

Time is ticking...

- Mock One: W/C **13th November**
- Mock Two: W/C **4th March**
- Parents Evenings: **14th December, 18th April**
- GCSE Exams: **May/June**

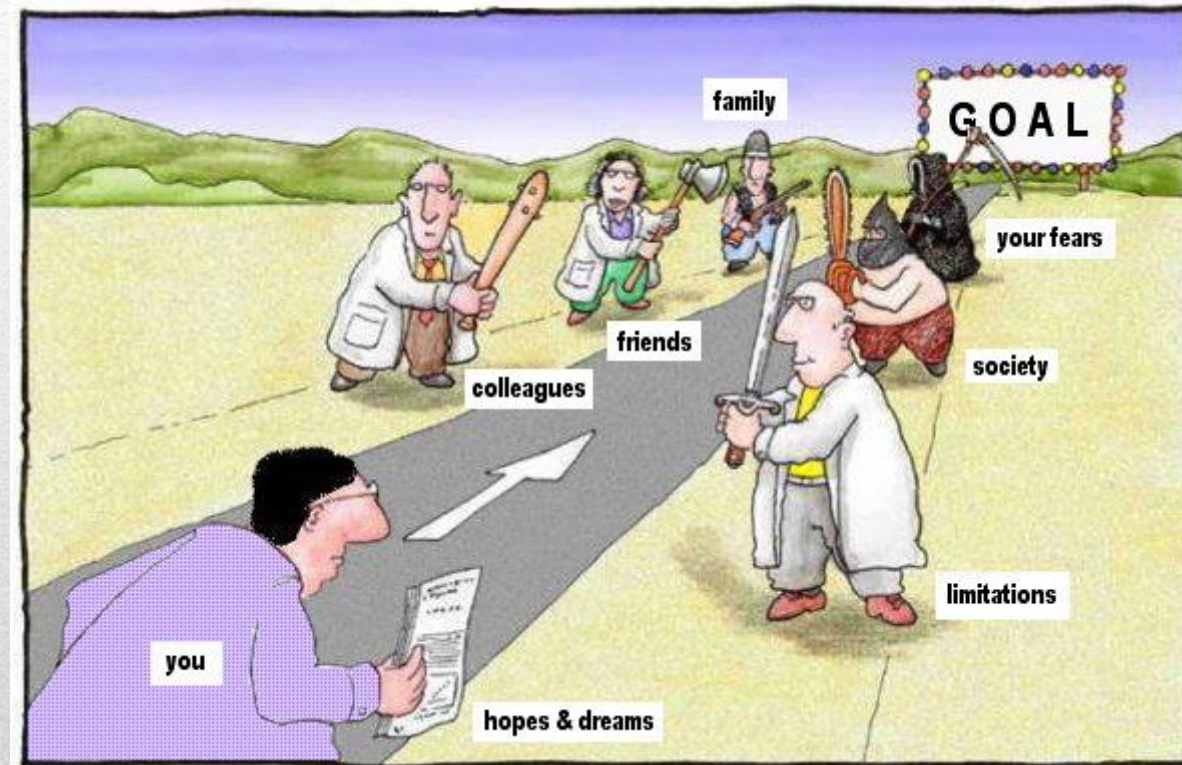


What's stopping our pupils?

Fear of failure

My friends will laugh at me

Lack of time



Too much effort

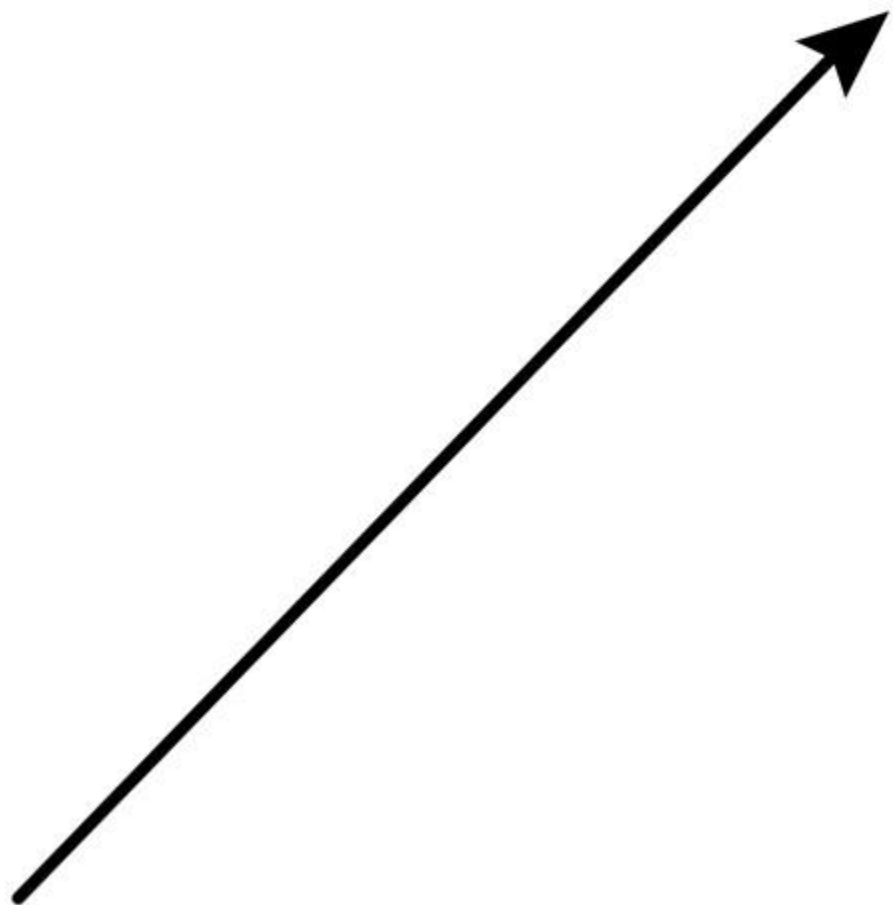
I don't want to stand out

I don't know how to revise

Lack of help at home

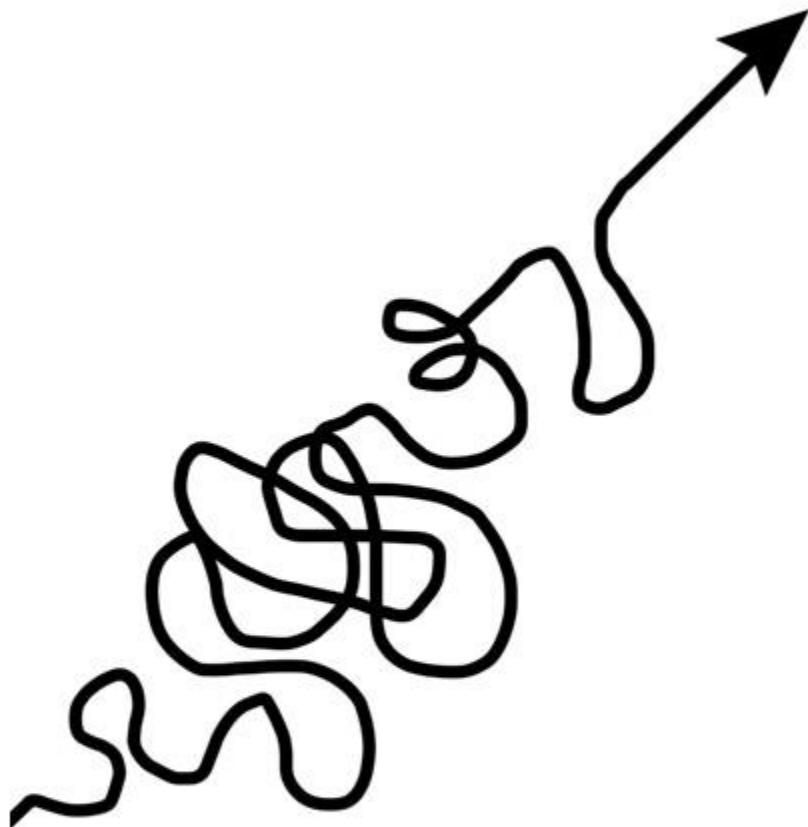
Distractions

SUCCESS



what people think
it looks like

SUCCESS



what it really
looks like



When should they start?

With mock exams coming up and the real ones soon, pupils should have already started revising!

Remember most subjects have two or more exams. That means there is a lot of content to remember.

So pupils need to:

- 1. Start early - don't cram!**
- 2. Store knowledge in their long term memory.**

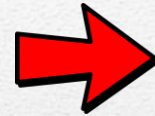
This helps to avoid panicking, stress, melt downs and giving up!

The science part

Encoding



Consolidation



Retrieval

When you learn or revise information for your exams (e.g. **writing** your revision notes)



As you **sleep**, new information is transferred to your long-term memory

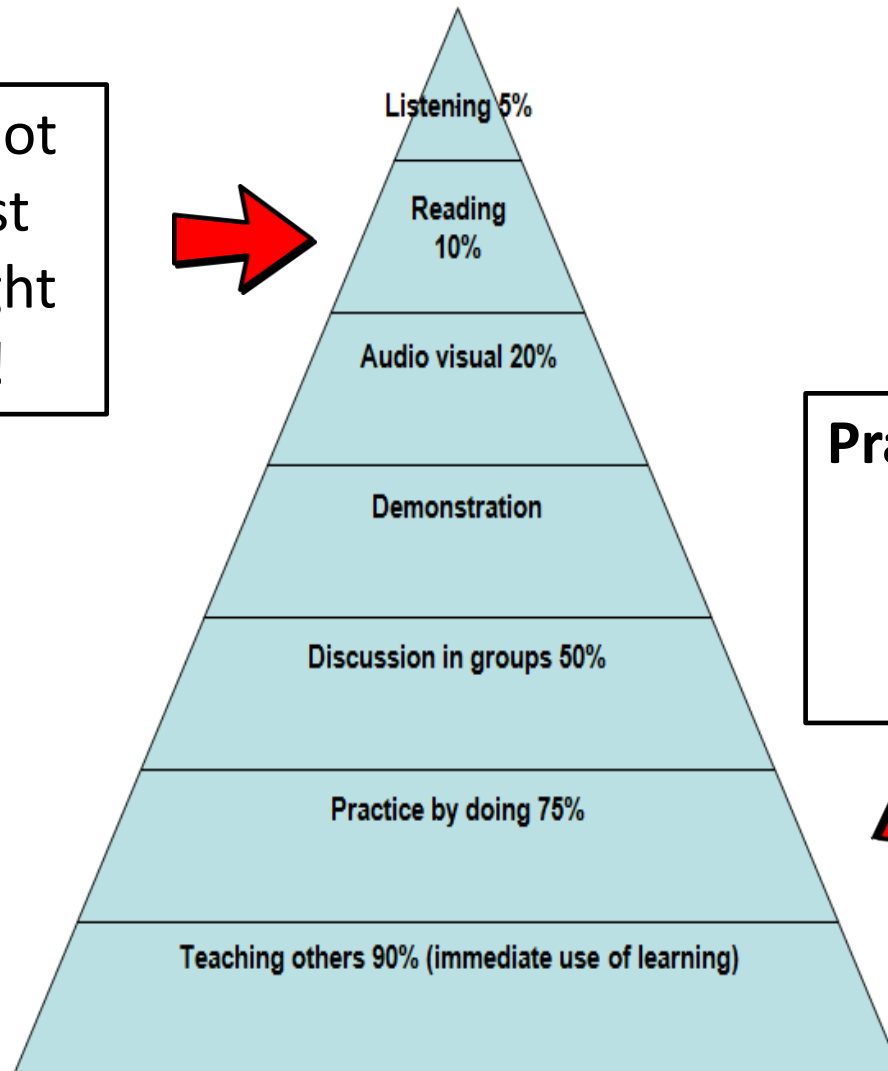


Going back and **recalling** the learnt information (e.g. by using flashcards or quizzes)



The revision pyramid

In short: it is not enough to just read or highlight information!



Practice cements the information into your long-term memory.

The 3 keys to effective revision

1

Get **organised** and **prepared** with the right equipment

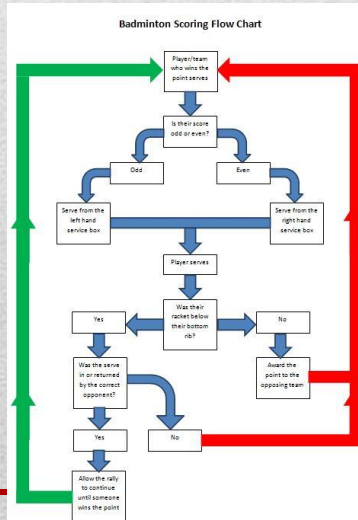
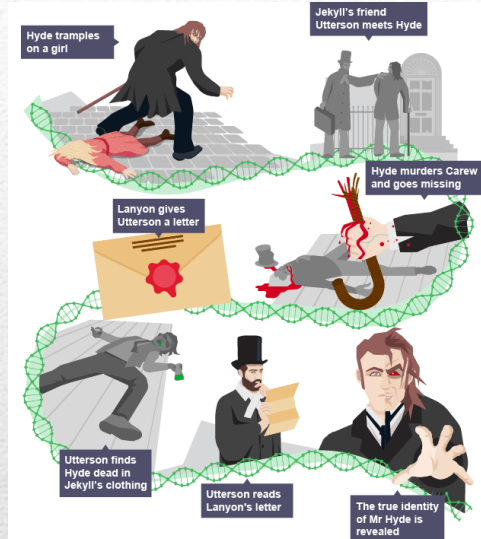
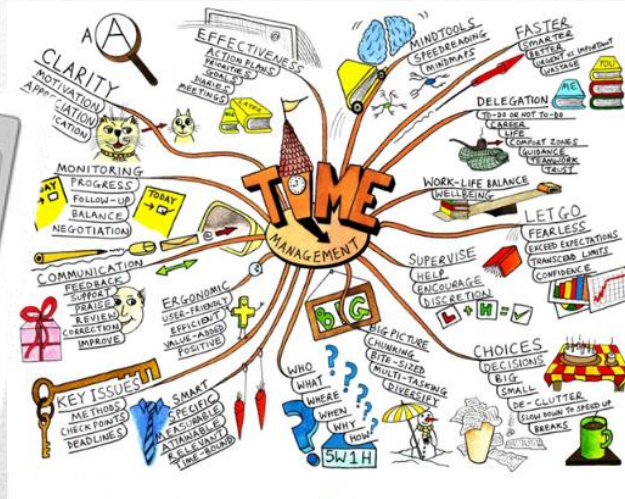
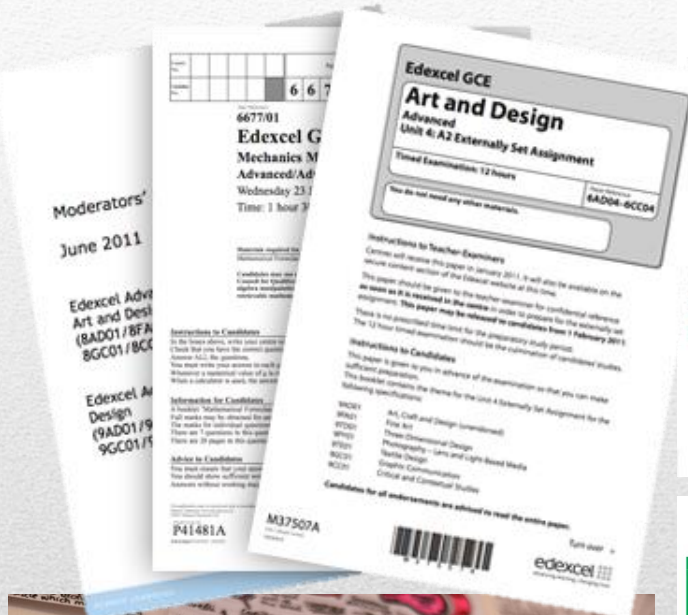
2

Create any flashcards/revision resources in advance

3

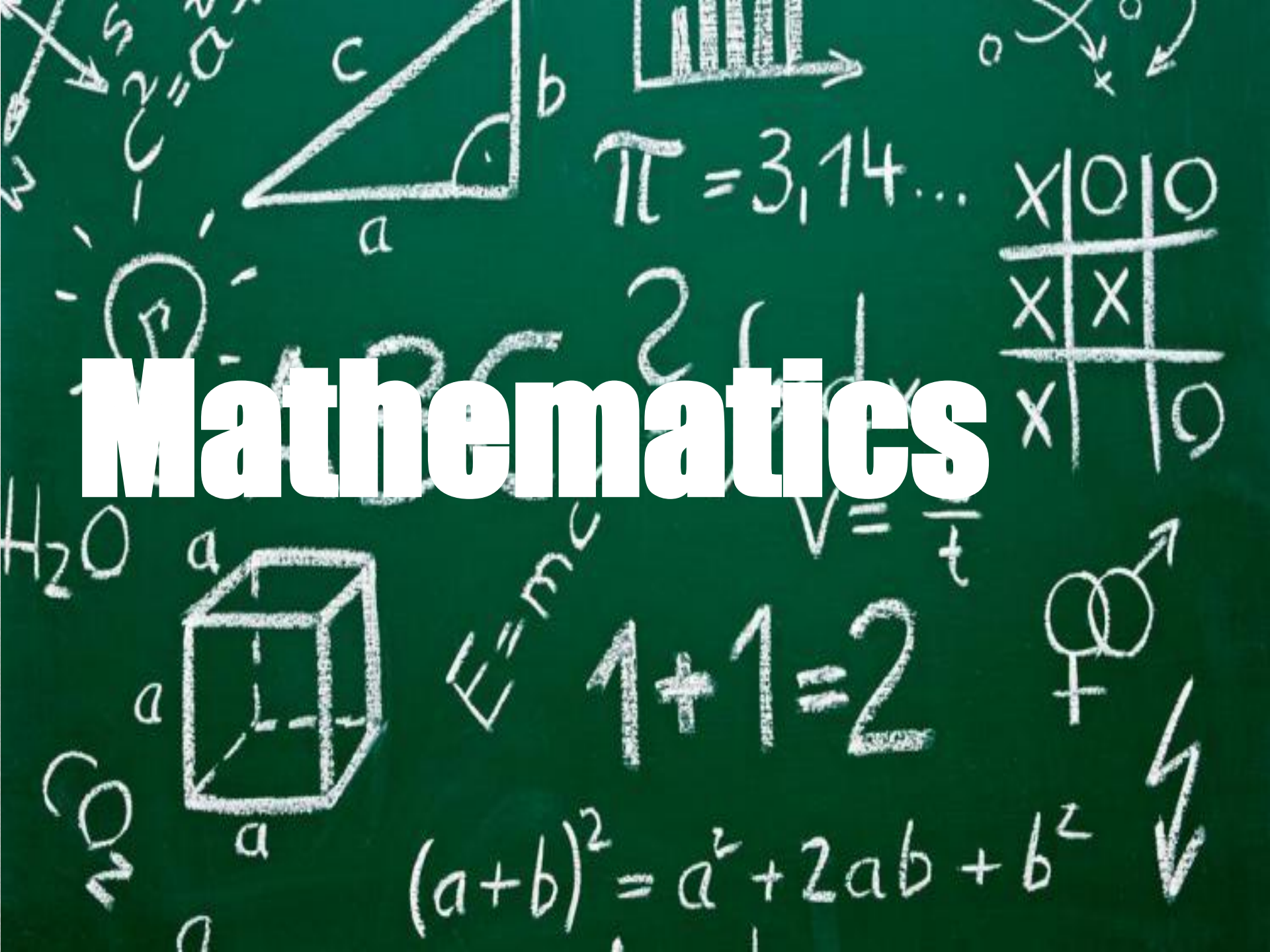
Revision must be regular and spaced

Revision Techniques



- Mind maps or spider diagrams:**
- Key question, exam question or a key topic in the centre;
 - Subtopics or subheadings;
 - Add key pieces of information;
 - Develop some of your points;
 - Add symbols or images;
 - Use different coloured pens or highlight different points;
 - Use different sized pieces of paper.

Mathematics



Mathematics GCSE Qualification

Exam board is Edexcel (H), OCR (F)

100% examined (no coursework)

THREE written exams

Paper 1 Non calculator (H80/F100 marks) 1 ½ hours

Paper 2 Calculator (H80/F100 marks) 1 ½ hours

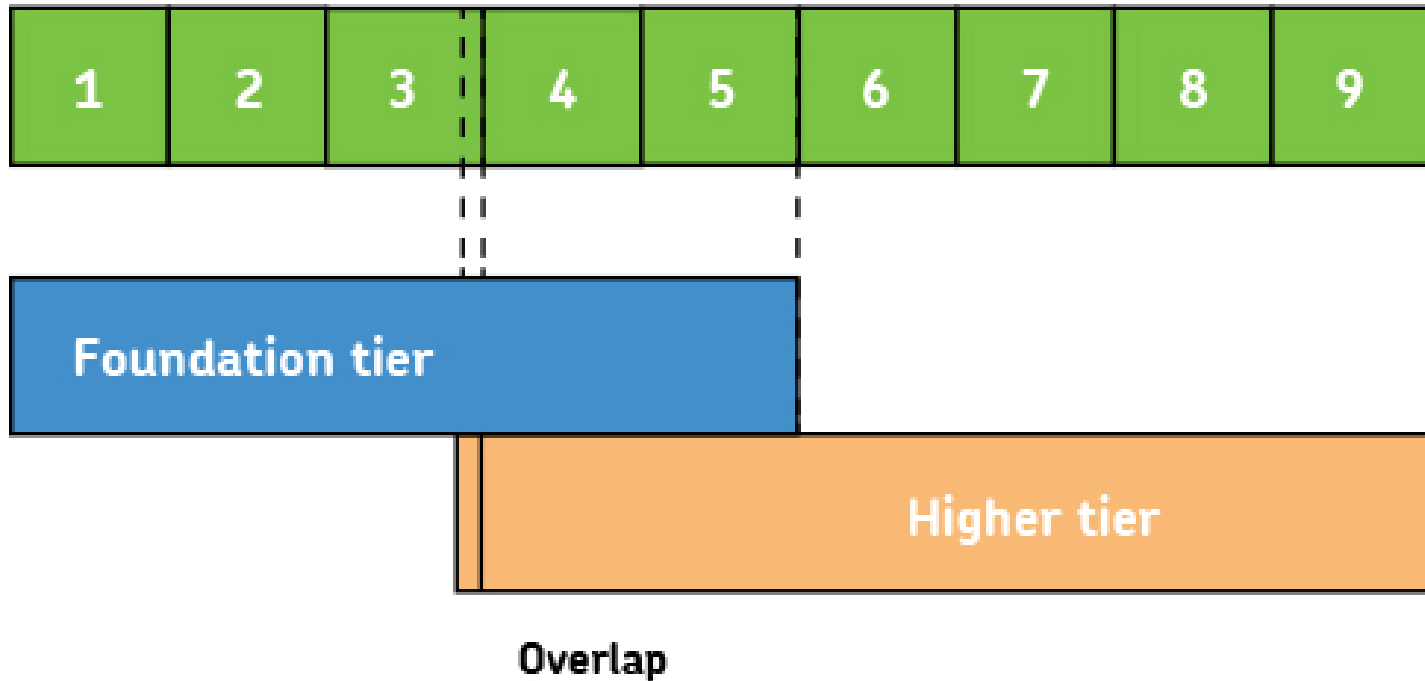
Paper 3 Calculator (H80/F100 marks) 1 ½ hours

All papers can contain content from the whole curriculum

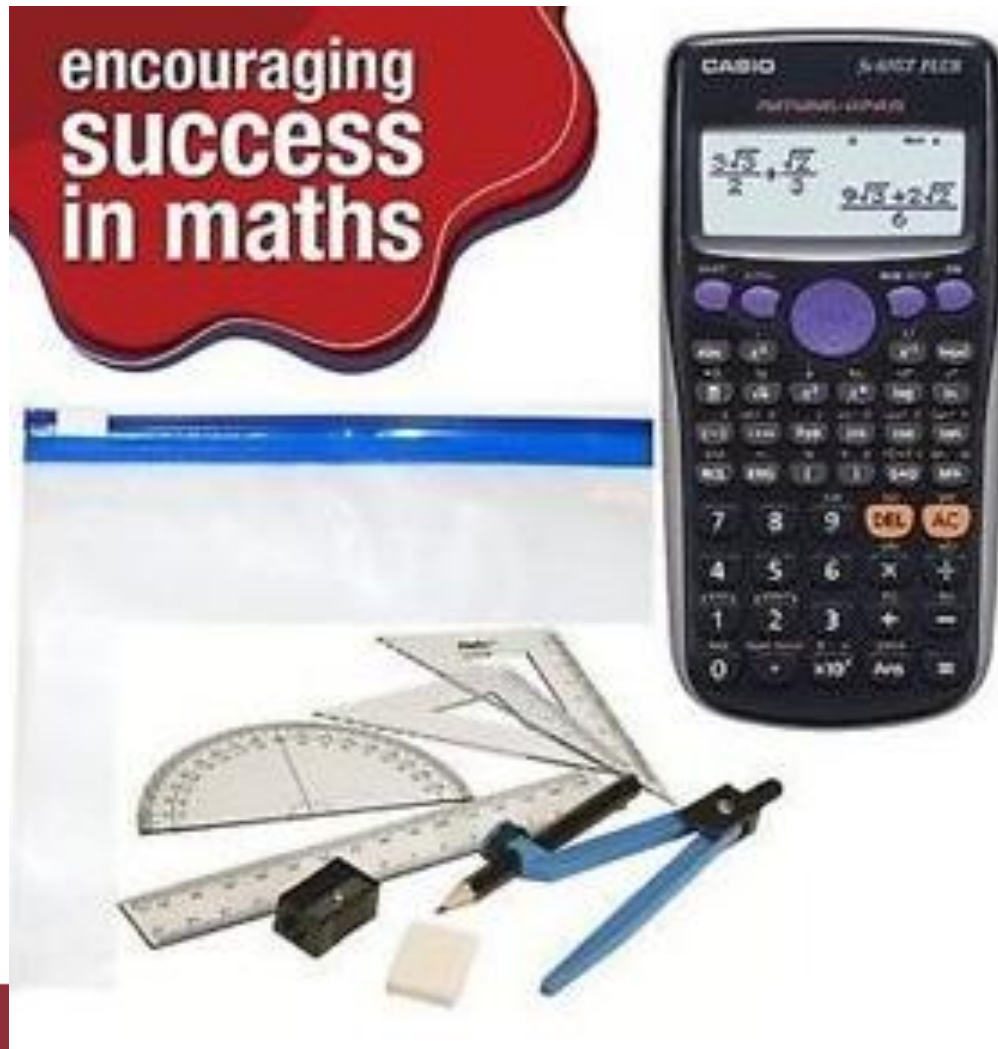
Mathematics examinations

- Large focus on problem-solving.
- Requirement to provide clear mathematical arguments.
- No confirmation has been given regarding the issuing of 'Exam Aids' (as used in 2023) for the summer 2024 series
(basic formulae for the examinations)

Mathematics tiers



The tools to do the job!



edexcel

Edexcel GCSE (9-1) Maths: need-to-know formulae

www.edexcel.com/gcsemathsformulae

Areas		Volumes	
Rectangle $l \times w$		Cuboid $l \times w \times h$	
Parallelogram $a \times h$		Pipe: area of cross-section \times length	
Triangle $\frac{1}{2} b \times h$		Cylinder $\pi r^2 h$	
Trapezium $\frac{1}{2}(a+b) \times h$		Volume of pyramid $\frac{1}{3} \times$ area of base $\times h$	
Circles		Compound measures	
Circumference $\pi \times$ diameter, $C = \pi d$		Speed $\text{speed} = \frac{\text{distance}}{\text{time}}$	
Circumference $2 \pi \times$ radius, $C = 2\pi r$		Density $\text{density} = \frac{\text{mass}}{\text{volume}}$	
Area of a circle $\pi \times$ radius squared, $A = \pi r^2$		Pressure $\text{pressure} = \frac{\text{force}}{\text{area}}$	
Pythagoras		Trigonometric formulae	
Pythagorean Theorem For a right-angled triangle, $a^2 + b^2 = c^2$		Sine Rule $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$	
Trigonometric ratios (near to 90°) $\sin \theta = \frac{\text{opp}}{\text{hyp}}$, $\cos \theta = \frac{\text{adj}}{\text{hyp}}$, $\tan \theta = \frac{\text{opp}}{\text{adj}}$		Cosine Rule $a^2 = b^2 + c^2 - 2bc \cos A$	
Quadratic Equations The Quadratic Equation The solutions of $ax^2 + bx + c = 0$, where $a \neq 0$, are given by $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$		Area of triangle $\frac{1}{2} ab \sin C$	
		Foundation list formulae	Higher list formulae

YEAR 11 AUTUMN TERM PLANNING

2023/24

WEEK 1	w/s 7 th Sept			MW - SoW
WEEK 2	w/s 11 th Sept	SNAPSHOT 1		MW - Pinpoint
WEEK 3	w/s 18 th Sept			MW - SoW
WEEK 4	w/s 25 th Sept			MW - SoW
WEEK 5	w/s 2 nd Oct	SNAPSHOT 2		MW - Pinpoint
WEEK 6	w/s 9 th Oct			MW - SoW
WEEK 7	w/s 16 th Oct			MW - SoW

	w/s 23 rd Oct	HALF TERM		
--	--------------------------	-----------	--	--

WEEK 8	w/s 30 th Oct	SNAPSHOT 3		MW - Pinpoint
WEEK 9	w/s 6 th Nov			MW – PAST PAPER 1
WEEK 10	w/s 13 th Nov	MOCK 1 EXAMINATIONS		
WEEK 11	w/s 20 th Nov	MOCK 1 EXAMINATIONS		
WEEK 12	w/s 27 th Nov	MOCK 1 <u>EXAMINATIONS</u> (part week)		
WEEK 13	w/s 5 th Dec	NO MONDAY	MOCK follow-up	
WEEK 14	w/s 11 th Dec	MOCK follow-up		
WEEK 15	w/s 18 th Dec	MOCK follow-up		

Revise!

Revision strategy



Following your own revision timetable – 3 hours of maths a week

Using Mathswatch to look up key topics – every week night

Using Maths genie to look at the topics for each grade – ½ hr every other night

Using examq.co.uk to target particular types of questions – all GCSE questions but can be searched for by difficulty of question

Use the MATHS HUB to access a plethora of revision material suitable for different learning styles

Using Examination Performance information to guarantee revision is targeted on the right gaps in knowledge

Completing weekly homework and the 'snapshot' test papers in class every 3 weeks

Attending available lunchtime support sessions in MA4

After school BIG PUSH sessions as per the published schedule

Trying the stretch and challenge questions in a lesson

Using a revision guide – at least 3 hours a week.

How can PINPOINT LEARNING help?

Grade	Mwatch	Topic	Bespoke Y10 EoY HIGHER P1	Bespoke Y10 EoY HIGHER P2	9to1 Practice Set4 1H	Conclusion
1	12b	Congruent Shapes	100% *	-	-	Tested Once Only
3	74	Multiplying and Dividing Fractions	100% *	-	-	Tested Once Only
4	125	Probability and Relative Frequency	-	-	100% **	Tested Once Only
4	80	Worded LCM Questions	-	-	100% *	Tested Once Only
4	137	Forming and Solving Equations	-	-	100% ***	Tested Once Only
4	91	Estimation	-	-	100% *	Tested Once Only
4	NA	Finding volume, then mass and density	-	-	100% **	Tested Once Only
4	48	Reflections	-	-	100% **	Tested Once Only
4	148	Enlargements	-	-	50% *	Tested Once Only
4	182	Mixed Transformations	-	-	33% **	Tested Once Only
4	59	Probability	-	-	50% ***	Tested Once Only

Identify the area of concern (Pinpoint Learning)

Clip 115 Volume of a Cuboid

One Minute Maths

Interactive Questions

Worksheet

Clip 115

**VOLUME OF
A CUBOID**

04:59

Find a Clip

Qualification

GCSE

Tier

Higher

Grade

All

Topic

Geometry

Search

Choose Clip (45)

Clip	Title
112	Metric conversions
113	Problems on Coordinate Axes
114a	Surface Area of Cuboids
114b	Surface Area of Triangular Prisms
115	Volume of a Cuboid
116	Circle Definitions
117	Area of a Circle
118	Circumference of a Circle
119	Volume of a Prism

Do, Do, Do!

- Once revision of the topic has taken place on MATHSWATCH then test understanding by completing EXAM QUESTIONS via the [MATHSHUB/ examq.co.uk](https://mathshub/examq.co.uk)
- <https://sites.google.com/view/barlowmathshub/home>

Visit the Year 11 page



The Barlow RC High School

[Home](#) [Year 7](#) [Year 8](#) [Year 9](#) [Year 10](#) [Year 11](#) [KS4 units and lessons](#)

EDEXCEL PAST PAPERS(WITH ANSWERS)

EVERY TOPIC WITH ANSWERS- CLICKME!

GRADE 5 Revision book

GRADE 7 Revision book

GRADE 9 Revision book

GRADE 5 Revision book answers

GRADE 7 Revision book answers

GRADE 9 Revision book answers

Target grade stated

Bronze - fully differentiated

Silver: Partially differentiated

Gold: Extended answer questions

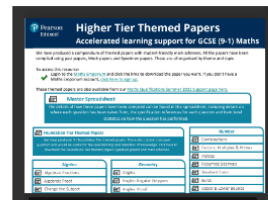
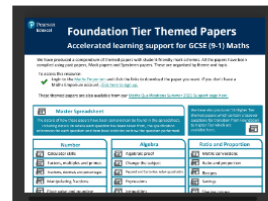
Grades 1 - 3 bronze

Grades 1 - 3 silver

Grades 1 - 3 gold

Grades 4 - 5 bronze

Grades 4 - 5 silver



Year 11 Exams 2024

Use these websites to find topic revision: video examples, practice exam questions and worked solutions:

[Maths Genie](#) | [Corbett Maths](#) | [Mr Barton Maths](#)
[Takeaway](#) | [Mr Barton Maths Topic Search](#) | [Just Maths](#)
| [Dr Frost](#)

How to Revise

Formulae you need to know

HIGHER Formulae not given that you need to know

FOUNDATION Formulae not given that you need to know

This site uses cookies from Google to deliver its services and to analyze traffic. Information about your use of this site is shared with Google. By using this site, you agree to its use of cookies.

[LEARN MORE](#) [GOT IT](#)

These are excellent



The Barlow RC High School

Home Year 7 Year 8 Year 9 Year 10 Year 11 KS4 units and lessons

EDEXCEL PAST PAPERS(WITH ANSWERS)

EVERY TOPIC WITH ANSWERS- CLICKME!

GRADE 5 Revision book

GRADE 7 Revision book

GRADE 9 Revision book

GRADE 5 Revision book answers

GRADE 7 Revision book answers

GRADE 9 Revision book answers

Target grade stated

Bronze - fully differentiated

Silver: Partially differentiated

Gold: Extended answer questions

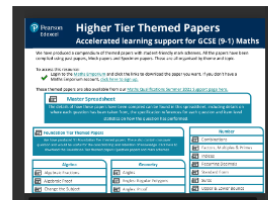
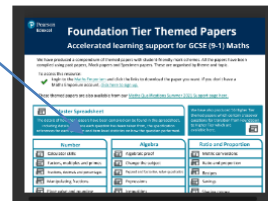
Grades 1 - 3 bronze

Grades 1 - 3 silver

Grades 1 - 3 gold

Grades 4 - 5 bronze

Grades 4 - 5 silver



Year 11 Exams 2024

Use these websites to find topic revision: video examples, practice exam questions and worked solutions:

[Maths Genie](#) | [Corbett Maths](#) | [Mr Barton Maths Takeaway](#) | [Mr Barton Maths Topic Search](#) | [Just Maths](#) | [Dr Frost](#)

How to Revise

[Formulae you need to know](#)

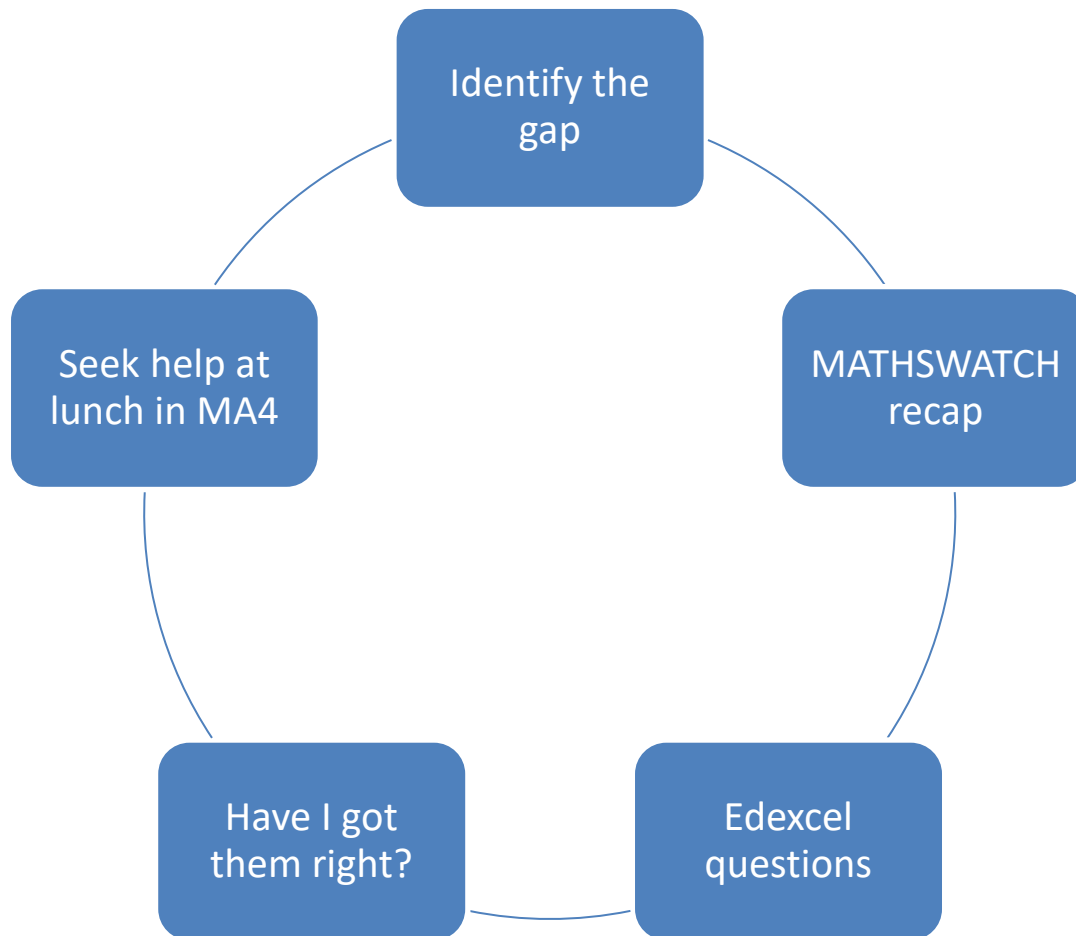
[HIGHER Formulae not given that you need to know](#)

[FOUNDATION Formulae not given that you need to know](#)

This site uses cookies from Google to deliver its services and to analyze traffic. Information about your use of this site is shared with Google. By using this site, you agree to its use of cookies.

[LEARN MORE](#) [GOT IT](#)

Question, Question, Question



How to support at home

- Check equipment: pen, pencil, ruler, calculator, etc.
- Revision guides and websites
- Encourage homework and revision
- Encourage good sleep and eating habits

English



English GCSE Qualifications

English Literature and English Language
Exam board is AQA

100% examined (no coursework)

FOUR written exams

- **English Literature** - Paper 1 – 1hr45m - Macbeth and A Christmas Carol – 40%
- **English Literature** – Paper 2 – 2hr15m - An Inspector Calls, Poetry Anthology, Unseen Poetry – 60%
- **English Language** – Paper 1 – 1h45m – 50%
- **English Language** – Paper 2 – 1h45m – 50%

The revision process



Understand the key information



Learn the key information



Apply the key information



Understand the key
information

**Plot, themes, characters, key
quotations, key analysis,
writers' intentions**

- Attendance to school and Big Push
 - Attitude and participation in lessons
 - Completing homework – regular homework booklets
 - Re-reading the Literature texts – Macbeth, A Christmas Carol, An Inspector Calls
 - Expert teachers in classrooms
-



**Learn the key
information**

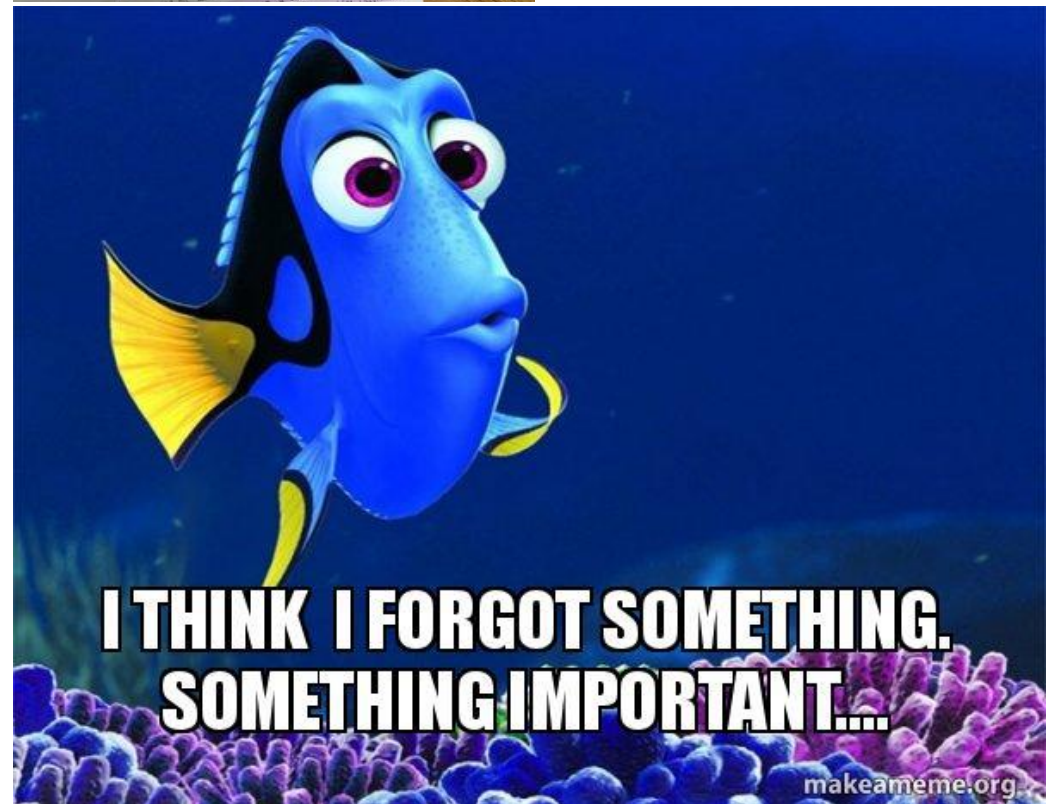
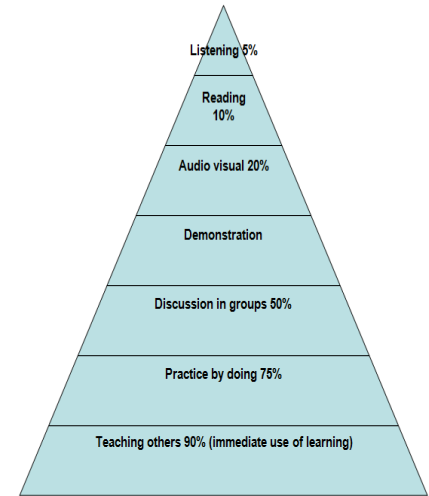
**Plot, themes, characters, key
quotations, key analysis,
writers' intentions**

- Attendance to Big Push sessions
 - Tutoring – selected students – starts in November
 - Use Revision Lists to guide revision
 - Revision guides – will be available on ParentPay
 - Revision Strategies – flashcards – daily recall
-

Using Flashcards

- High quality revision resources are created to learn from.
- Ensures regular, spaced, practice.
- Allows for practice by doing
- Allows for teaching others

- ## Using Flashcards
- High quality revision resources are created to learn from.
 - Ensures regular, spaced, practice.
 - Allows for practice by doing
 - Allows for teaching others





**Apply the key
information**

- Weekly assessments in class
 - Practice essay plans
 - Complete past exam questions at home – AQA site
 - Mock exams – week beginning 13th November
-

Next steps...

- Creating **flashcards/resources**
 - Completion of **homework booklets**
 - Regular **practice** at home
 - Preparing for the **mock exams** – using the revision list and completing past exam papers – option to purchase revision guides/texts
 - **Parents Evening** – December – specific guidance from all teachers about mock results and exam preparation
-