Year 11 Parent Information Evening

Tuesday 3rd October

King's Oak ACADEMY

Getting the basics right

Attendance
Focus
Homework

King's Oak ACADEMY

Creating a revision timetable

1. Break up your subjects
2. Think about where you need to focus
3. Be realistic
4. Expect the unexpected
5. Make your plan

Revision Timetable

Name: _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7.00am							
8.00am							
9.00am							
10.00am							
11.00am							
12.00pm							
1.00pm							
2.00pm							
3.00pm							
4.00pm							
5.00pm							
6.00pm							
7.00pm							
8.00pm							

1. Break up your subjects

Start off by listing the date and subject for each exam. Then look at what you need to cover for each exam, breaking each subject into small manageable pieces, and make a list topic by topic.

W/C 16th	Monday	Tuesday	Wednesday	Thursday	Friday
AM - register 08:40 Exam briefing 08:50				INSET	
P1	SET UP	English Lit (1h 45)	Maths 1 (1h 30)		
P2					
BREAK					
P3	SET UP	Normal lessons			
P4					
LUNCH 12:55-13:30					
Exam briefing - Gym 13:30-13:45					
P5 start latest 2:00pm	Biology (1h 10/1h 45)	Geography (1h 30)	History (1h 15)		
Exam finish time (if starts at 1:40pm)	*2:50pm/3:25pm*	*3:10pm*	*3:00pm*		

W/C 30th	Monday	Tuesday	Wednesday	Thursday	Friday
AM	AM - register 08:40 Exam briefing 08:50				
P1	English Language (1h 45)	Maths 2 (1h 30)	Science 2 (1h 10/1h 45)	Maths 3 (1h 30)	Science 3 (1h 10/1h 45)
P2					
BREAK					
P3	Normal lessons				
P4					
LUNCH 12:55-13:30					
Exam briefing - Gym 13:30-13:45					
P5 start latest 2:00pm	French Listening & Reading (1h 20/1h 45)	Sport (1h 30)	French Writing (1h/1h 15)	History 2 (1h 30)	Religious Studies (2 x 30m)
Exam finish time (if starts at 1:45pm)	*3:00pm/3:25pm*	*3:10pm*	*2:55pm*	*3:10pm*	*2:40pm*

W/C 6th	Monday	Tuesday	Wednesday	Thursday	Friday
AM Register 08:40 Exam briefing 08:50		Normal lessons resume/catch up exams			
P1	H&SC (2h)				
P2					
BREAK					
P3	Geography 2 (30m)				
P4					
LUNCH 12:55-13:30					
Exam briefing - Gym 13:30-13:45					
P5 start latest 2:00pm					

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2. Think about where you need to focus

Some exam papers will carry more marks than others so it's worth preparing in more detail for exams which carry a high percentage of your total mark. You may also want to spend extra time on your weaker areas or need to fill gaps. Add these to your topic list. If you having missing notes, speak to your classmates or teachers. **BBCbitesize** and **s-cool** have some excellent subject revision guides. Subject revision books can also help.

Subject	Exam structure	Topics covered	Key revision materials
Maths GCSE – AQA	Paper 1 – 1 hour 30 mins NO CALCULATOR Paper 2 – 1 hour 30 mins Calculator allowed Paper 3 – 1 hour 30 mins Calculator allowed **All topics** can be covered across any of the 3 papers.	Corbett Maths, search either "Foundation checklist" Or "Higher check list" Key topics: Number, Algebra, Ratio, proportion and rates of change, Geometry and measure, Probability, Statistics	Sparx Maths (https://sparxmaths.com/) Practice papers online (https://www.onmaths.com/) https://www.drfrostmaths.com/ www.mathsgenie.co.uk www.nrich.co.uk www.justmaths.co.uk https://www.bbc.co.uk/bitesize www.corbettmaths.com

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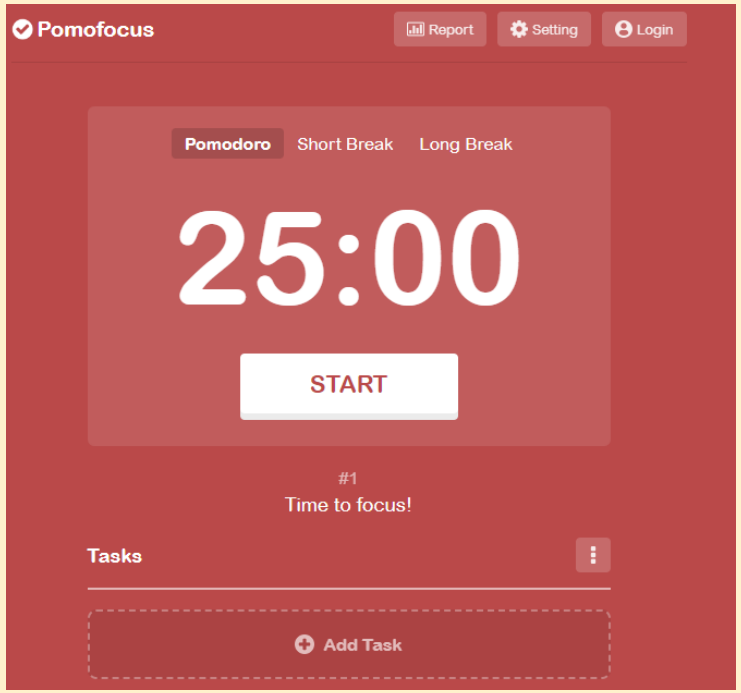
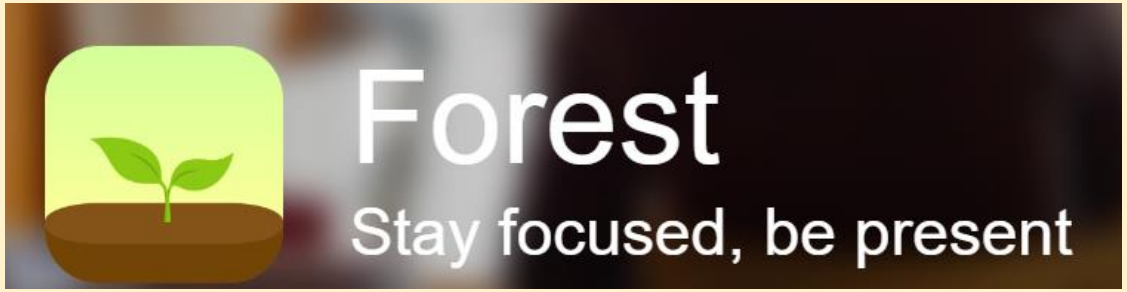
3. Be realistic

Create a revision plan that is going to work for you. If you're too ambitious with your plan it can be easy to lose heart. Studies show that people are more motivated by achievable goals. Think about what you can stick to and allow rest breaks. Include some relaxation time too – doing something completely different can help information sink in and stop you burning out.





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4. Expect the unexpected

Timetable some free study blocks each week.

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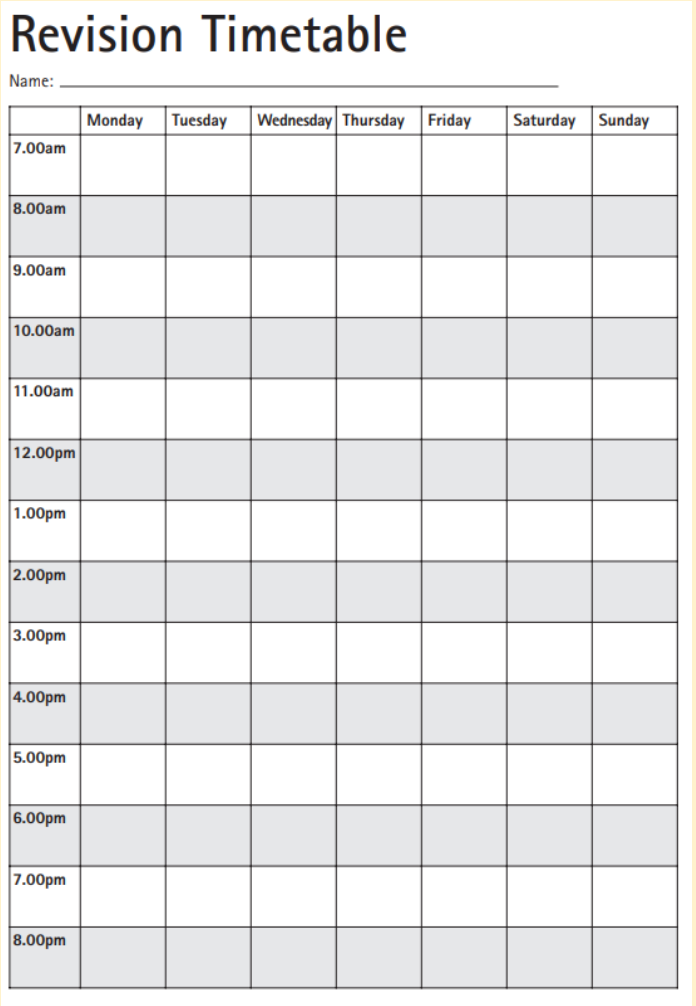
5. Make your plan

The next step is to draw up your revision plan.

- Mark in your exam dates and subjects
- Divide your list of topics across each week of your revision period.
- Make sure each topic comes before the date of the relevant exam.
- Allocate fewer topics near to your exam dates to allow for general review sessions.
- Create a more in-depth schedule at the start of each week, complete with free study and rest blocks.
- Look at your timetable for the next day in detail the night before.



Revision Timetable

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8.00pm							

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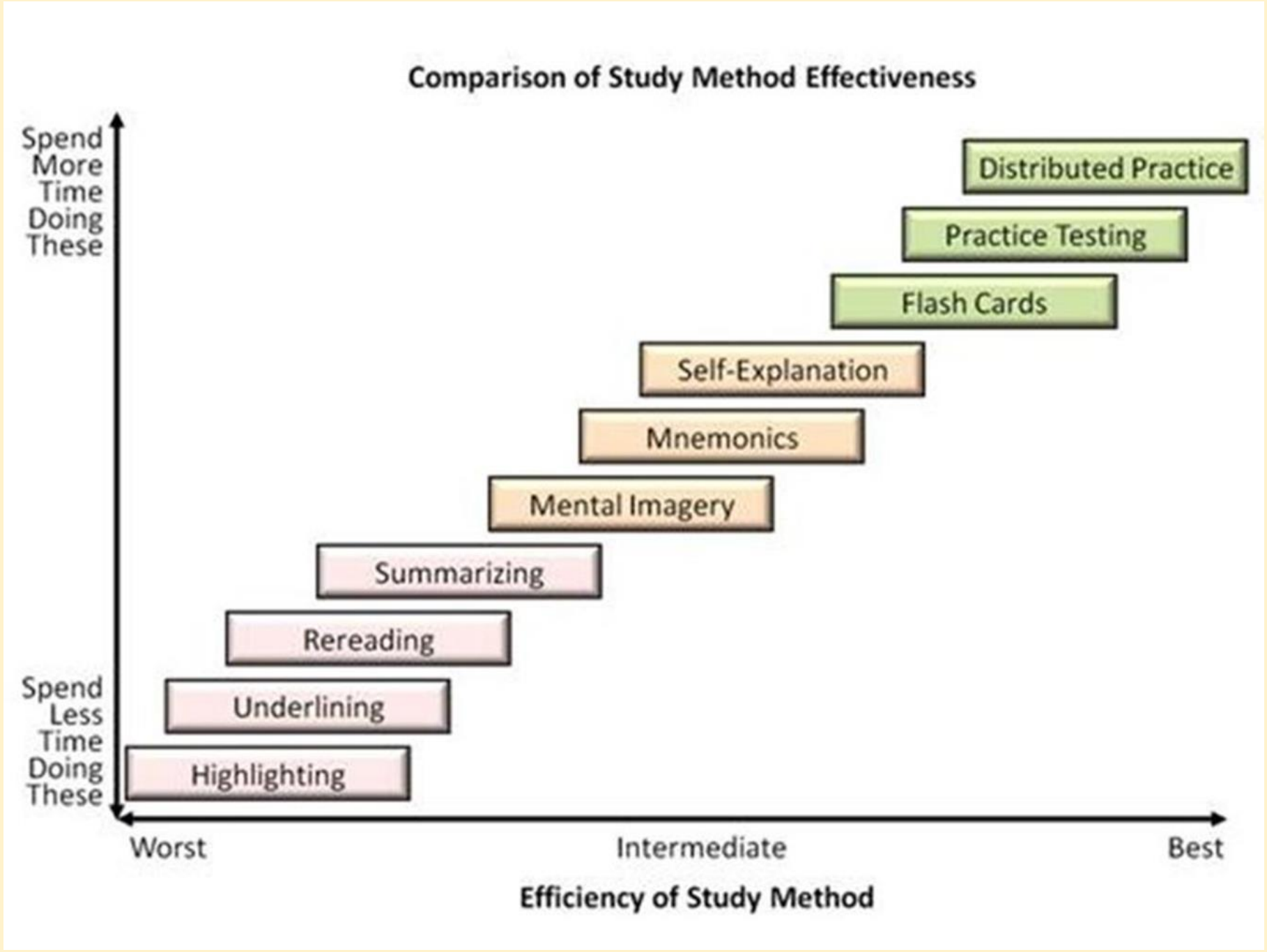

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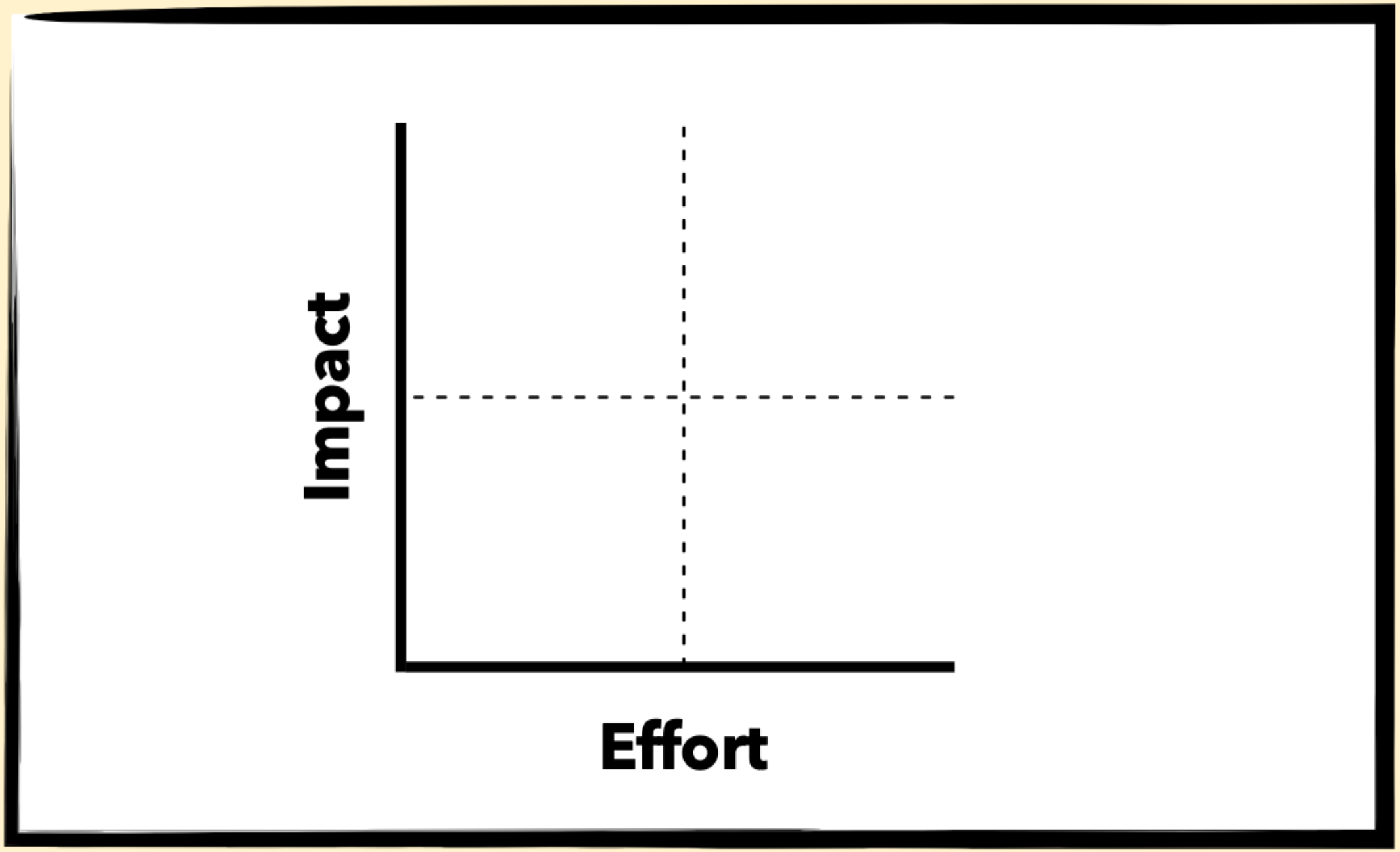

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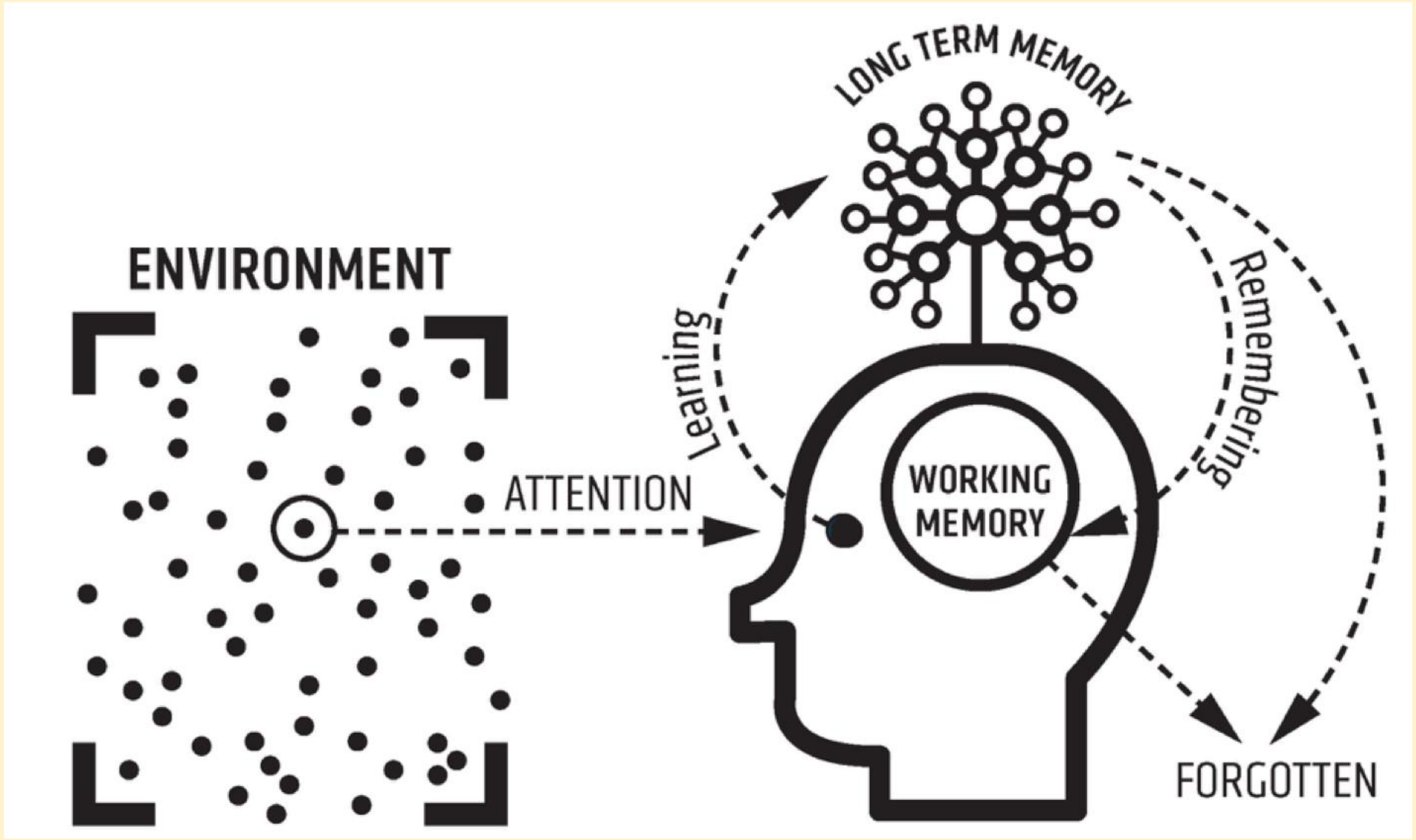

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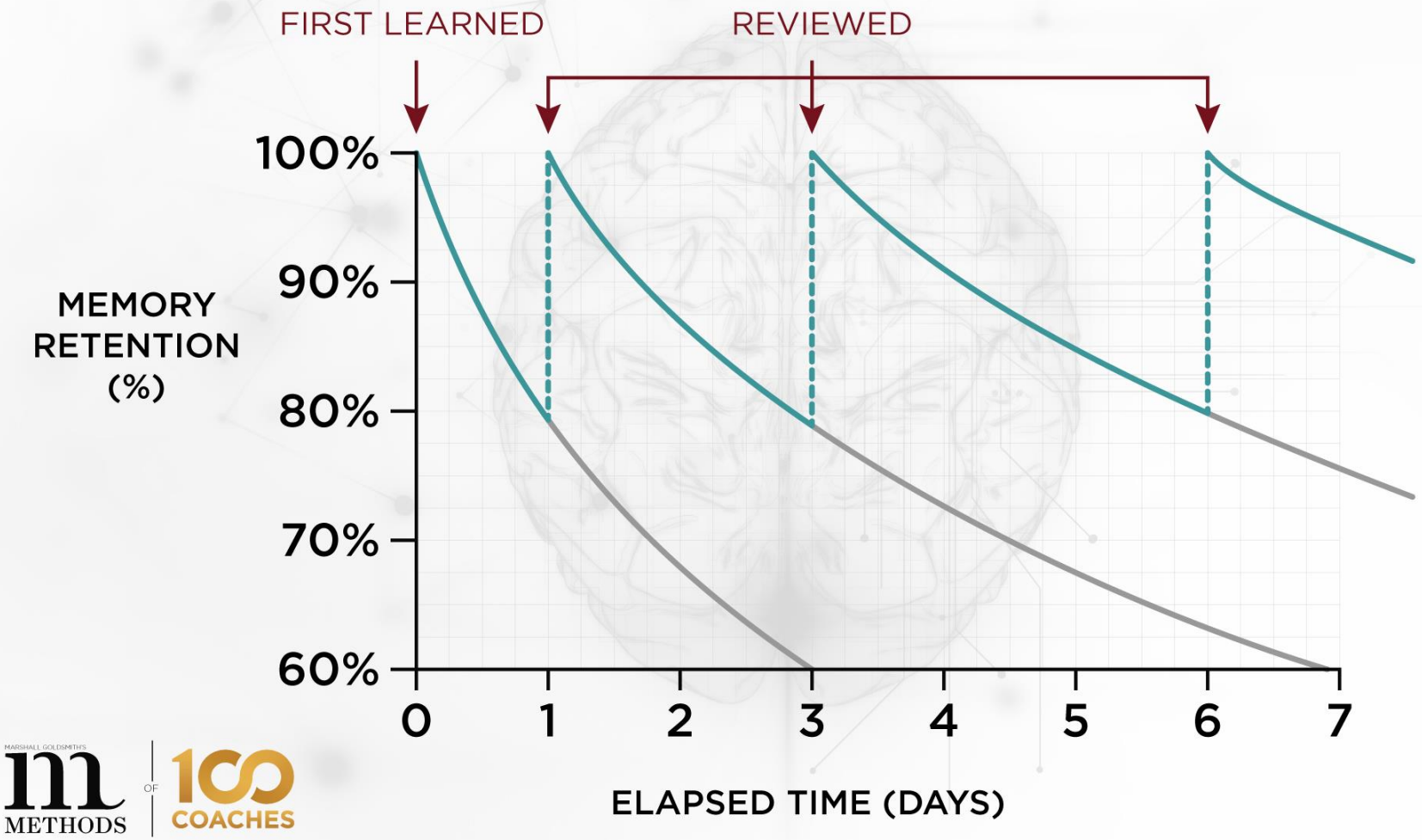
EBBINGHAUS FORGETTING CURVE



METHODS OF 100 COACHES

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Getting the basics right

Attendance
Focus
Homework

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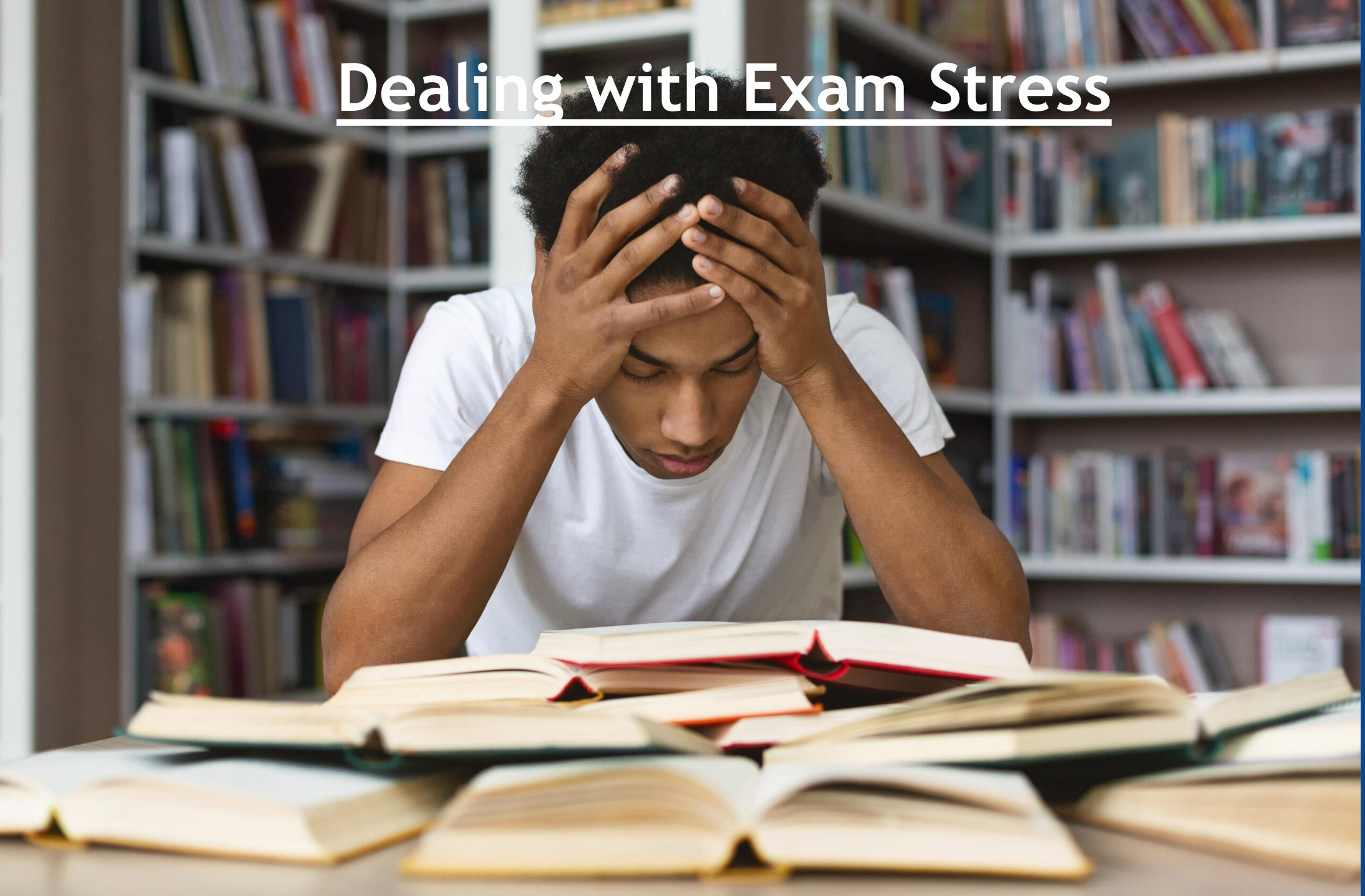
Dealing with Exam Stress



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MAN BOARD	STAND I	READING	MIND MATTER	ECNALG
man over board	i understand	reading between the lines	mind over matter	backward glance

TOUCH DOWN	DEATH LIFE	GOING DIET	LE VEL	CYCLE CYCLE CYCLE
touch down	life after death	going on a diet	bi level	tricycle

BAN ANA	NOON LAZY	R ROAD A D	PAS	BJAOCKX
banana split	lazy afternoon	road crossing	incomplete pass	jack in the box

What is Stress?

- Stress is when you are feeling under **too much** pressure.
- Symptoms can include feeling overly **tired**, **overwhelmed** and **unable to cope** with everything.
- **We all feel stressed sometimes** – but too much stress is unhealthy.
- **Lots of people** will feel stresses about doing their GCSE exams as it is an important time! **You are not alone!**
- **BUT….** If you are feeling as though stress is getting in the way of preparing well for your exams then it is **time to take action!**

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Stress Symptoms

Look out for prolonged or extreme cases of the following if you feel the work's piling up:

Difficulty getting to sleep or difficulty waking up in the morning
Constant tiredness
Forgetfulness
Unexplained aches and pains
Poor appetite
Loss of interest in activities
Increased anxiety and irritability
Increased heart rate
Migraines/headaches
Blurred vision
Dizziness

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Dealing with Exam Stress

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1) Make a Revision Timetable

- **Planning** out when you are going to revise for each subject will make it seem **less daunting.**
- Make sure timings needed to complete each revision activity are **realistic!**
- Build in **regular breaks** – your brain needs rest too!
- **Stick to your timetable** – not doing so will create more stress!

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2) Give Yourself Time

- Give yourself **plenty of time** to revise for each exam – not just the day before!
- **Prioritise** important tasks and don't **put things off.**
- Also make sure that you use any **class revision time** effectively.

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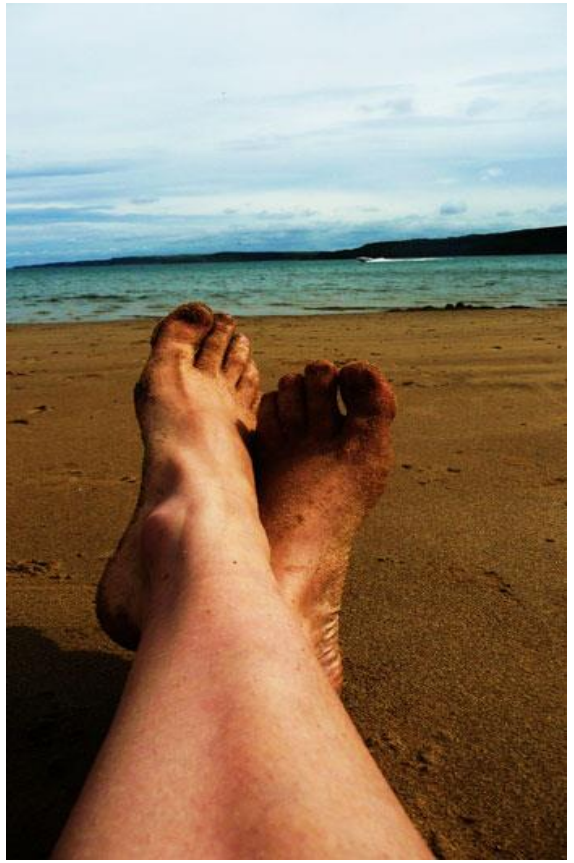
3) Build in time to Relax

- Rest is essential to allow your brain to **recuperate.**
- **Too much work** can be as damaging as too little.
- Building in time to enjoy yourself will **relieve stress** and give you **something else** to focus on as well as your revision.



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4) Get Plenty of Sleep

- Make sure you get plenty of **sleep** before each exam
- You will not produce **your best** if you are too tired.
- **Six** to **eight hours** is the recommended amount.
- Try and have a **break** between finishing your revision and going to bed – time to **'switch off'.**

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5) Eat and Drink Healthily

- A good, **balanced diet** will always make you feel good.
- **Too much** caffeine and sugar will make you feel more edgy and stressed.
- A **good breakfast** will keep you energised throughout the morning.
- Plenty of water will keep you **hydrated** and help your brain to function well.

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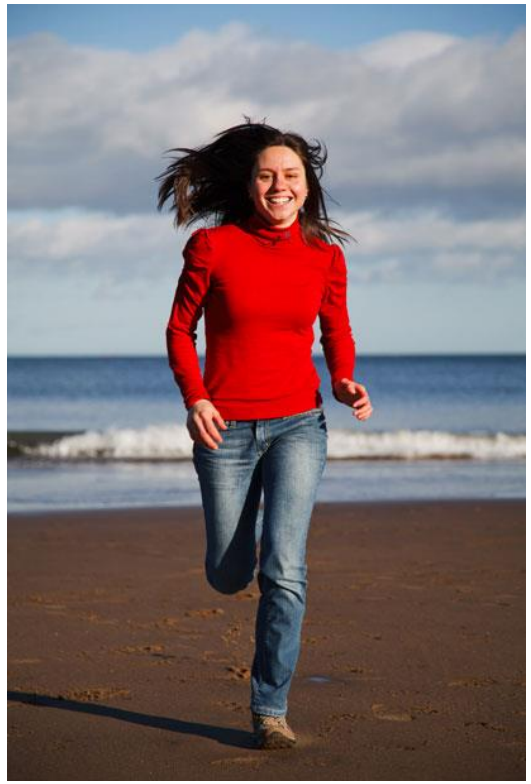
6) Take Regular Exercise

- Exercise will make you feel better and use up any **nervous energy** that you have built up.
- It also increases **blood flow** to the brain and can help you to **think** more clearly.
- Swimming, cycling, walking etc are all **good ways** of exercising.



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And Finally….

- If you **work hard** and **do your best** then this is all you can do.
- It is normal to feel nervous but try to **channel this positively** to help you rather than hinder you.
- Do not worry about things that you **can't control** - concentrate on what you can!
- **GOOD LUCK!**

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HOW TO DEAL WITH EXAM STRESS

- Take up exercise
- Shared worries with friends or sought out university counsellor for help and guidance
- Rewarded self for studying
- Took up meditation
- Blocked the internet while studying or revising
- Read about successful people who had underperformed at college/university to discount any negative thoughts

- Visualised what they want to achieve each day
- Listen to uplifting music
- Listen to comedy
- Keep a plan of each day's work
- Do small amount of work each day before letting it build up.
- Stopped drinking alcohol

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Points - 2023 - 2024

How will it work?

- By the end of term 5 students need to have a score of 0 or higher prom points.

- This takes into consideration your positive reward points and your negative behaviour points.

- All students start year 11 on 0.
  Therefore, everybody is invited and can purchase a ticket.

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How do I GAIN points?

- ✓Attendance at after school revision sessions.
- ✓Commitment to after school activities (e.g. sport / drama /music etc.)
- ✓96% to 100% attendance per week.
- ✓Punctuality - no lates in a week.
- ✓Being close to, at or exceeding your target grade in mock exams.
- ✓Attendance to mock exams.

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How do I LOSE points?

- Poor behaviour – second warnings, being sent to reflection.
- If you are suspended from school then you will lose your invite and a decision will be made by Miss Odgen if you can earn this back.
- Unexplained absence - you will not lose points if you are ill, and a parent / carer has made us aware.
- Lateness to lesson.
- Failing to attend after school revision sessions without informing the teacher.

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Benefits if you perform well

- If you are in the top 10 for prom points, then you will have some money taken off your prom ticket price.

- There will be termly prize draws for those students that are performing well and have a set number of points.

- You can be part of a prom committee that helps make decisions for food, decorations, theme etc for the prom.

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EXAMS @ KING'S OAK ACADEMY


JCQ
CIC
Joint Council for Qualifications CIC


AQA


Pearson


eduqas
Part of WJEC


OCR
Oxford Cambridge and RSA

The JCQ tells us.....

- Dates, times, durations of exams
- Secure handling of the papers
- Invigilator to student ratios
- Exam malpractice
  - Unauthorised items in exam room
  - Behaviour – communicating with other candidates, disrupting the exam room
- Rules for late or absent students

On the day of the exam...

- Exams MUST start within 30 minutes of the published start time
- Majority of students sit exams in the 'Hex'
- Smaller rooms for some students
- Same seat for every exam, where possible
- Invigilators read out the rules and instructions before the start of every exam
- Papers are collected and securely dispatched to the awarding bodies for marking

What are Exam Access Arrangements (EAA's)?

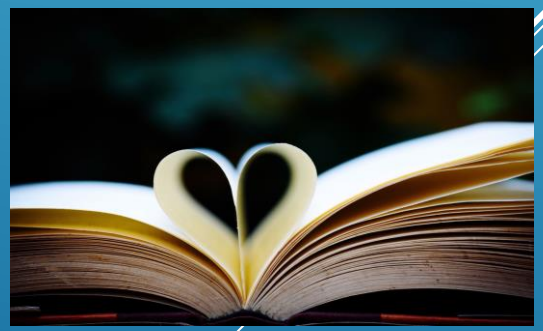
25% Extra time	Scribe	Reader	Prompt
Rest Breaks	Small Room	Word Processor	Coloured Paper

JCQ CIC Joint Council for Qualifications CIC

- Regulated by the JCQ
- Must be applied for by the school
- Evidence must be held on file
- Goes with the student to post 16

Access Arrangements and the November mocks…

- Students will be told what EAA's are in place for their mocks
- Feedback is key – we need to know that the students are utilising the support we have put in place to support their application
- Tell us what works and what doesn't



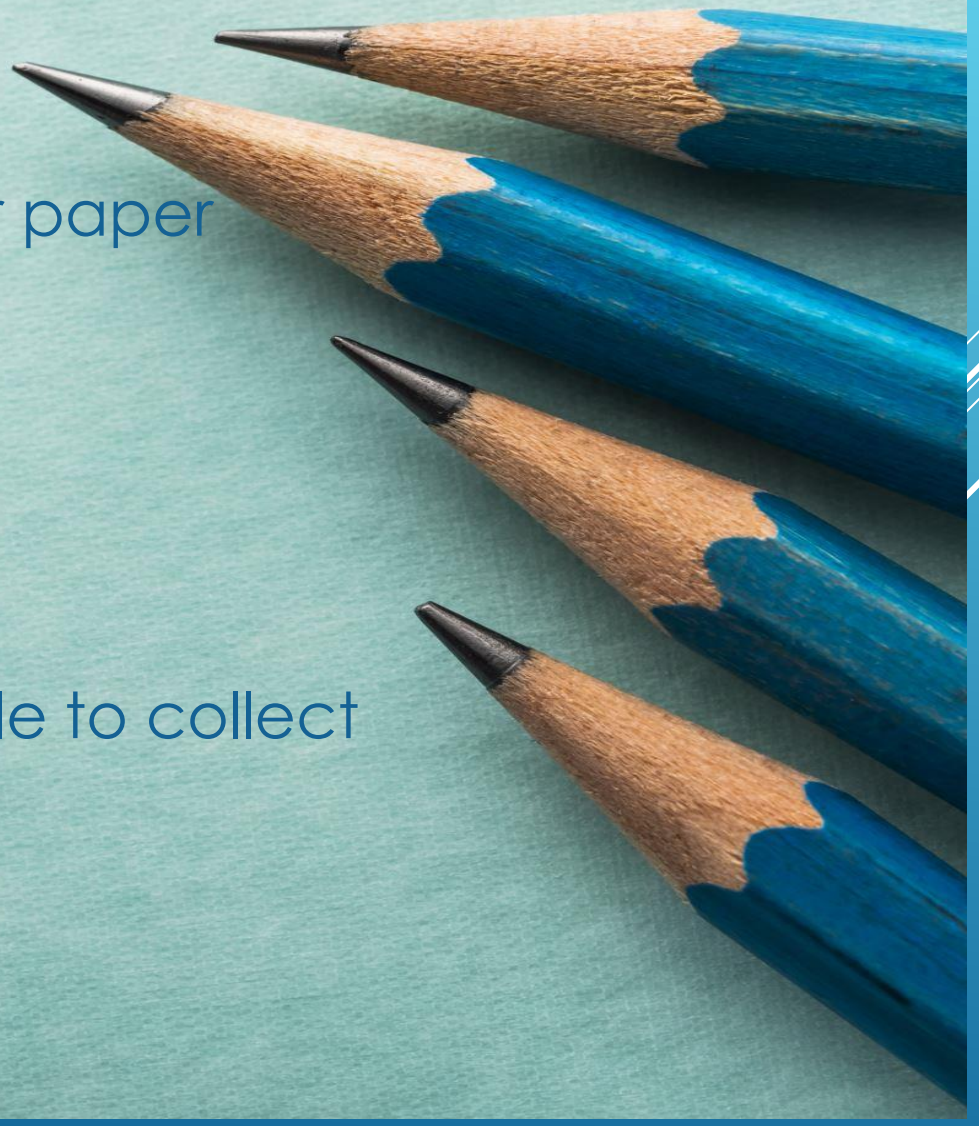

RESULTS DAY!
22nd AUGUST 2024

Post results...

- 30 days to submit for a re-mark
  - Cost is set by the exam board, £35+ per paper
  - No charge if the grade changes
  - Grades can go down as well as up

- No opportunity to re-sit at KOA

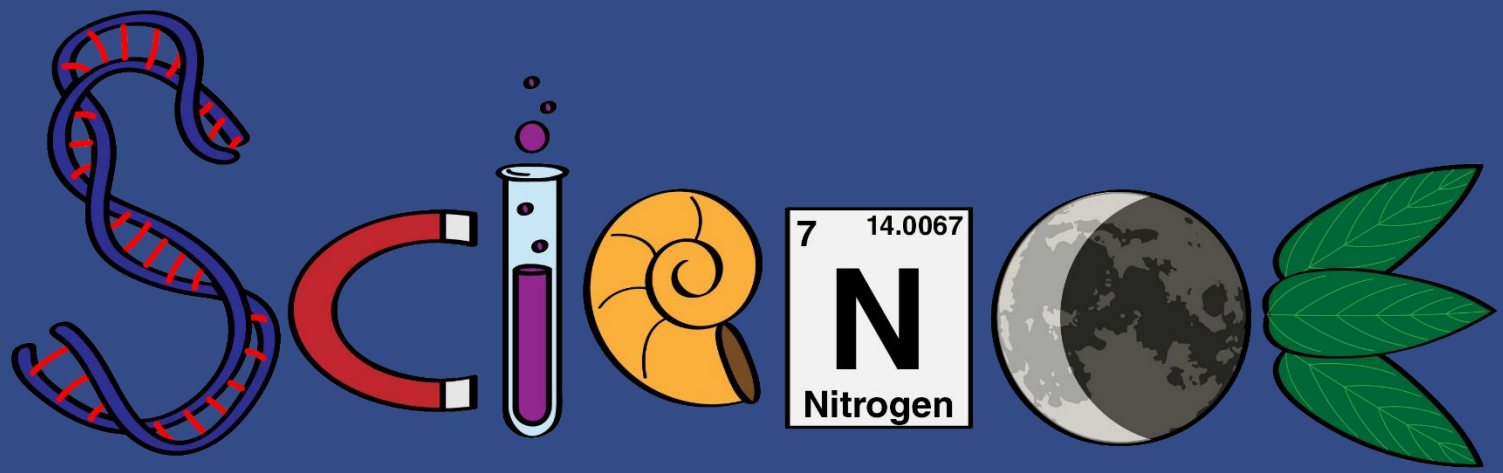
- Certificates are sent to the school – available to collect January 2025



Contact me at....

gemma.larkin@clf.uk

Gemma Larkin –
Exams and Careers Lead



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Biology- Paper 1

1. Key concepts in Biology
2. Cells and control
3. Genetics
4. Natural selection and Genetic modification
5. Health and disease
6. **Triple content**

Chemistry- Paper 1

1. States of matter and mixtures
2. Atomic structure and the periodic table
3. Ionic bonding, covalent bonding and types of substances
4. Acids and Alkalis
5. **Separate chemistry 1**

Physics- Paper 1

1. Motion
2. Forces
3. Energy
4. Waves
5. Light and the EM spectrum
6. Radioactivity
7. **Astronomy**

X3 mock papers- Biology, Chemistry and Physics

B- Mon 16th Oct, C- Wed 1st Nov, P- Fri 3rd Nov

- **Combined Science 60 marks, 1hr 10 minutes**
- **Triple Science 100 marks 1hr 45 minutes**

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Revision Guides and Workbooks

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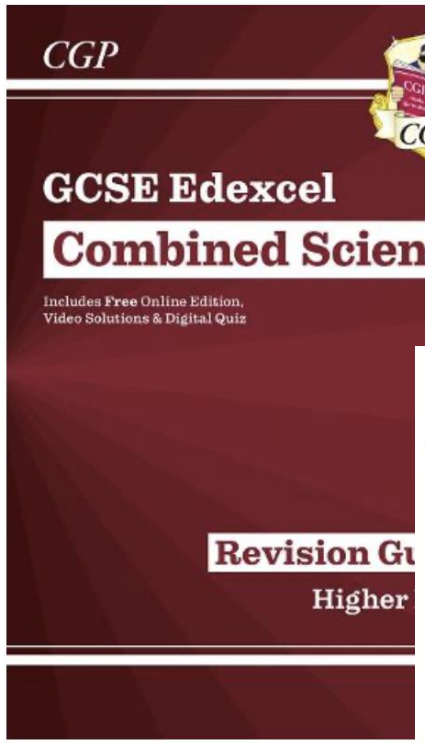

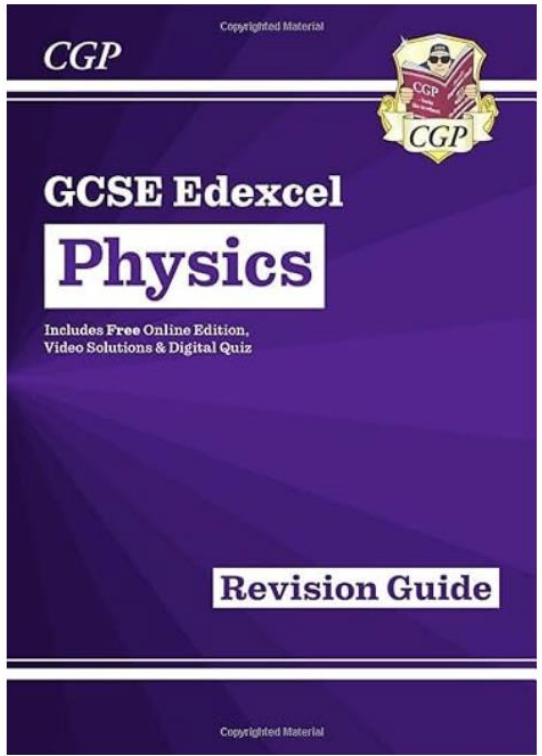

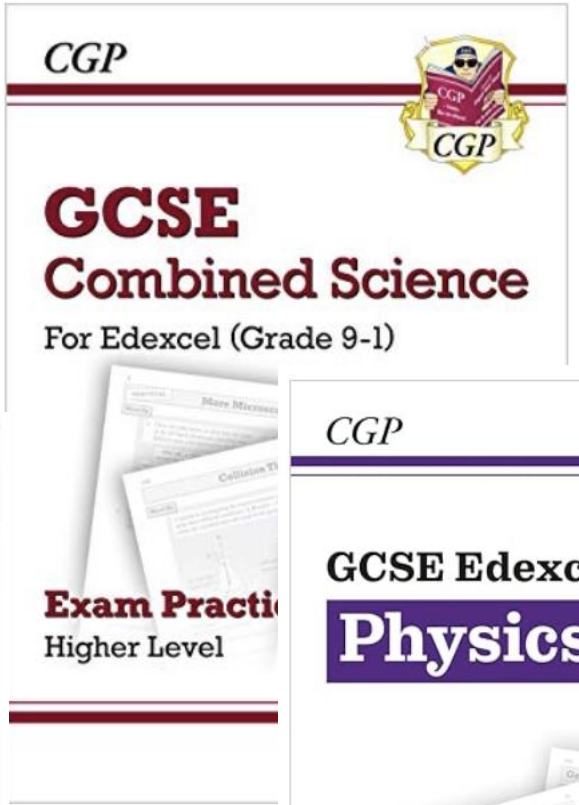

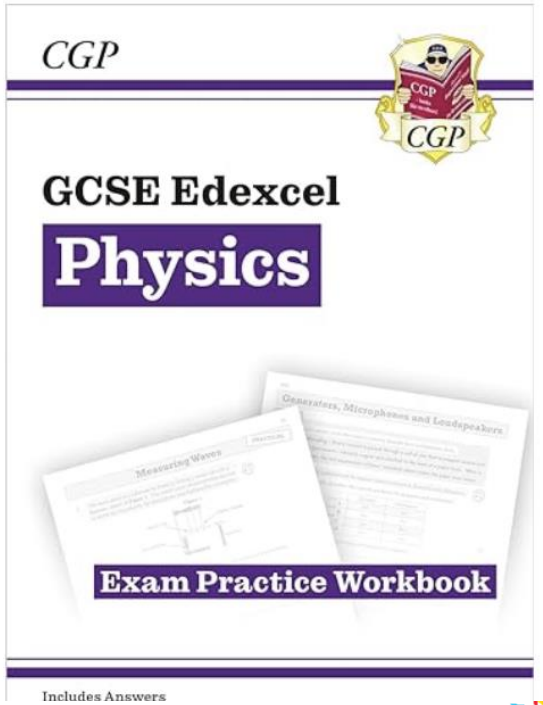

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Revision Guide

Photosynthesis

Photosynthesis is one the most important reactions on Earth. Here's a whole page on it...

Plants and Algae Make Their Own Food by Photosynthesis

1) During photosynthesis, energy from the Sun is used to make glucose (a type of sugar).
2) Some of the glucose is used to make larger molecules that the plants or algae need to grow. These molecules make up the organism's biomass. Biomass means 'the mass of living material'.
3) When an animal eats a plant, the energy in the plant's biomass is passed on to the animal. When this animal is eaten by other animals, energy gets passed up the food chain.
4) So, plants and algae are really important — they produce food for nearly all life on Earth.
5) This is the equation for photosynthesis:

carbon dioxide + water $\xrightarrow{\text{LIGHT}}$ glucose + oxygen

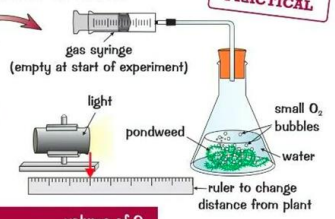
Photosynthesis happens inside chloroplasts (see p.11). These contain chlorophyll, which absorbs light.

6) Photosynthesis is an endothermic reaction — this means that energy is taken in during the reaction.
7) These three things can all affect the rate of photosynthesis:
   - Light intensity — photosynthesis gets faster as light intensity (the strength of light) increases.
   - Carbon dioxide — photosynthesis gets faster as carbon dioxide concentration increases.
   - Temperature — photosynthesis gets faster as temperature increases, but only up to a certain temperature. If it gets too hot, photosynthesis slows down and can stop all together.
8) These factors are known as limiting factors — they can stop photosynthesis from happening any faster.

You Can Investigate the Effect of Light Intensity on the Rate of Photosynthesis

Pondweed can be used to investigate the rate of photosynthesis. Here's how: PRACTICAL

1) The apparatus is set up as shown in the diagram.
2) A light is placed at a set distance from the pondweed.
3) The oxygen (O_2) produced in photosynthesis collects in the gas syringe.
4) The volume of O_2 produced in a set time is measured.
5) The whole experiment is repeated with the light at different distances from the pondweed. The further away the light, the lower the intensity of light reaching the pondweed.
6) The rate of oxygen production at each distance is then calculated.
7) For this experiment, any variables that could affect the results should be controlled. E.g.:
   - Temperature — You can use a water bath to control this.
   - Carbon dioxide concentration — you can control this by adding a set amount of sodium hydrogencarbonate to a set volume of water (in the flask). Sodium hydrogencarbonate releases carbon dioxide.



$$\text{Rate of } O_2 \text{ production} = \frac{\text{volume of } O_2 \text{ produced}}{\text{time taken}}$$

The higher the rate of oxygen production, the faster the rate of photosynthesis.

You can also investigate the rate of photosynthesis with algal balls instead of pondweed. These are little balls of jelly which contain algae.

I'm working on sunshine — woah oh...

You could also measure how much oxygen is produced by counting the bubbles (but it's a less accurate method).

Q1 State three limiting factors of photosynthesis. [3 marks]

Workbook

Photosynthesis

1 Plants produce glucose during photosynthesis. The glucose is then used to make other substances, which have their own uses. (Grade 1-3)

1.1 The words on the left are all substances made using glucose. Draw **one** line from each substance to its use.

Substance made using glucose	Use
starch	storage
fats and oils	making proteins
amino acids	making cell walls
cellulose	storage
	making DNA

[4]

1.2 What else is glucose used for in plant cells?

.....

[1]

[Total 5 marks]

2 Photosynthesis takes place inside plant cells. (Grade 3-4)

2.1 Name the subcellular structures where photosynthesis takes place.

.....

[1]

2.2 Complete the following word equation for photosynthesis.

..... + water → glucose + ...

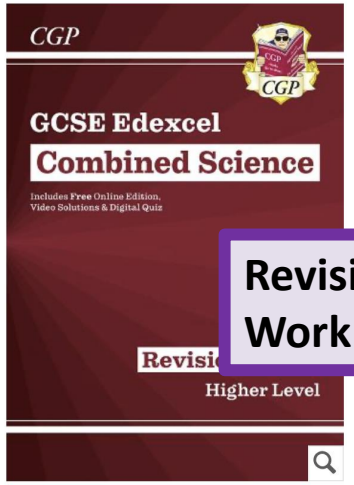
[2]

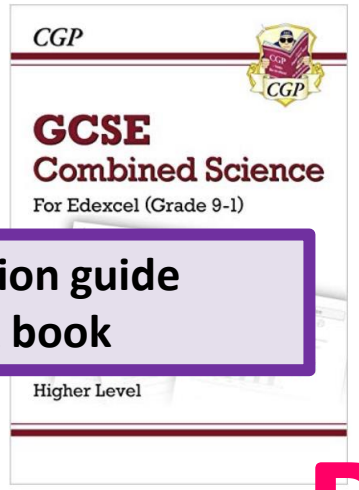
2.3 Which of the following statements is correct?
Tick **one** box.

- Energy is transferred from the environment during photosynthesis. ☐
- Energy is transferred to the environment during photosynthesis. ☐
- Energy is made during photosynthesis. ☐
- Energy is broken down during photosynthesis. ☐

[1]

[Total 4 marks]





Revision guide
Work book

Revision websites:

BBC GCSE Bitesize

save my exams

PHYSICS & MATHS TUTOR

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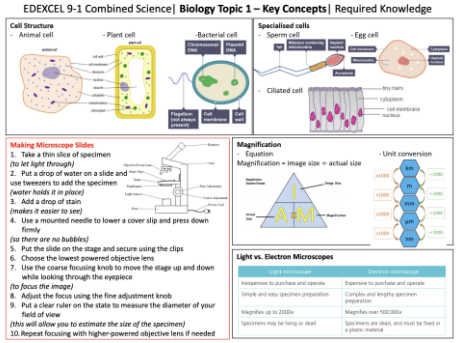
Revision Resources

Seneca

SENECA

Knowledge organisers:



Specification and exam papers:

edexcel

GCSE videos:

YouTube GB

Cognito
363K subscribers

GCSE Chemistry (9-1) View full playlist

GCSE Physics (9-1) View full playlist

GCSE Biology (9-1) View full playlist

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We set **weekly** Science Homework

It is designed to tackle two issues:

1. Cognitive overload
2. Forgetting

Fluency Tasks-

1. Atomic Structure

Complete table one, cover it, and complete the next table. Keep going to the bottom of the page.

Subatomic Particle	Relative Mass	Charge	Location in the atom
Proton	1	+1	
	1		Nucleus
Electron		-1	

Subatomic Particle	Relative Mass	Charge	Location in the atom
		+1	
			Nucleus
Electron	Almost 0	-1	

Subatomic Particle	Relative Mass	Charge	Location in the atom
Proton	1		Nucleus
	Almost 0		In shells/orbitals

Subatomic Particle	Relative Mass	Charge	Location in the atom
Proton	1		Nucleus
Neutron		0	
Electron			

Subatomic Particle	Relative Mass	Charge	Location in the atom
Proton		+1	
Neutron			Nucleus
Electron	Almost 0		In shells/orbitals

- One per week
- Core knowledge and skills
- Self-marked in class and collected in
- 21 tasks repeated at various intervals over the year.
- Set and marked on: **Tuesday**

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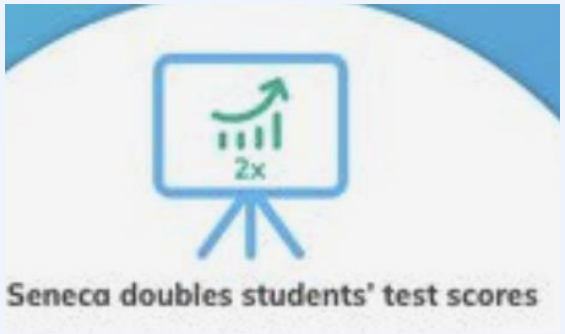
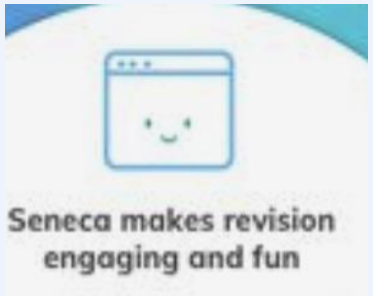
The scientific way to study





- Interleaved topics
- Exam practice
- Set every **Tuesday**

Moving Students a Little Closer to This

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I'm so glad I revised

This looks familiar, I can answer most of it!

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Exam equipment

Science

EQUIPMENT

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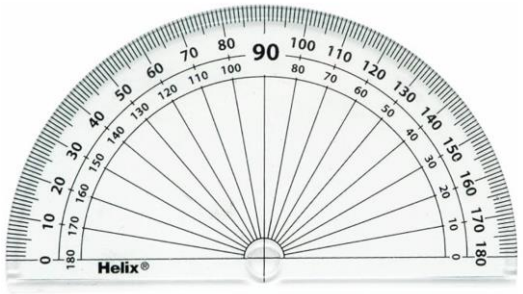
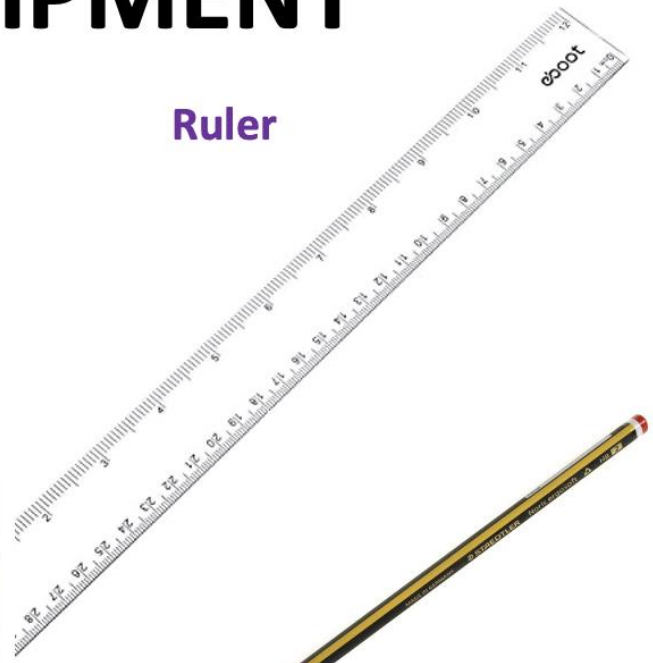
Protractor



Compass

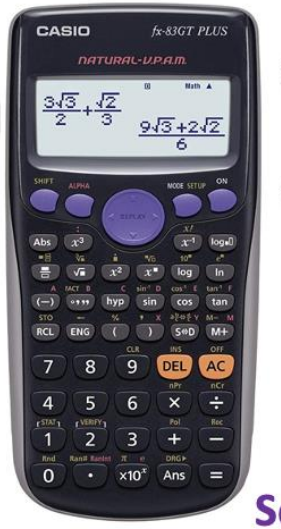
Working pens

Ruler



Sharpened pencils

Rubber



Scientific calculator

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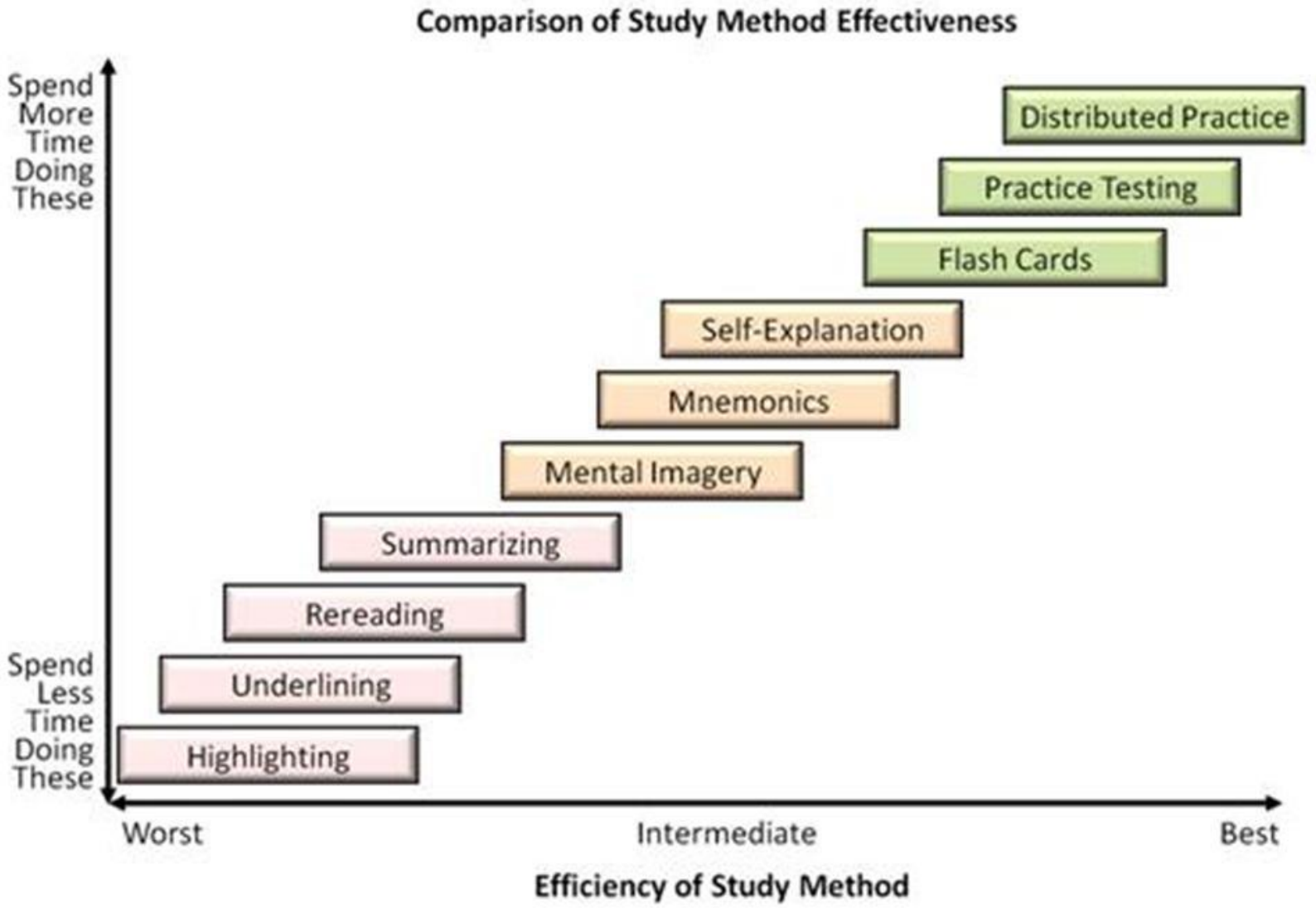
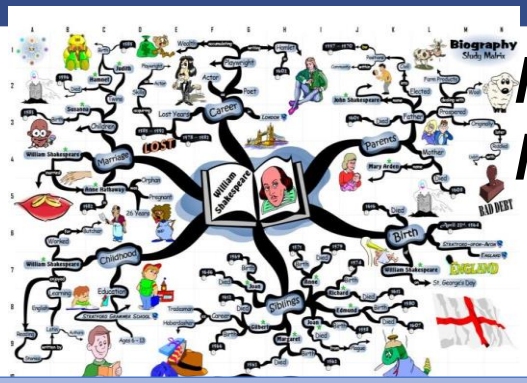
What is the best way to revise?

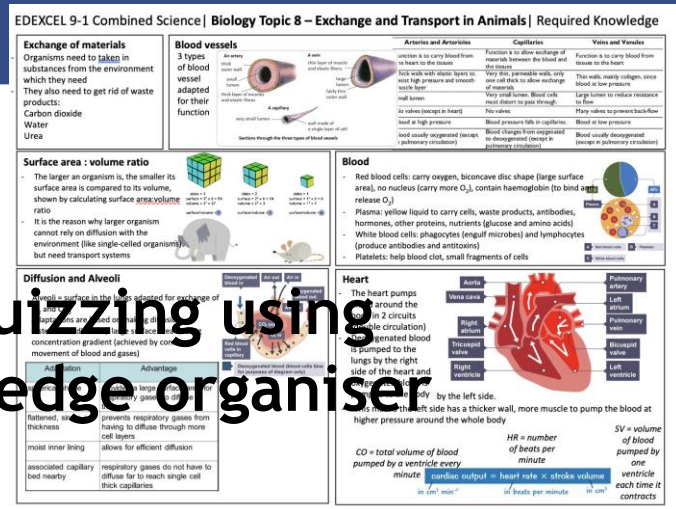


Revision Ideas

Podcast your own key points

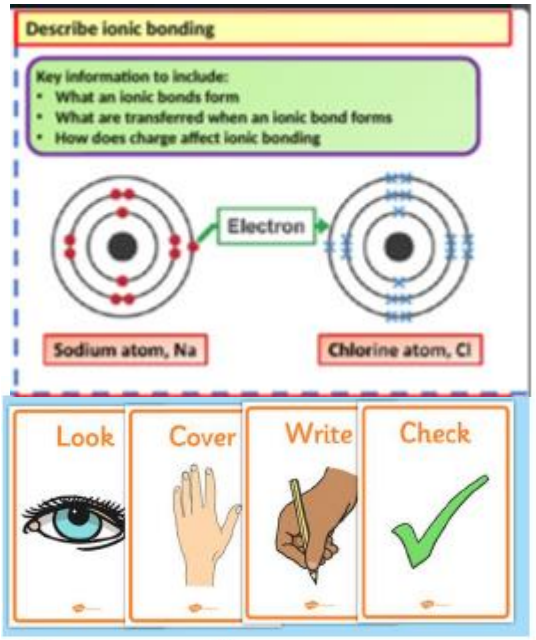


Mind Mapping



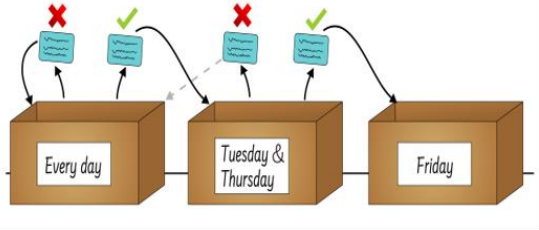
Self-quizzing using knowledge organiser

Flash Cards



Crossword or word search.
Write clues and then the answers can be found

Make your own Song/Rhyme/Rap



Post-its

Write your own exam questions with a mark scheme

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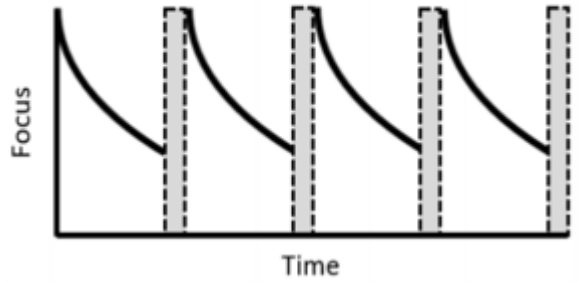
Revision TIPS:

1. Plug any gaps **NOW** using a revision method such as flashcards
2. Revise several topics in one day
3. Chunk it down
4. Plan your time & stick to it
5. Give yourself rewards
6. Think of the long-term benefits and not the short-term!
7. Take breaks
8. Sleep- 8-hour rule!
9. **Believe in yourself**

Revising with small regular breaks:



AQA GCSE English Language and Literature

Two separate subjects
=
Two separate grades

x2 exams per subject

Not contingent upon each other.

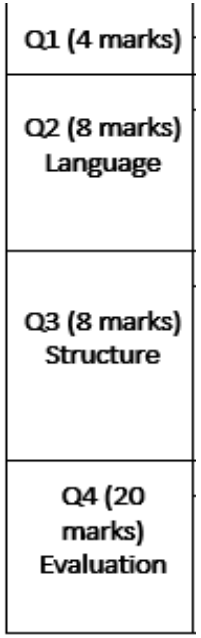
Literature is as equally important as Language!!!

AQA GCSE English Language

x2 Exams

Paper 1

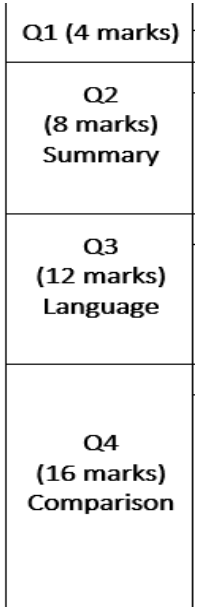
1 hour 45 mins
x1 fiction extract to read, understand and analyse
x5 questions



Q5
Creative Writing
Write a description or narrative.
(40 marks)
24 marks – content & organisation
16 marks – accuracy

Paper 2

1 hours 45 mins
x2 non-fiction extracts to read, understand, analyse and compare the perspective of the writers.
x5 questions



Q5
Creative Writing
Write a text responding to a prompt arguing an opinion.
(40 marks)
24 marks – content & organisation
16 marks – accuracy

AQA GCSE English Literature

x2 Exams

Paper 1

1 hour 45 mins

x2 questions

- ‘Macbeth’ by William Shakespeare
- ‘A Christmas Carol’ by Charles Dickens

Paper 2

Power & Conflict Poetry

2 hours 15 mins

x4 questions

- ‘An Inspector Calls’ by J.B. Priestley
- Power and Conflict Poetry Anthology
- Unseen Poetry Analysis and Comparison

How you can help your child – Core texts

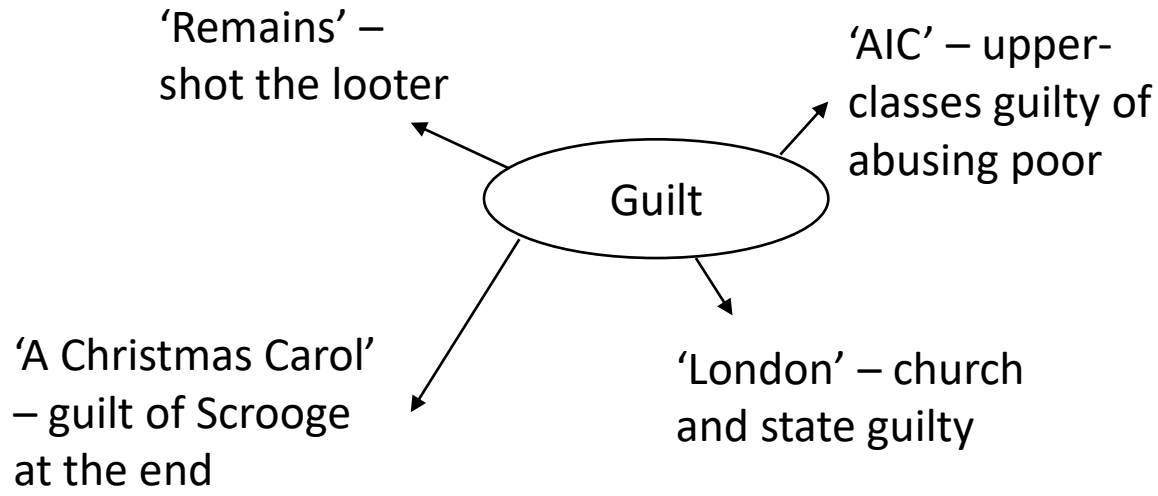
Use the Knowledge Organisers in the resources that will be sent home to test them with quick-fire questions.

Eg:

- ✓ What is Priestley's message in 'An Inspector Calls'?
- ✓ How does the British education system affect Agard in 'Checking Out Me History'?
- ✓ Ultimately, why does Macbeth die?

Explore themes across all texts by mind-mapping how each is shown.

Eg:



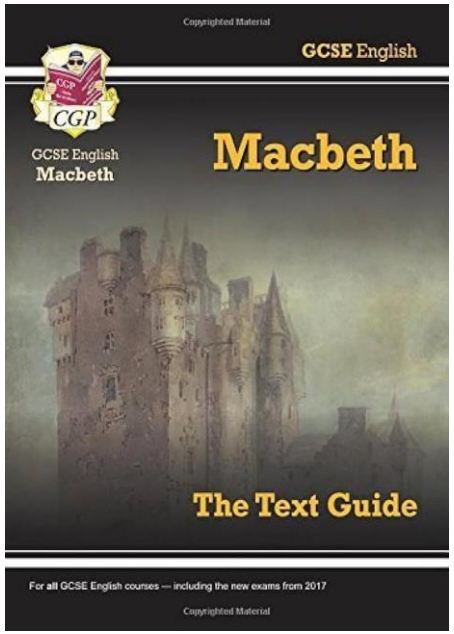
How you can help your child – Unseen Poetry

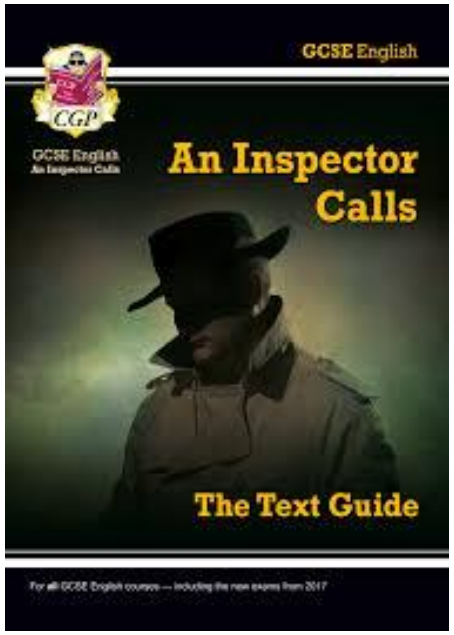
Find a random poem on the internet or in poetry collection.

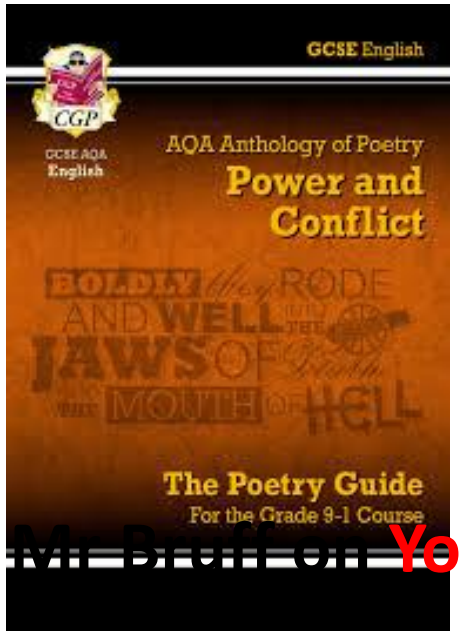
- ✓ Read it together.
- ✓ Sit and discuss your gut reactions to it.
- ✓ Select key quotes that back up your thoughts.
- ✓ Challenge their ideas and have them justify them and explore them.

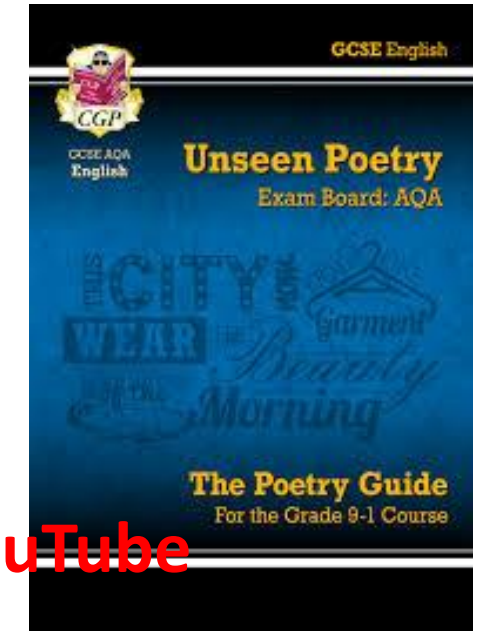
Useful resources

CGP Revision Guides







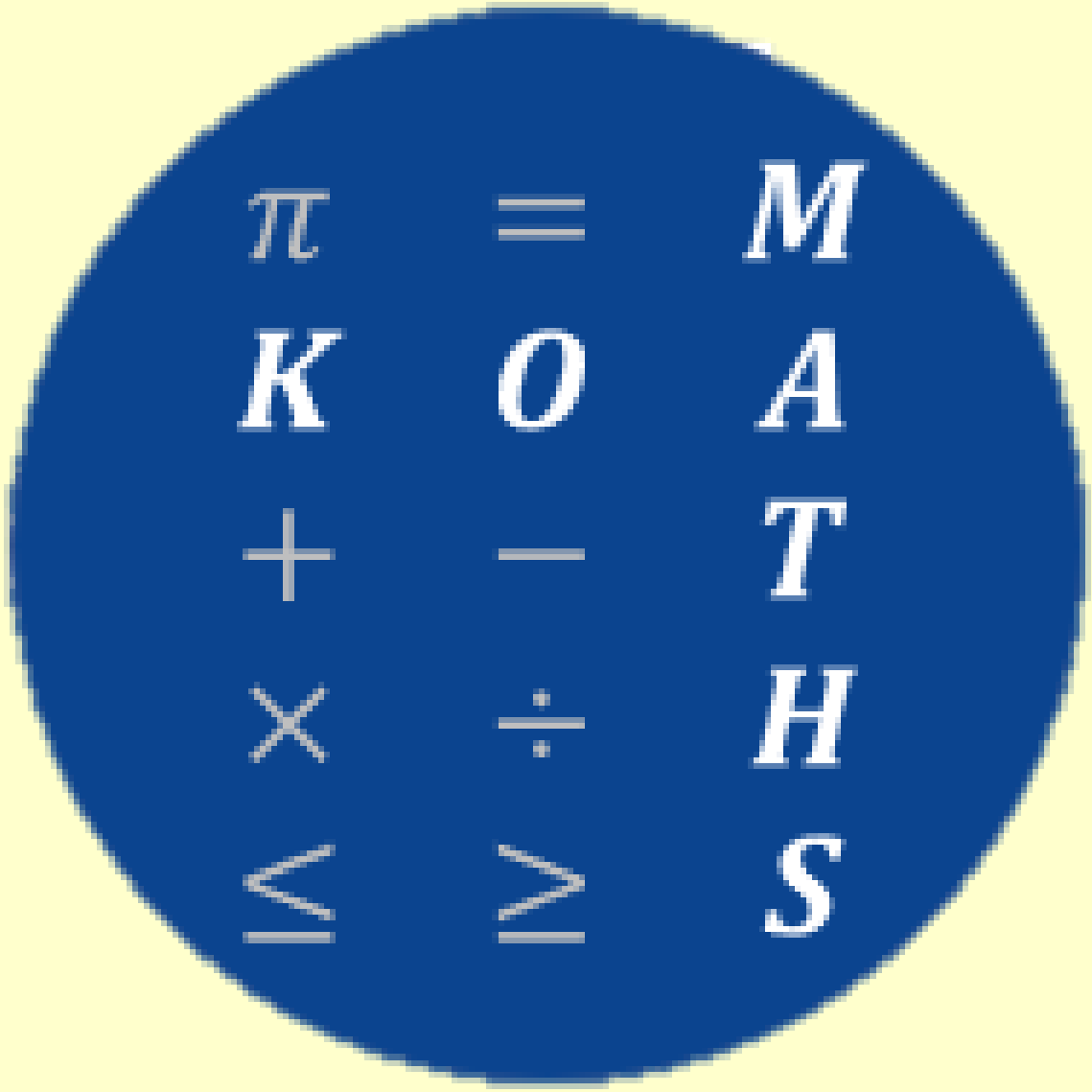


Mr Bruff on YouTube

BBC Bitesize

sparknotes

SENECA



King's Oak ACADEMY

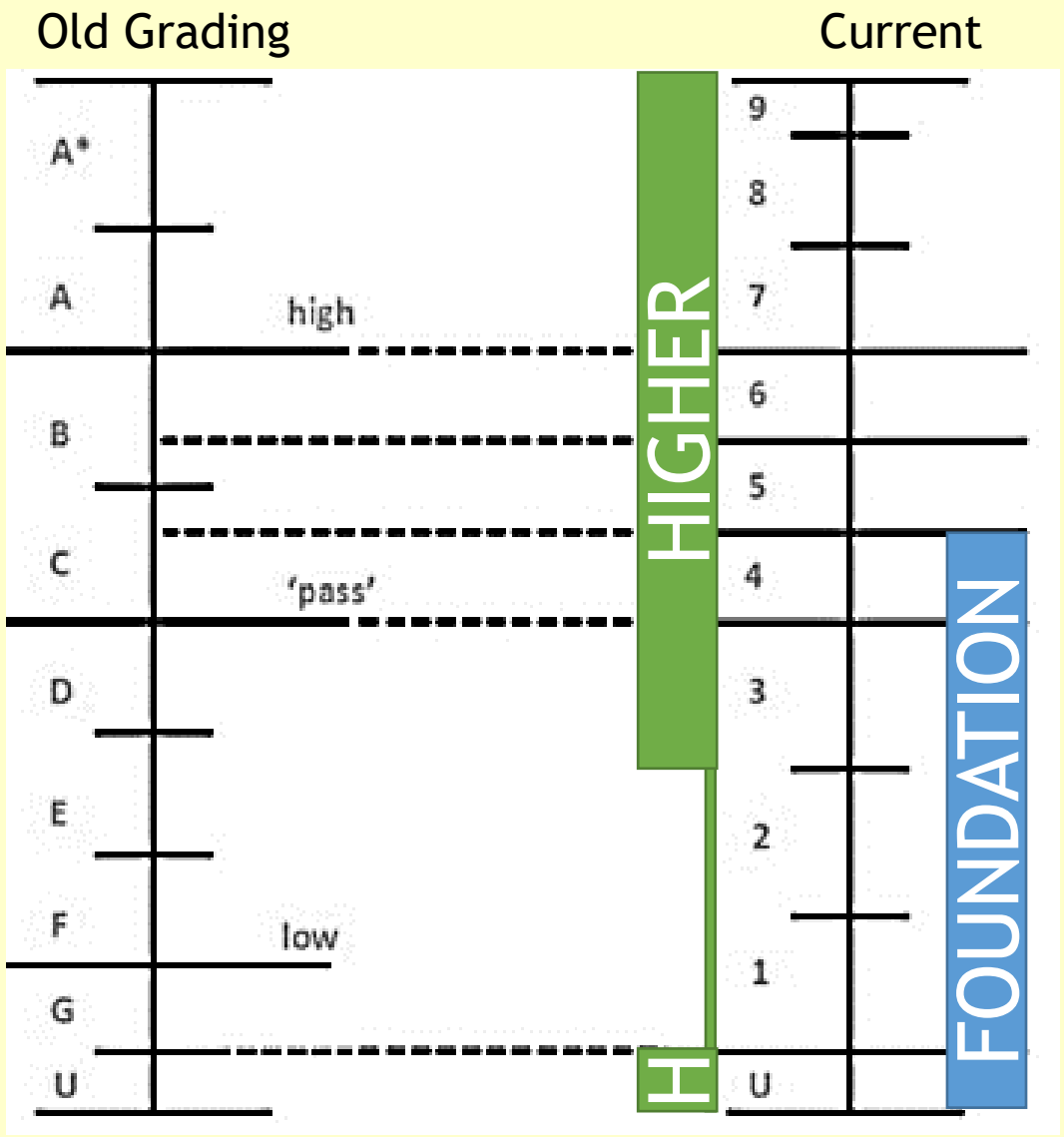
Year 11 Mathematics – Parents' Information

- Y11 Teachers:
  - Mr. Wood-Wright (Leader of Mathematics)
  - Mr. Wilkinson
  - Mr. Upham

- Exam Board: AQA (8300)
- Tier Choice: Higher/Foundation
  - Paper 1 (Non-calculator) – 1 hour 30 mins
  - Paper 2 (Calculator) – 1 hour 30 mins
  - Paper 3 (Calculator) – 1 hour 30 mins

King's Oak ACADEMY

Year 11 – Grading System (1-9)



- Foundation Tier allows students to achieve a level 1-5.
- Higher Tier allows students to achieve a level 3-9 (lower = U).
- UK Gov. currently requires students to continue with mathematics education post-16 until they achieve a level 4 or higher (the 'pass' mark).
- Level 8 is considered on par with the old A*, with the new level 9 granted approximately to the top 2 – 3% of candidates across the country.

King's Oak ACADEMY

Year 11 – Higher or Foundation?

- Overlap of content for levels 4 to 5.
  - The same question that appear later in the Foundation Papers will appear towards the start of the Higher Papers.
- Higher tier (currently) also includes a level 3, for candidates a ‘small number of marks’ below level 4.

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Year 11 – Higher or Foundation?

AQA June 2018 paper

LEVEL	9	8	7	6	5	4	3	2	1
Higher	201	169	138	107	77	47	32	-	-
Foundation					161	125	92	59	27

AQA June 2019 paper

LEVEL	9	8	7	6	5	4	3	2	1
Higher	206	171	136	105	74	43	27	-	-
Foundation					157	122	89	57	25

AQA June 2022 paper

Level	9	8	7	6	5	4	3	2	1
Higher	214	185	156	121	86	51	33		
Foundation					172	135	101	67	33

AQA June 2023 paper

Level	9	8	7	6	5	4	3	2	1
Higher	**214**	**186**	**158**	**125**	**92**	**59**	42	-	-
Foundation					**189**	**158**	117	76	35

When might I need to sit Higher?

- A level options with a dependence on strong number skills:
  - Mathematics – 7
  - Economics – 6
  - Computer Science – 7
  - Science – 6
  - Business – 6
  - Psychology – 6
  - Law - 5

- The grade boundaries for the last four external summer exams.
- 240 marks total (80 per paper).
- Mocks results, and in class data, will allow teachers to best support students in sitting the 'correct' tier.

King's Oak ACADEMY

Year 11 – How you can help your child.

Including your child in the discussion and use of real-life maths as much as possible at home. Engage students with things such as:

- Utility costs/bills.
- New building work (e.g. new kitchen floor costing).
- Shopping bills.
  - Looking for best ‘value for money’ products/alternatives.
- Train/bus timetables.
- Recipes.
  - Changing the quantities for different serving sizes.
  - Converting units.
- Journey planning.
- Costing holidays.
  - Total costs, p.p. costs, costs of extras, currency exchange.
- Sports odds (adverts, pundits, pre-match).
  - Who's more likely to win, what indicates this?

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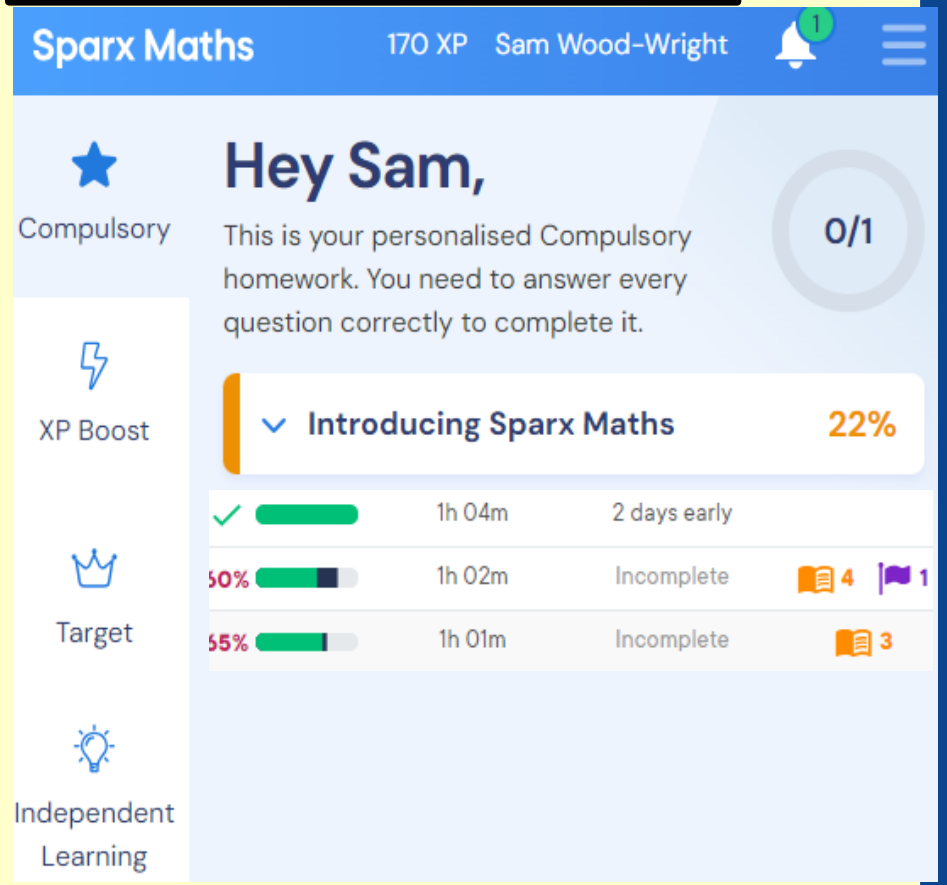
Year 11 - How you can help your child.

About SPARX Maths

- This website will support learners in understanding mathematics topics through video tutorials and practice questions.
- Compulsory homework is set each Thursday, hand-in by the following Thursday.
- Students should start their homework as soon as possible, so they can seek help before the deadline.
- Students can also access all topics and work independently with no instruction.
- Students can log in with their school Microsoft email.



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Year 11 - How you can help your child.

Post-Mock Question Level Analysis (QLA)

Mathematics Assessment Feedback

Paper

Name

Teacher

sparx

Questions	Topic	Score	Sparx Code
1	Percentage change	3 / 3	U671
2	Congruent triangles	1 / 1	U866
3	Standard form with positive indices, Multiply & divide numbers in standard form	2 / 2	U330, U264
4a	Index rules with positive indices	1 / 2	U235
4b	Index rules with positive indices	1 / 2	U235
5	Venn diagrams	2 / 2	U476
6	Finding equations of linear real-life graphs, Writing and simplifying ratios	0 / 3	U862, U687
7a	Multiplying fractions	1 / 1	U475
7b	Using a written method to multiply decimals	0 / 1	U293
8	Constructing loci	0 / 3	U820
9	Finding the area of circles, Finding fractions of amounts	4 / 4	U950, U881
10a	Tree diagrams for independent events	2 / 2	U558
10b	Tree diagrams for independent events, Expected results for repeated experiments	3 / 3	U558, U166
11	Solving equations with two or more steps	2 / 2	U325
12	Solving inverse proportion word problems	0 / 3	U357
13	Properties of 3D shapes	0 / 1	U719
14	Graphs of cubic functions	0 / 1	U980
15	Interpreting cumulative frequency graphs	1 / 3	U618
16	Expanding single brackets	1 / 3	U179
17a	[illegible]	1 / 1	U680
17b	Writing algebraic proofs	1 / 2	U582
18	Changing the subjects of formulae	0 / 4	U556
19	Solving geometric problems using vectors	2 / 4	U781
20	Converting recurring decimals to fractions, Adding and subtracting fractions	0 / 5	U689, U736
21	Graphs of inequalities	0 / 3	U747
22a	Adding and subtracting algebraic fractions	2 / 2	U685
22b	Simplifying algebraic fractions, Multiplying algebraic fractions	0 / 4	U294, U457
23a	Calculating acceleration from velocity-time graphs	0 / 1	U562
23b	Calculating distances from velocity-time graphs	0 / 2	U611
24	Tree diagrams for dependent events	0 / 4	U729
25	Transforming graphs	1 / 2	U455
26	Using the exact values of trigonometric ratios, Multiplying and dividing surds	0 / 4	U627, U633
	Total	31 / 80	

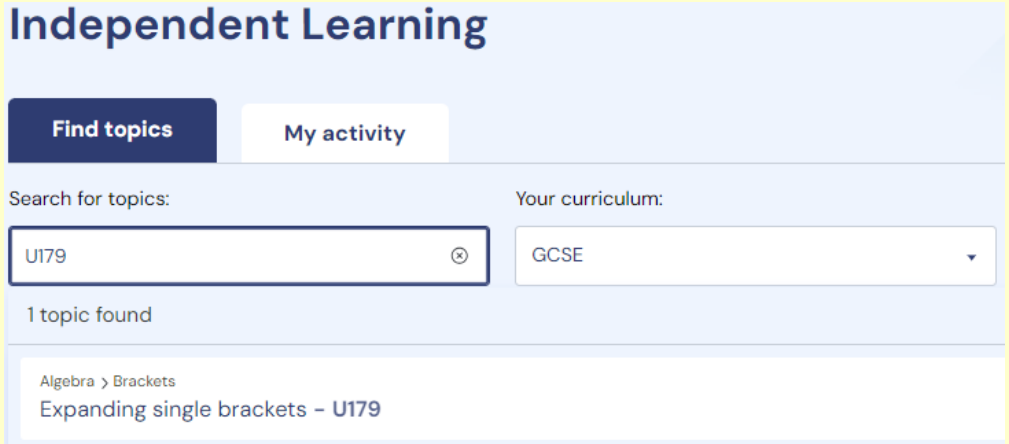
Sparx Ma

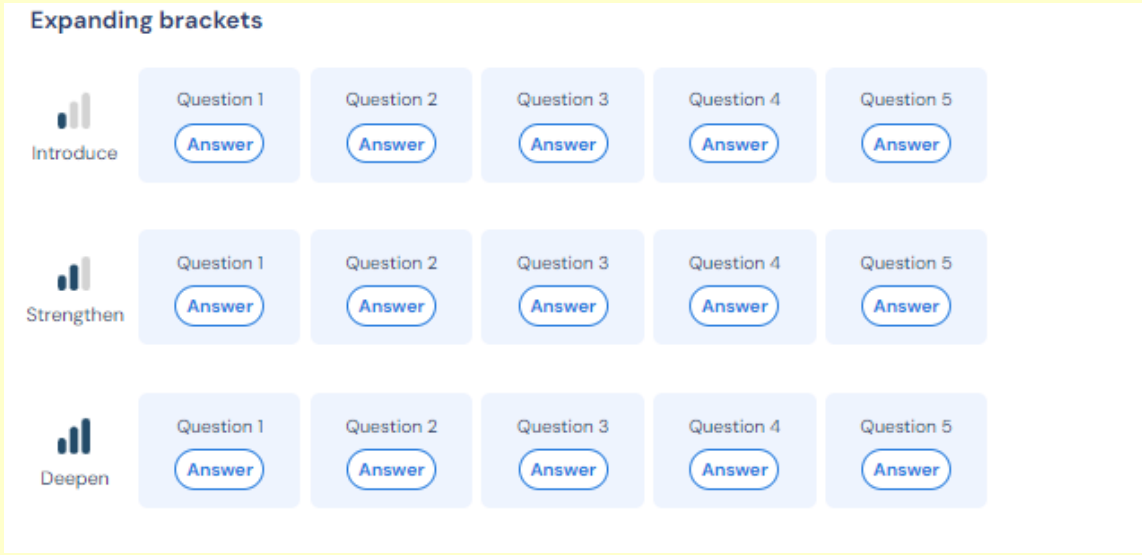
Compulsory

XP Boost

Target

Independent Learning





Year 11 - How you can help your child.

Post-Mock Question Level Analysis (QLA)

Independent Learning

Expanding brackets

Introduce	Question 1	Answer
Strengthen	Question 1	Answer
Deepen	Question 1	Answer

1A | 1B | 1C | 1D | 1E | Summary

Bookwork code: 1A

Calculator not allowed

Expand $2(3a + 4)$

Watch video | Answer

2A | 2B | 2C | 2D | 2E | Summary

Bookwork code: 2A

Calculator not allowed

Expand $4n(n - 3)$

Watch video | Answer

3A | 3B | 3C | 3D | 3E | Summary

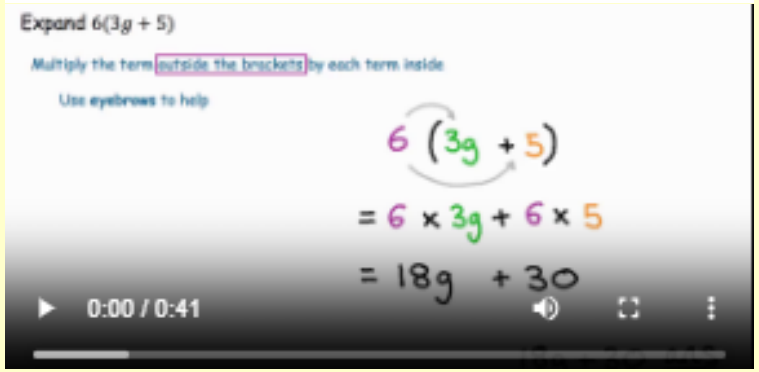
Bookwork code: 3A

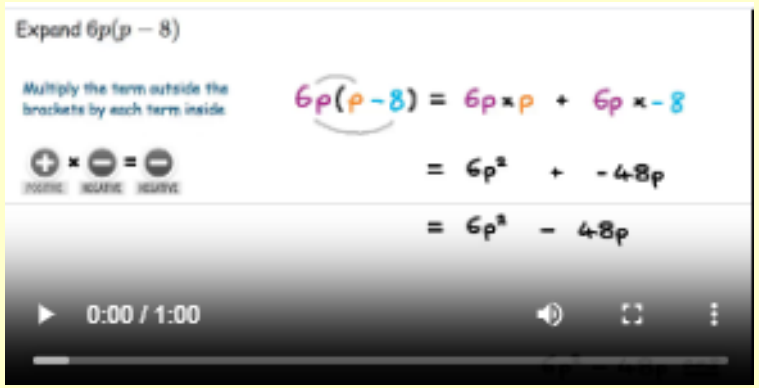
Calculator not allowed

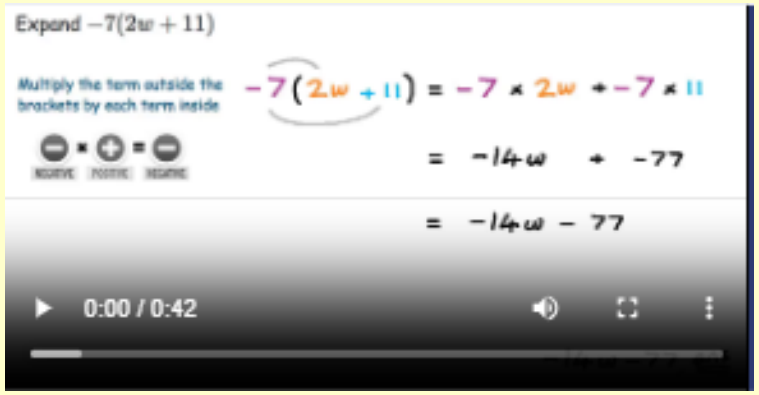
Expand $-6(5u + 3)$

Watch video | Answer

Support video



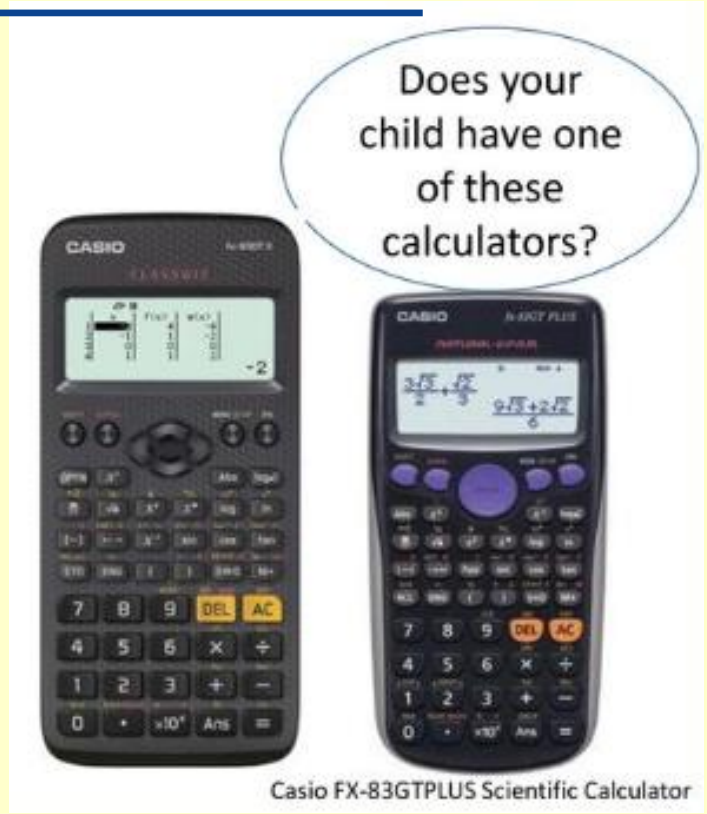




Year 11 – How you can help your child.

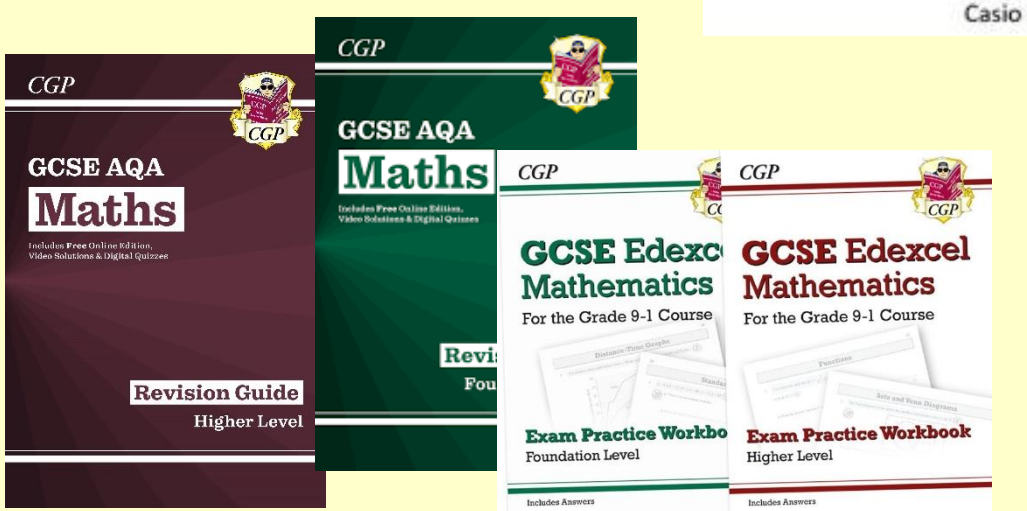
Other useful websites and resources

- www.Corbettmaths.com
- https://www.drfrostmaths.com/
- www.mathsgenie.co.uk
- www.nrich.co.uk
- www.justmaths.co.uk
- https://www.bbc.co.uk/bitesize



Casio FX-83GTPLUS Scientific Calculator

- Revision Guides:



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Year 11 – Most common myths…

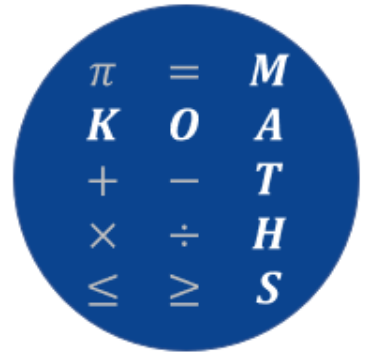
“I’ve got no homework…”

“It doesn’t matter how I do in the mocks…”

“I can re-do my exam…”

“The best way to revise is…”

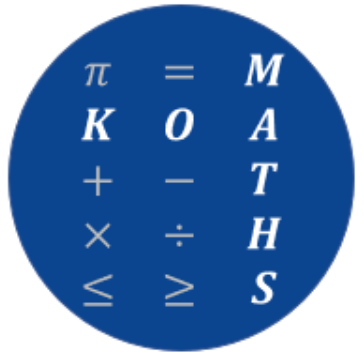
“My target grades are 4’s, and I am being predicted 4’s so I will be OK…”



King’s Oak ACADEMY

Year 11 – Top tips for success.

- Be positive about maths – it is a key qualification for all students.
- Encourage your child to work independently – 30 mins twice a week at this stage would be ideal (in addition to compulsory Sparx!)
- Don't revise things that they already know how to do – challenge themselves to improve/perfect 1 new skill each time they revise.
- Don't give up! – we all make mistakes but over time these will reduce and the marks will improve.
- Asking for help when it is needed – every member of the department are more than happy to help, so if your child is struggling they can speak to any of us.
- Using school resources effectively – 4 hours of mathematics lessons a week, make every minute of every lesson count! Plus 1 hour of optional after school (Monday or Thursday), and more sessions to be added in the future!
- Practice, Practice, Practice!!!



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