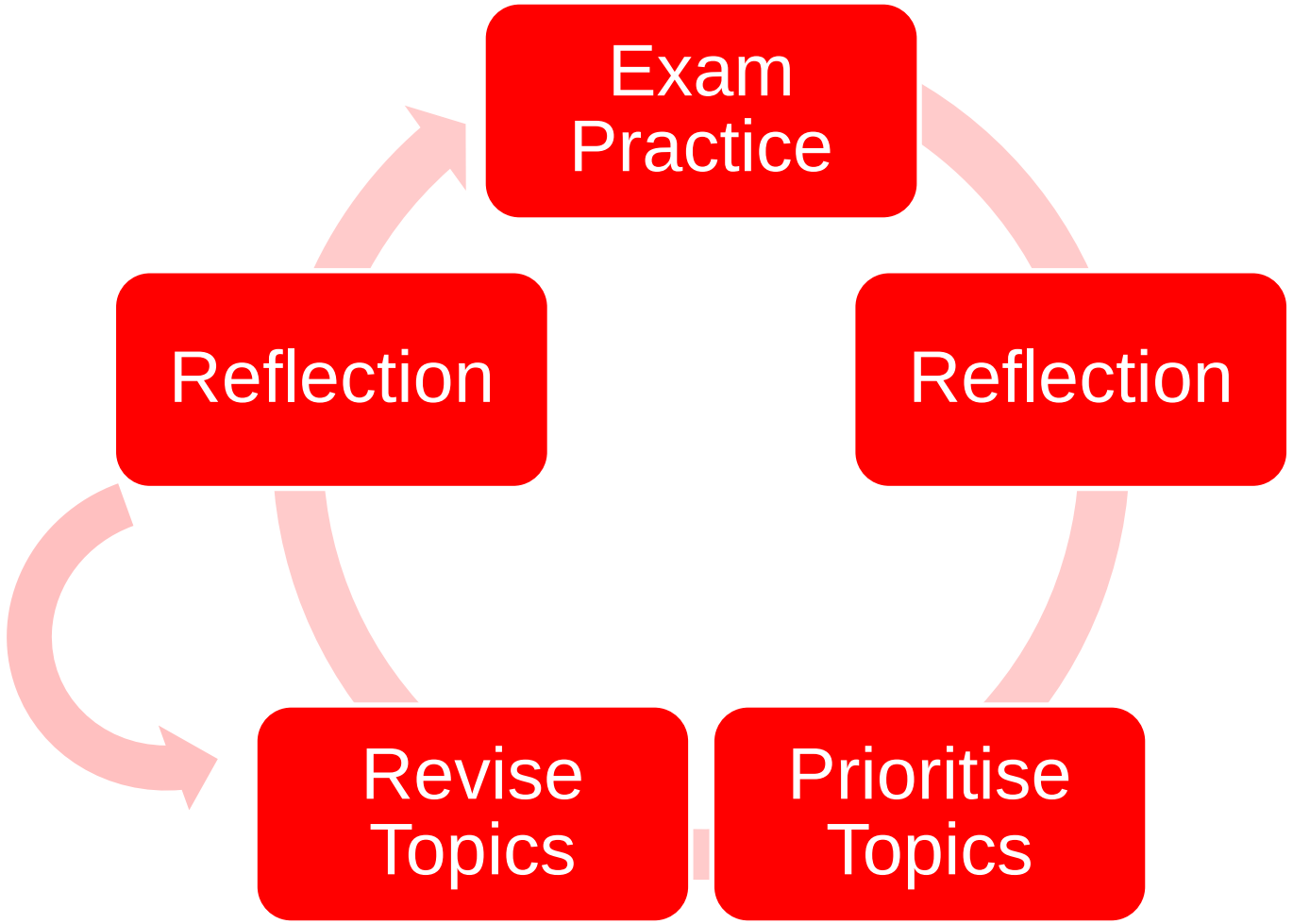
Clip	Title
135a	Solving Equations - Balancing
135b	Solving Equations - Float & Ping
136	Rearranging Simple Formulae
137	Forming Formulae and Equations
138	Inequalities on a Number Line
139	Solve Linear Inequalities
140	Simultaneous Equations Graphically
141	Fibonacci Sequences

PRACTICE
MAKES
PERFECT

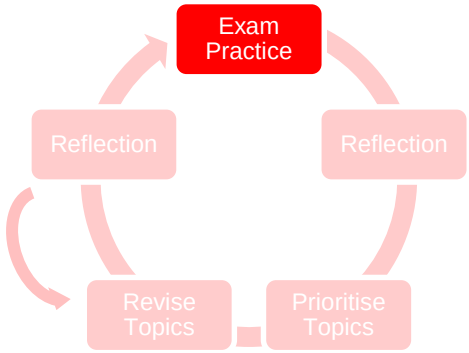
Practice makes perfect.
PERMANENT

perfect
PRACTICE
MAKES
PERFECT.


Exam
Practice
Reflection
Responsive
Topic Based
Revision
Fluency

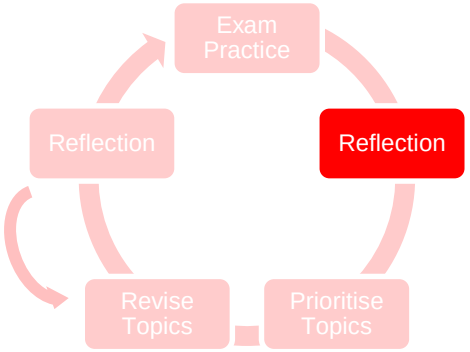

Exam Practice
Reflection
Prioritise Topics
Revise Topics
Reflection

Exam Practice



Maths Genie

Reflection



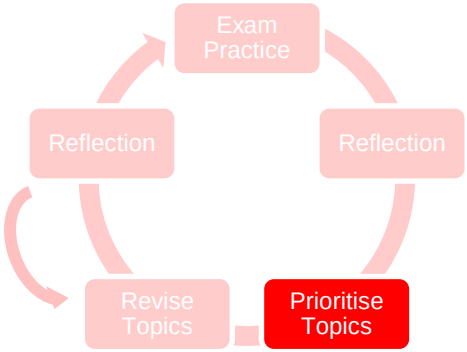
Maths Genie

Just Maths Personalised Paper Student Entry

Just Maths Demo

https://online.justmaths.co.uk/r-a-g-single-entry/

Prioritise Topics



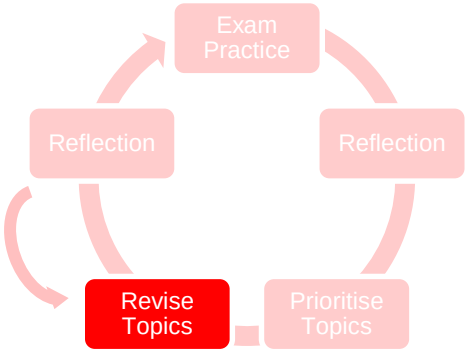
Maths Genie

Just Maths Personalised Paper Student Entry

Just Maths Demo

https://online.justmaths.co.uk/r-a-g-single-entry/

Topic Based Revision

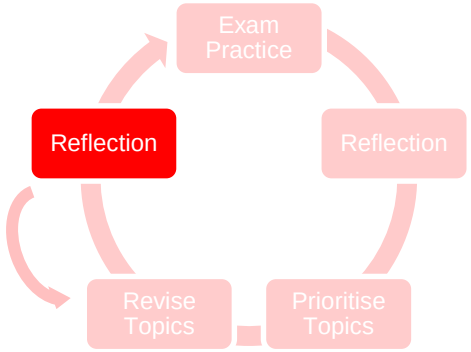


[Maths Genie]

[Corbett Maths]

[Just Maths]

Reflection



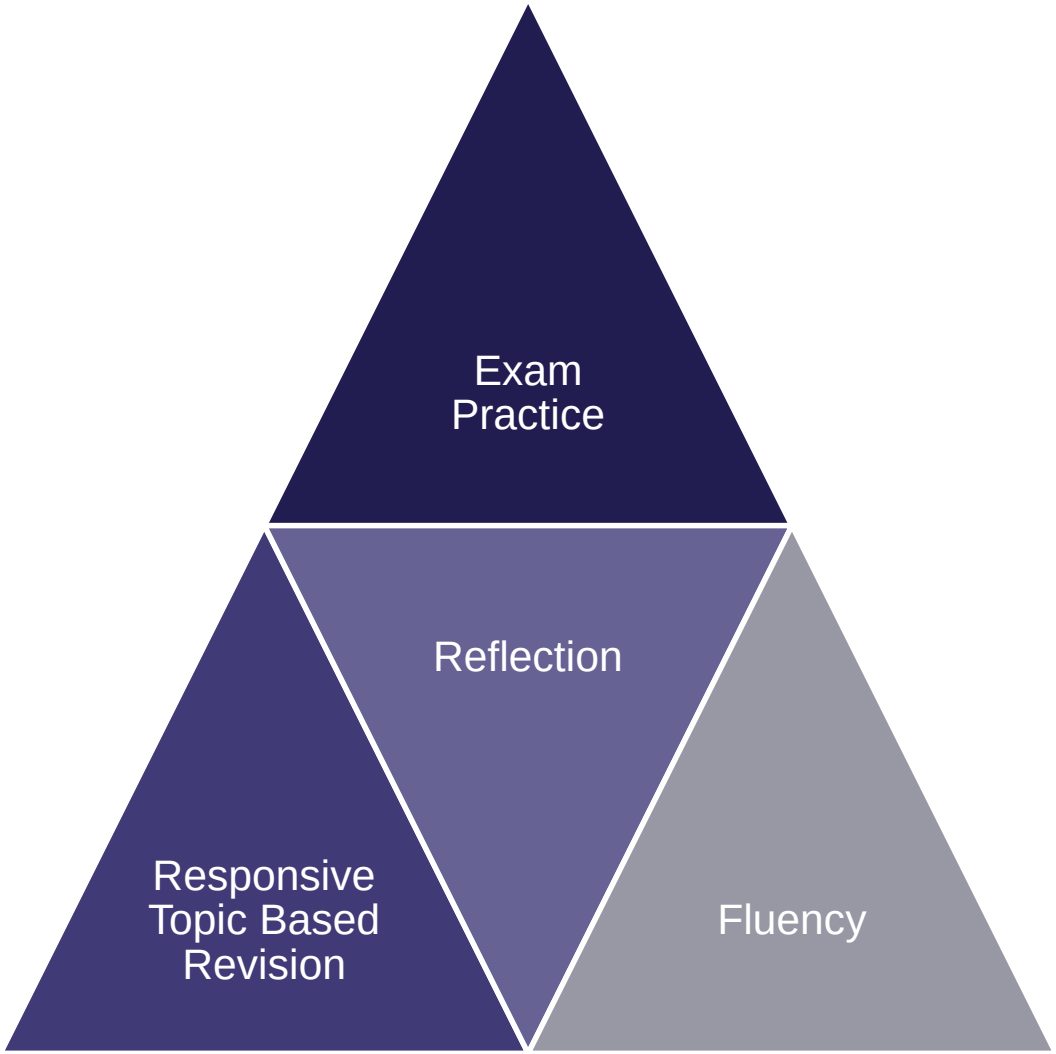
Maths Genie

Corbett Maths

Just Maths

Hints and Tips

- You’re allowed a formula sheet- use it!!!
- Practice showing your workings (‘train as you race’)
- Practice both calculator and non-calculator papers


Exam
Practice
Reflection
Responsive
Topic Based
Revision
Fluency

Final Thoughts

Final Thoughts

Year 10 Core AEE feedback form

THE HAMBLE SCHOOL
ACHIEVING EXCELLENCE TOGETHER