GCSE Mock Examination and Core Subject Information Evening

Tuesday 7 November 2023



This evening...

- Preparation for mocks
 - Nuts and bolts!
 - Revision advice when, what and how?
- Core subjects
 - English
 - Mathematics
 - Science
- Support from school

Timeline

Term	Weeks
Term 1	8
Term 2	6½ weeks Mock exams – start halfway through week 4 (last 2 weeks)
Term 3	5½ weeks
Term 4	5½ weeks
Term 5	6½ weeks Timetabled lessons: 4 weeks Celebration day: Friday 3 May GCSE exams start: Thursday 8 May, run for 2 ½ weeks before half term
Term 6	2½ weeks of exams Finish 19 June

Why do mock examinations matter?

- Chance to revise some of the content and assess effectiveness
- Dress rehearsal in formal setting reduces stress
 - timing and structure
- Indicators for pupils and teachers how to improve
- Inform progress towards next steps beyond Year 11
- Delivers a message motivates/warning message
- In the event of a pandemic.....

Mocks 2023 - details

- Two school weeks: Wed 6 December Wed 20 December
- Most exams take place in the Sports Hall
- Students in school at all times
- Revision support or independent revision
- Provisional timetable available now (planning)
- Individual seating timetables issued mid-November
- One paper per GCSE, noting:
 - English (Literature and Language)
 - Maths (Calculator and non-calculator)
 - Science (combined or separate)
 - MFL listening (before mock period, in lesson)
 - MFL speaking exams (end of Jan/start of Feb)

Date	Session 1	Session 2	Session 3
Wednesday 6th December	English Language		Computer Science/Cambridge IT
Thursday 7th December	Business Studies		Maths non calculator
Friday 8th December	Sociology		Combined Science/Separate Science Biology
Monday 11th December	Graphic Products/ Resistant Materials	Cope/ Cn, Jp, Sp Reading	Cope/ Cn, Jp, Sp Writing
Tuesday 12th December	History	Drama/ Separate Science Chemistry	PE/ VCERT Health and Fitness
Wednesday 13th December	English Literature		Geography
Thursday 14th December	Food	French Reading	French Writing
Friday 15th December	Art all day	Art all day	Art all day
Monday 18th December	Drama		Combined Science/Separate Science Physics
Tuesday 19th December	Music		Cambridge Health and Social Care
Wednesday 20th December	Maths Calculator		

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 - Science (combined or separate)
 - MFL listening (before mock period, in lesson)
 - MFL speaking exams (end of Jan/start of Feb)
- Exam structure for each subject.....

Mock Examination Summary Information

Subject: English Language

	Include:
Paper information - overview	One paper which lasts for 1 hour and 45 minutes: English Language Paper 2 – Writers' Viewpoints and Perspectives:
	Section A (reading and answering four questions of increasing difficulty based on two extracts from a modern non-fiction text and a 19th century non-fiction text); Section B (pupil's own writing from a viewpoint)

	Include:
Content details	 English Language Paper 2 Section A: four questions of increasing difficulty based on two non-fiction extracts – one modern, one from the 19th century. Question 1: find four statements about an extract which are true (4 marks) Question 2: question on summarising similarities or differences between the two extracts. (8 marks) Question 3: question about the effect the language used by the writer has in one of the extracts (12 marks) Question 4: comparing how the two texts convey different viewpoints (16 marks)
	 English Language Paper 2 Section B: viewpoint writing Question 5: viewpoint writing based on a statement printed in the exam; pupils are required to respond to this statement. No choice of question. (40 marks: 24 marks for content and organisation; 16 marks for spelling, punctuation and grammar)

Mock Examination Summary Information

Subject: English Language

	Include:
Paper information - overview	One paper which lasts for 1 hour and 45 minutes: English Language Paper 2 – Writers' Viewpoints and Perspectives:
	Section A (reading and answering four questions of increasing difficulty based on two extracts from a modern non-fiction text and a 19 th century non-fiction text); Section B (pupil's own writing from a viewpoint)

	Include:
Content details	 English Language Paper 2 Section A: four questions of increasing difficulty based on two non-fiction extracts – one modern, one from the 19th century. Question 1: find four statements about an extract which are true (4 marks) Question 2: question on summarising similarities or differences between the two extracts. (8 marks) Question 3: question about the effect the language used by the writer has in one of the extracts (12 marks) Question 4: comparing how the two texts convey different viewpoints (16 marks)
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Subject: English Language

	Include:
Paper information - overview	One paper which lasts for 1 hour and 45 minutes: English Language Paper 2 – Writers' Viewpoints and Perspectives:
	Section A (reading and answering four questions of increasing difficulty based on two extracts from a modern non-fiction text and a 19 th century non-fiction text); Section B (pupil's own writing from a viewpoint)

Three Key Questions

When?
 What?
 How?

When?

Make a revision plan....

Revision Timetable

- Starts from Monday 13 November
- 3 week plan for each subject
- No other homework will be set
- Started already (science, maths)

We advise:

- 2 sessions each day (45 60 minutes) Mon Thurs
- 5 sessions at the weekend
- More if they can manage it?
- Skeleton plan provided
 - Modelled tomorrow
 - Balance subjects (all subjects)
 - Weight subjects (Science, English)
 - Prioritise if necessary
- Remove all distractions
- Have resources ready in advance



Mock Content

- Content selected by departments
- Summary sheet provides brief notes

	Include:		
Content details	For Section A USA 1919-1948 you could be examined on the following:		
	1920s USA including the causes of the boom, economic hardships, women, prejudice and intolerance for political views, racism towards African Americans and prohibition.		
	1930s USA including the causes of the Wall Street Crash, the Great Depression, the 1932 election, the New Deal and opposition to the New Deal.		
	1940s USA including the war economy WW2, the treatment of Japanese and African Americans.		
	For Section B Empire 1688-1730 you will be examined on the following:		
	Ireland, Scotland, emigration, the trans-Atlantic trade, the East India Company, the British economy and empire and the impact of Empire on British people (working lives, consumer habits, political ideas and racial ideas)		

Detailed Revision Plans

- Week by week
- Content to cover (chunked down)
- Resources

Topic:	Tasks to complete:
THEME ONE	Revision guide: pages 6-14
Topic 1.2 Spotting a business	
opportunity	GCSE Pod:
 Customer needs 	https://members.gcsepod.com/shared/playlists/playlist/1397450
 The role of market research 	
 Types of market research 	https://members.gcsepod.com/shared/podcasts/title/11457
 Market research data 	(market maps & competition)
 Market segmentation 	
 Market mapping 	GCSE Bitesize:
The competitive environment	What is a business?
	https://www.bbc.com/education/guides/zrvb9j6/revision
	Why set up a business?
	https://www.bbc.com/education/guides/zc3gkqt/revision/1
	Understanding customer needs, market mapping, segmentation,
	competition, adding value
	https://www.bbc.com/education/guides/zd4kq6f/revision/1

Detailed Revision Plans

- Week by week
- Content to cover (chunked down)
- Resources
- Strategies......How?

Gather	What should I do? 10%	 Gather resources needed to revise: exercise & text books, revision books. Rag rate topics you need to cover: red, amber, green. Begin with red topics Create a 3 week revision plan x2 45 mins Mon-Thurs, x5 45 mins weekend Read through overview sheets to familiarise yourself withi the information you need to know. Identify any knowledge you have missing and get hold of the notes
Make	What should I do?	 Make resources to revise from: mind maps, flash cards, crib sheets, knowledge organisers, summary sheets etc. Use mnemonics to help you to remember information. Write "perfect" exam answers using your notes.
Revise	What should I do? 40%	 Retrieval practice: bring the information to mind. Read the revision notes you've made. Cover them, write down key information, check what you missed out. Do this several times. Ask yourself questions while you are studying about how things work and why. Make links to other topics/knowledge. Use your flashcards: say the answer or write it down BEFORE turning the flashcard over. Go through each pack of flashcards 3 times getting them all right, on three different occasions/days. Complete quizzes, revision clocks, label diagrams. Green pen wrong answers. Revisit your flashcards testing the green pen knowledge you didn't know. Revisit topics again on a different day, to help make the knowledge stick. Work with friends, test each other.
Test	What should I do?	• Complete quizzes/short exam questions within 24 hours of revising a topic.
	30%	 Complete longer exam questions within 48-72 hours of revising a topic. Work in silence, no books open, timed conditions

Revision Audit

Name:

		Stage	How do you currently revise?	Yes	No	How could I revise more effectively?
		Plan	I plan revision in a timetable so it's spaced over several days or weeks			
		revision	I revise in slots of no more than 45 minutes			
		Gather	My notes in my exercise books are up to-date, I copy up work if I miss a lesson.			
		what you	I have a copy of the exam board revision books for all my subjects			
		need	I know where to find the knowledge organisers & content checklists for each unit on the W Drive. I			
			also know where to find quizzes/revision resources for each of my subjects on the W Drive and online.			
			I rag rate the content I need to revise; red amber green and I begin with 'red'.			
			I know the exam boards for my subjects and where to find past papers and mark schemes			
			I have a paper or plastic revision folder for each subject, paper to write on, blank flashcards,			
			highlighters and post it notes			
			I have a blank planner/timetable I use to map out revision sessions			
		Make	I file flashcards I have made in my subject revision folder to reuse			
		revision	I have an account with Quizlet or AnkiApp where I keep online flashcards			
	7	resources	I make and keep revision notes/mind maps in my subject revision folder			
\checkmark			I make my own knowledge organisers and 'perfect' model answers for exam questions.			
À		Revise	I read my revision notes, cover them up, then write down the key information on blank paper. I check			
		content	what I missed out and add it in green pen.			
[_		I ask myself questions whilst studying; how things work and why. I make links to other topics and			
			knowledge, and look up things or ask my teachers if I'm not sure.			
			I complete quizzes, revision clocks, & label diagrams. I green pen wrong answers			
			I revise with flashcards. I say the answer or write it down BEFORE turning the flashcard over. I go			
			through each pack of flashcards 3 times getting them all right, on three different occasions/days.			
		_	I re revise topics again on a different day, to help to make the knowledge stick.			
		Test	I complete quizzes/short exam questions within 24 hours of revising a topic.			
		yourself	I complete longer exam questions within 48-72 hours of revising a topic.			
			I work in silence, no books open, timed conditions			



Free apps to support revision



Learn more, faster.

AnkiApp is a cross-platform mobile and desktop flashcard app.

Study flashcards in your downtime. Make flashcards with text, sound, and images, or download pre-made ones. Studying is super efficient, thanks to the powerful AnkiApp Advanced Spaced Repetition[™] (SRS) algorithm. AnkiApp automatically performs backups and syncs to all your devices, via the cloud.





Google Play





Flora is a new way to stay off your phone, clear to-do lists, and build positive, life-changing habits. Whenever you want to make progress toward your goals, grow trees in Flora!

Get on App Store

Get on Google Play

O Chrome Extension

-├ SENECA Home Courses Assignments Your courses Add courses Q Search for a course... Filters 🗄 Clear all (1) Price • ~ Free \times Free (652) 11+ Comprehension 11+ Maths



GCSEPod

https://www.gcsepod.com

GCSEPod: GCSE Learning and Revision

GCSEPod is proven to help students achieve one grade higher on average than non-users, across 30+ GCSE subjects and all exam boards. Providing the highest- ...

The school has paid for Y11 membership so you can join GCSEpod. There is also an app for android users. Apple phone users will need to use the website on a device.

> www.gcsepod.com, click 'Login', then 'New Here? Get Started'.

Go to the app store on your mobile device and search for GCSEPod – it's free to download!

Use your booklet to choose your courses and exam boards

App overview

Once logged into the app, use the menu to navigate and access the different sections.

Dashboard

Shows an overview of upcoming GCSE exams, assignment deadlines and your playlists. Quickly navigate to key areas of the app with ease.

My Courses

Choose a subject area to view a list of upcoming exams relevant to your school. Select to view a playfist containing all the pods relevant to that exam.

Pods

Browse pods by subject and topic area. Once you've chosen a topic, watch the Pods online, star your favourites or download the whole playfist for offline viewing.

Playlists

Watch the playlists you've created on the GCSEPod website and access a quick link back to the website where you can create and edit your playlists.



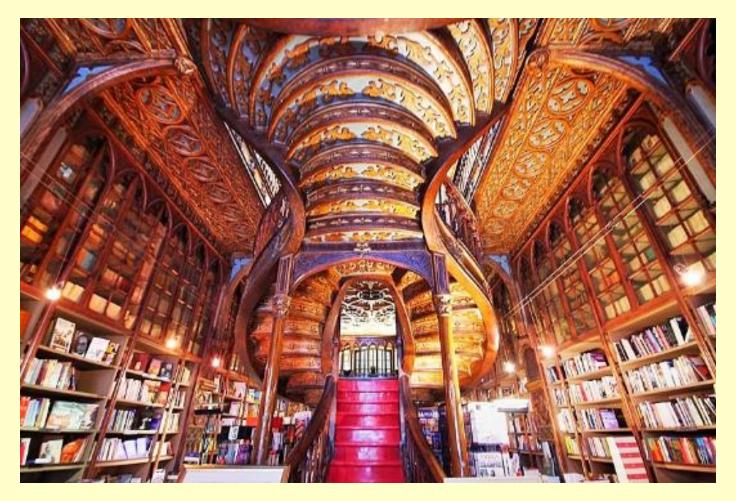
LOGIN

The Importance of the Core Subjects

- Offer at least 5 GCSEs between them
- Grade 4 requirement
- College and Sixth Form requirements
 - General entry
 - Specific subjects
- Beyond this....

ENGLISH

How we can all help



The road to Christmas and to the summer...

- What we're doing in the Christmas mocks
- The revision plan for the mocks
- How the mocks fit into the real exams next summer
- Revision resources that are available
- Ways you can support your child's revision

• We use the AQA exam board for English:



- English Language and English Literature
- Two exams for each qualification. So...

ENGLISH LANGUAGE

ENGLISH LITERATURE

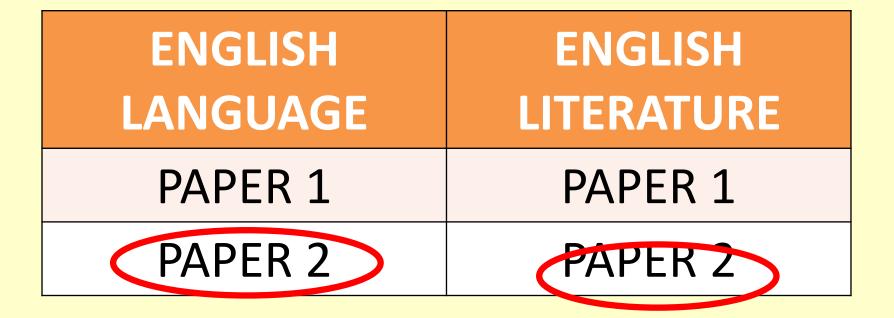
- English Language and English Literature
- Two exams for each qualification. So...

ENGLISH	ENGLISH
LANGUAGE	LITERATURE
PAPER 1	PAPER 1

- English Language and English Literature
- Two exams for each qualification. So...

ENGLISH LANGUAGE	ENGLISH LITERATURE
PAPER 1	PAPER 1
PAPER 2	PAPER 2

In the Christmas mocks



English Language Paper 2

- Two sections: Section A on reading, Section B on writing.
- All about writers' viewpoints.
- Section A.
- They read two non-fiction texts which express viewpoints about the same subject matter. One of them is modern, one of them is from the 19th century.
- They answer four questions which get increasingly more demanding on those two non-fiction texts.
- Section B:
- They write from their own viewpoint in response to a statement given to them.

English Literature Paper 2

Section A: Lord of the Flies

A choice of two questions on either a character or an important theme.

Section B: Anthology Poetry

A single question comparing two of the poems in the anthology they've studied.

Section C: Unseen Poetry

Questions on two poems they wouldn't have seen before.

Revision plan

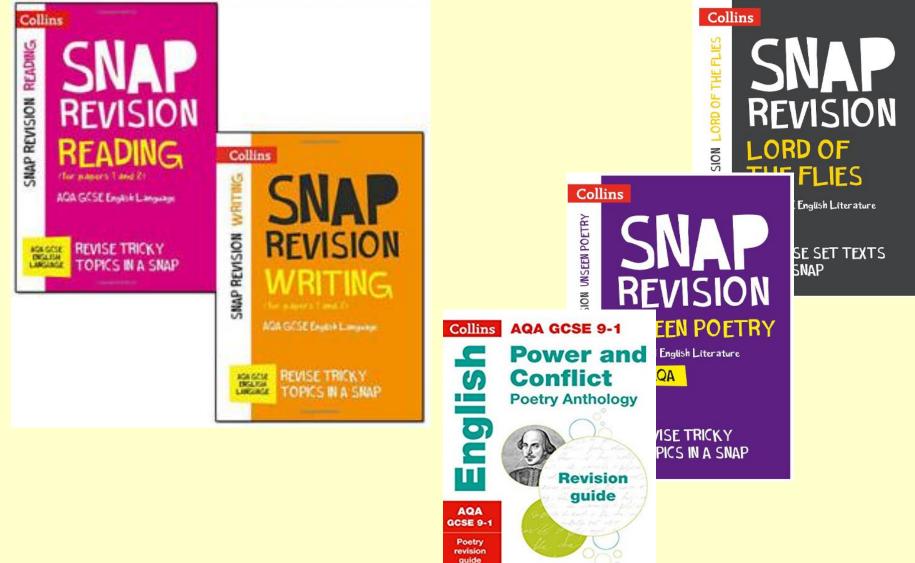
- 4 week revision plan for English starting this week.
- Feature revision homeworks for English Language AND English Literature – two separate GCSEs

Next steps immediately after the Christmas mocks

- Feedback and improvement work on their Christmas mocks.
- A longer revision plan put together for the time leading up to the mocks.
- Revision homeworks Snap Revision Guides.
- Pupils will have another go at English Language Paper 2 towards the end of next term.

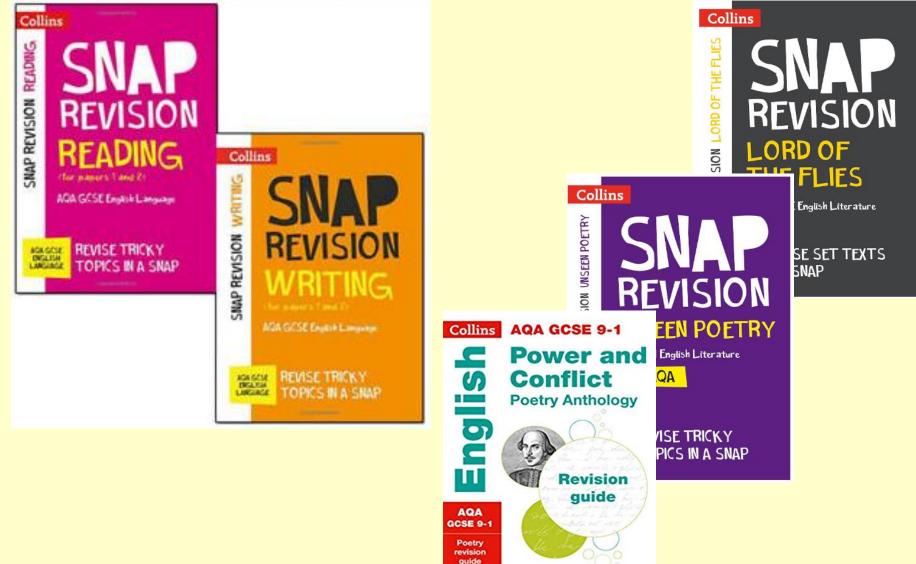
Support for pupils

The school are buying in guides for all of Year 11



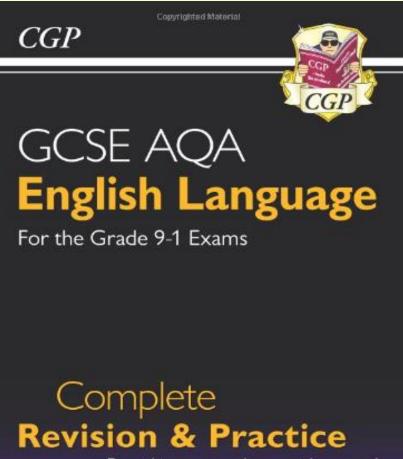
Support for pupils

Linked to revision schedule and to <u>homeworks</u>



Revision Guides

That doesn't mean you can't buy your own...



Everything you need to pass the exams!

GCSE English Lord of the Flies **The Text Guide**

Includes Free Online Edition & Digital Quizzes

Includes Free Online Edition

Copyrighted Material

And then the rest of the year...

Up to Christmas:

- Walking Talking Mocks/revision lessons for English Language Paper 2
- Revision on Lord of the Flies and Poetry for English Literature Paper 2
- The mocks themselves

After Christmas:

- Feedback and pupil improvements on mocks
- Finishing off our poetry teaching; revision of Lord of the Flies
- February: English Language Paper 1 mock #2 (can they improve upon their summer result...?)
- March: English Literature Paper 1 mock (Macbeth and The Sign of Four)
- After school revision sessions

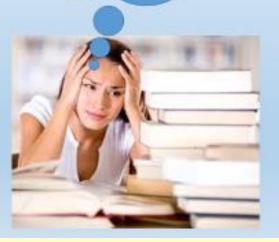
How you can support your child in English

Myth-Busting!

You can't revise for English: especially English Language. It's unseen. I'm just going to wing it.



I'm never going to know it. I can't remember anything no matter how many times I've learned it.



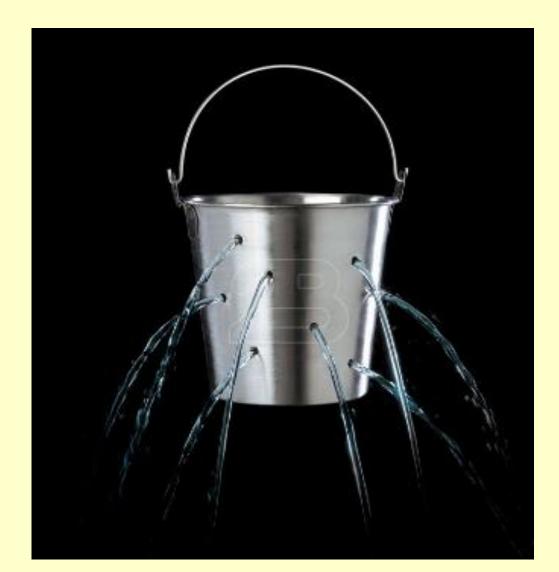
I'm really tired. I'll just do it tomorrow.



Kids aren't like this...



They're like this...



Easy revision tips

English Language Paper 2:

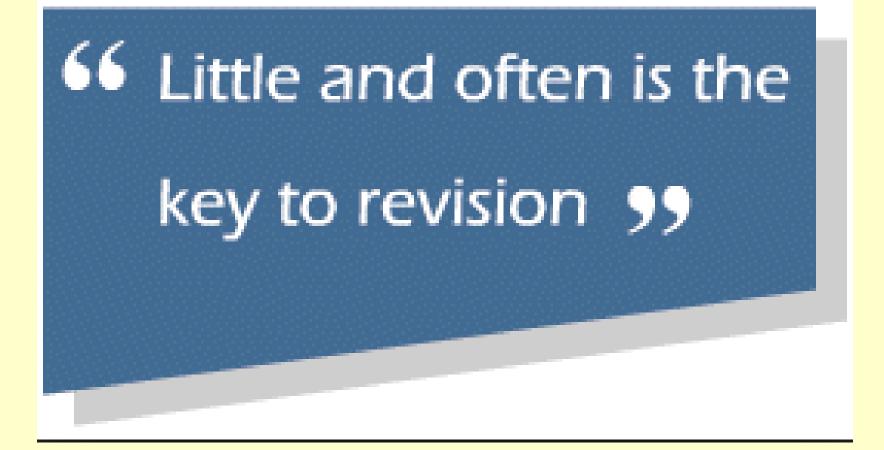
English Literature Paper 2

- Make a scrap book of extracts from a variety of non-fiction texts that express a viewpoint. What are the viewpoints in each of them?
- Practise writing in a style and form that matches one of the extracts in your scrapbook.

- Make a bookmark with top 10 quotes
- Summarise the plot or themes in ten sentences/ten words
- What would the characters in the text put on their Instagram feed?

How you can help: Five Quick Fixes

- 1. Get them to re-read their Literature texts; ask them to explain the texts to you.
- 2. Get them to read newspaper or magazine articles that express a viewpoint; ask them to discuss those viewpoints with you.
- 3. Get them to explain to you what they *think* is in their exams...
- 4. Get them talking about what they've done in English. Or what they don't understand. Or like. Ask them: why?
- 5. Get them to switch auto-correct off on their phones, tablets and laptops...



After tonight...

- Parents' workshop: the reality of what's in their exams...
- Any questions: jjones@klbschool.org.uk

You can also follow us on



Just search *KLBEnglishDepartment* or follow the links on the school's website

GCSE MATHEMATICS

- Sophie Coughlan: <u>scoughlan@klbschool.org.uk</u>
- Syllabus: EdExcel/Pearson

EXAM STRUCTURE

In the summer:

3 papers: 90 minutes each.

Paper 1: Non-calculator

Papers 2 and 3: Calculator

In December:

2 papers: 90 minutes each.

One non-calculator and one with a calculator

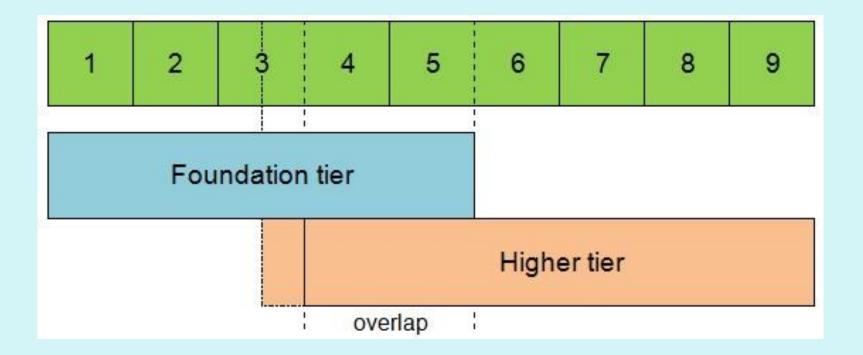


CONTENT (FOR THE SUMMER)

Tier	Topic area	Weighting
Foundation	Number	22 - 28%
	Algebra	17 - 23%
	Ratio, Proportion and Rates of change	22 - 28%
	Geometry and Measures	12 - 18%
	Statistics & Probability	12 - 18%
	Number	12 - 18%
	Algebra	27 - 33%
Higher	Ratio, Proportion and Rates of change	17 - 23%
	Geometry and Measures	17 - 23%
	Statistics & Probability	12 - 18%

Anything could appear in any paper (in the summer).

TIER OF ENTRY



GRADE BOUNDARIES 2023

	Higher	Foundation
9	85%	
8	73%	
7	60%	
6	47%	
5	33%	76%
4	20%	61%
3	13%	41%
2		30%
1		14%

GRADE BOUNDARIES 2023

	Higher	Foundation
9	85%	
8	73%	
7	60%	
6	47%	
5	33%	76%
4	20%	61%
3	13%	41%
2		30%
1		14%

GRADE BOUNDARIES 2023

	Higher	Foundation
9	85%	
8	73%	
7	60%	
6	47%	
5	33%	76%
4	20%	61%
3	13%	41%
2		30%
1		14%

"Being good at mathematics is not about how many answers you know... it's about how you behave when you don't know"

MATHS AND MINDSET

I cannot do it yet

Getting it wrong is part of the learning process

Students don't necessarily have to be able to do everything

WHAT MATHS REVISION SHOULD LOOK LIKE

Flashcards are suitable for learning facts and formulae, for example:

- Volume/area/parts of a circle
- Speed and density
- Trigonometry
- Angle facts and reasons; circle theorems (higher tier only)
- Set notation
- Quadratic formula (higher tier only)

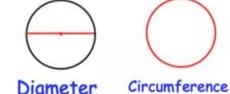
FROM REVISION PLAN:

Tangent

• Make a set of flash cards for the parts of a circle and for area/perimeter formulae below, or at least for any that you do not already know.







Radius





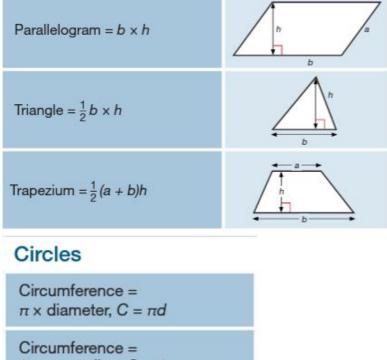




Segment



Area formulae:



 $2 \times \pi \times radius, C = 2\pi r$

Area of a circle = π x radius squared $A = \pi r^2$

WHAT MATHS REVISION SHOULD LOOK LIKE

Students should spend most of their time doing *maths*.

Watch videos to explain weaker topics, making notes as appropriate.

After watching a video, students should try some questions **and check their answers**.

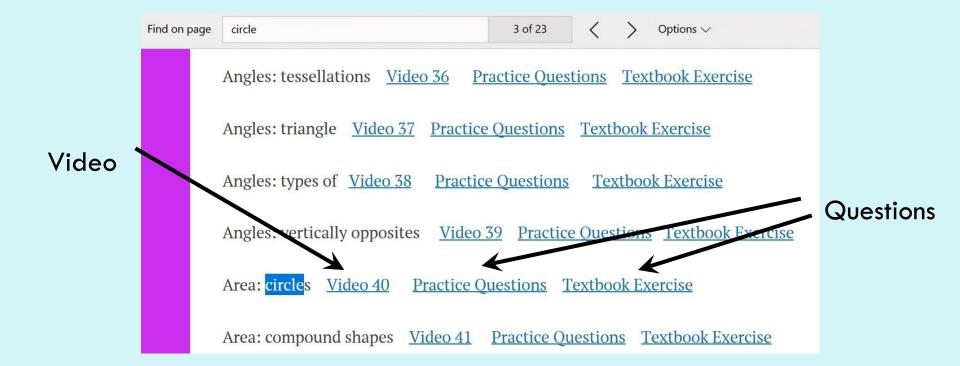
CORBETT MATHS

Go to https://corbettmaths.com/contents/

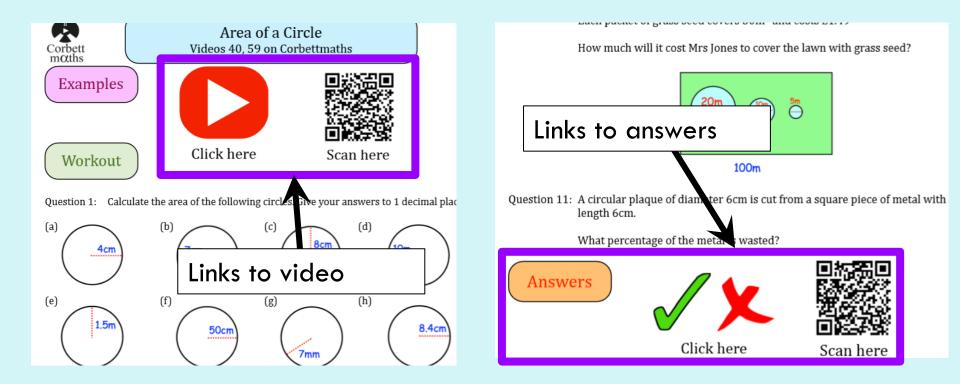
Topics are listed in alphabetical order



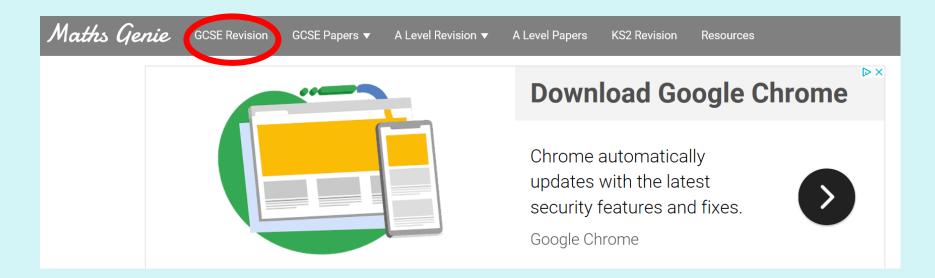
CORBETT MATHS



CORBETT MATHS - ANSWERS



MATHSGENIE



FROM REVISION PLAN:

• Watch a video to re-cap the topic.

If you are **not** confident on basic area and circumference questions then watch this video: <u>https://www.youtube.com/watch?v=X3ZyTM78ygk</u>

If you are already confident with area and circumference of circles watch these two videos: <u>Key Skill - Find the area of a simple fraction of a circle. - YouTube</u> <u>Key Skill - Find the perimeter of a simple fraction of a circle. - YouTube</u> <u>Key Skill - Find the radius of a circle given its area. - YouTube</u>

- Try some questions here: <u>3-circles-area-and-circumference-ws.pdf (mathsgenie.co.uk)</u> If you are feeling confident start from Q7.
- Check your solutions here: <u>3-circles-area-and-circumferenceans.pdf (mathsgenie.co.uk)</u>

USING ANSWERS

It is important that students use answers sensibly.

Looking up answers is not (necessarily) cheating!

It is not helpful if students are practising an incorrect method.

USING PAPERS

Past papers are really important for preparing students for what to expect in the exams.

They are also good for getting them used to moving between topics.

Important students do not just do the questions that they can do easily anyway – they should be using them **diagnostically.**

WHAT DO WE MEAN BY EXAM TECHNIQUE?

Read the question properly

Show all your working, on the calculator paper, **at** least what you type into your calculator.

Have you answered the question? Does your answer seem a sensible size? Do you need to include units?

At end: go back through and re-do calculations if time.

If stuck: Would algebra help? Would a diagram help?

Try something. Can you do the first step? First mark can be surprisingly easy.

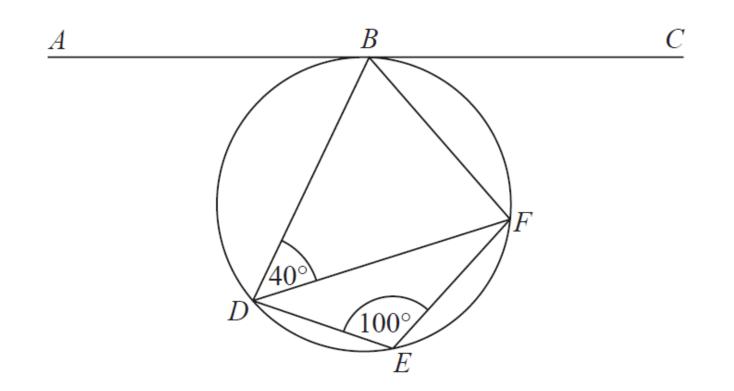
A delivery company has a total of 160 cars and vans.

the number of cars : the number of vans = 3 : 7

Each car and each van uses electricity or diesel or petrol.

 $\frac{1}{8}$ of the cars use electricity. 25% of the cars use diesel. The rest of the cars use petrol.

Work out the number of cars that use petrol. You must show all your working.

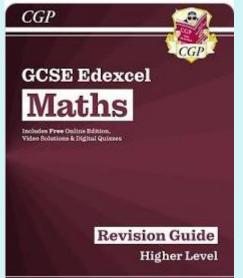


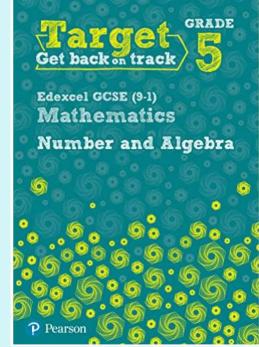
Points B, D, E and F lie on a circle. ABC is the tangent to the circle at B.

Find the size of angle *ABD*. You must give a reason for each stage of your working.

RESOURCES

- Other websites: DrFrost, MathsPad, OakAcademy, include
 'GCSE' if searching for a video on YouTube.
- Higher/Foundation revision guides and 'target' workbooks aimed at grades 3, 5, 7, 9 are available to buy form school.
- Drop-in on Thursdays after school in M2







Science

Combined Science: AQA Trilogy Separate Sciences: AQA Biology, Chemistry, Physics

> Richard Shaw rshaw@klbschool.org.uk

Science GCSEs summer 2023

- Combined Science
 - 2 GCSE Grades
 - AQA Trilogy Course
 - Summer 6 x 1hr 15 exams
 - Bio 1 Bio 2 Chem 1 Chem 2 Phys 1 Phys 2
- Separate Science
 - 3 GCSE Subjects
 - 3 independent grades
 - Top two sets
 - Summer 2 x 1hr 45 exams for each of Bio, Chem, Phys



GCSEs --> Mocks

- Multiple choice, structured, closed short answer, open response questions.
- Subject content
 - Bio, Chem, Phys knowledge
 - Recall of knowledge
 40%
 - Application of knowledge 40%
 - Analyse and interpret information 20%



GCSEs --> Mocks

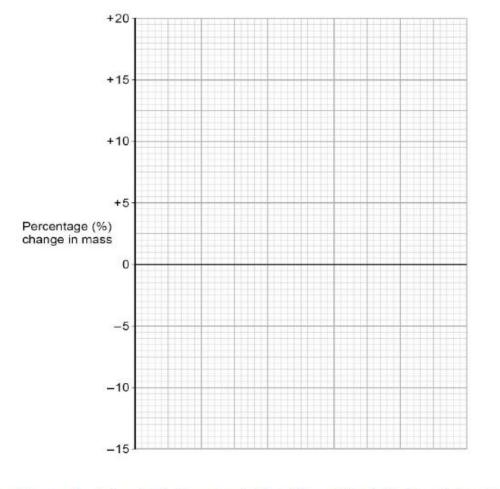
- Multiple choice, structured, closed short answer, open response questions.
- Subject content
 - Bio, Chem, Phys knowledge
 - Recall of knowledge * 40%
 - Application of knowledge * 40%
 - Analyse and interpret information * 20%
- Science skills & required practicals *



Questions on required practicals



- (c) Complete the graph using data from the table above.
 - Choose a suitable scale and label for the x-axis.
 - Plot the percentage (%) change in mass.
 - Draw a line of best fit.



(4)

(1)

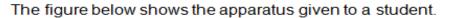
(d) Use your graph to estimate the concentration of the solution inside the potato cells.

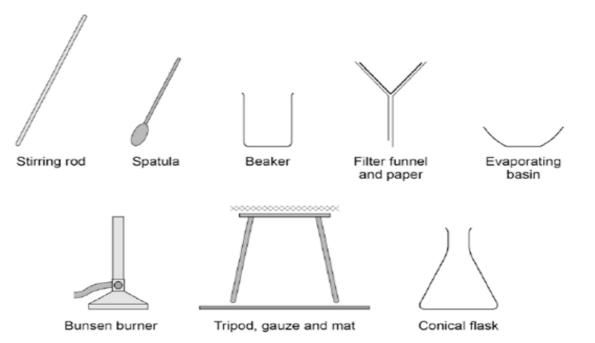
Concentration = _____ mol dm⁻³

(e) The results in the table above show the percentage change in mass of the potato cylinders.



4. This question is about making copper salts.





Outline a safe plan the student could use to make pure, dry, crystals of the soluble salt copper sulfate from the insoluble metal oxide and dilute acid.



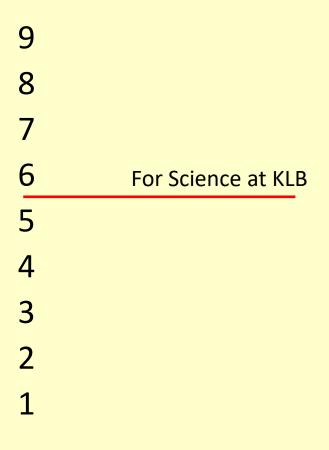
Science Mocks

e d	Paper 1 1 hr (roughly 60 marks)	Paper 2 1 hr (roughly 60 marks)
combin Scienc		
0		

	Biology	Chemistry	Physics	
Separate Science				



Summer Science Grading



- Separate Sciences
- Biology total mark
 - B1 exam mark
 - B2 exam mark
- Same for Chemistry and Physics
- Example result
 - Biology 7
 - Chemistry 6
 - Physics 8



• Science Double GCSE

9

8

7

6

5

4

3

2

1

- Combined Science
- Total mark added from
 - B1 exam mark
 - B2 exam mark
 - C1 exam mark
 - C2 exam mark
 - P1 exam mark
 - P2 exam mark



- Science Double Grading
- 99
- 88
- 77
- 66
- 55
- 44

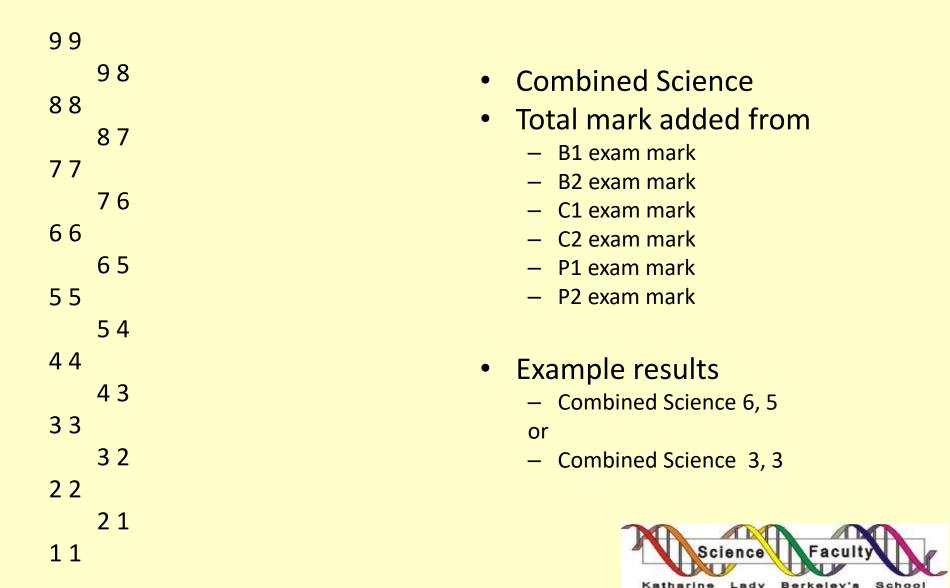
- 33
- 22
- 11

- Combined Science
- Total mark added from
 - B1 exam mark
 - B2 exam mark
 - C1 exam mark
 - C2 exam mark
 - P1 exam mark
 - P2 exam mark



99	
0 0	 Combined Science
88	 Total mark added from
77	 B1 exam mark
	 B2 exam mark
66	 C1 exam mark
	 C2 exam mark
5 5	 P1 exam mark
	 P2 exam mark
4 4	

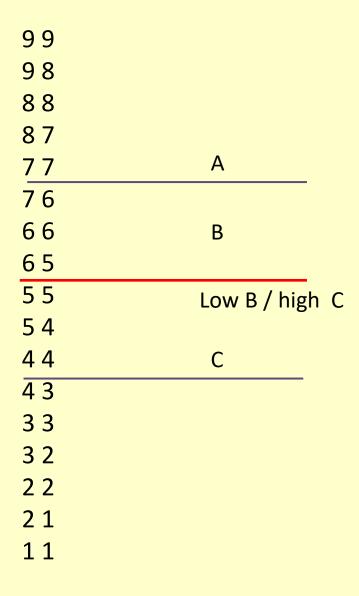




Why does this matter now?

- Future planning:
- Science A Level KLB entrance criteria:

6,5 for Combined to do any A-Level





Science Tier of entry

				A Llighow Coundation tion
	99	Higher tier		 Higher Foundation tier
	98			 Vital to get this right
	88			 Science it is much easier
	87			
	77			to get a 5 5 or 4 4
	76			on the Foundation paper
	66			
	65			—
	55		Foundation	 Tier for summer vs tier for
	54		Tier	mocks
	44			
_	43			
	33			 A-Level must do higher
	32			tier (6 5)
	22			
	21			
	11			Science Faculty

Kat

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Berkeley's

School

- Mocks will help inform tier decision for the summer (hints of 6)
- Revision effort allows for an informed discussion

- Informed position:
 - Did my revision techniques work?
 - Where are my strengths and weaknesses?
 - Analysis of revised topics vs non-revised



Mock revision planning

• Revision plan



Week Starts	Biology		Chemistry		Physics	
8 th Nov	Biology Paper 1 Photosynthesis (50-51) RP: Photosynthesis	~	Chemistry Paper 2 Atomic Structure (96 and 105)	~		~
15 th Nov			Chemistry Paper 2 Covalent bonds, simple molecules and giant covalent structures (116- 119)		Physics Paper 1 Energy transfers & stores (167-168). Kinetic & potential energy (169) Power (172) Wasted energy & efficiency (173-174)	
22 nd Nov			Chemistry Paper 1 Rate of reactions (138-143) RP: Measuring rates of reaction x2			
29 th Nov	Biology Paper 2 Circulatory System (30-32) Cardiovascular disease (33, 34)				Physics Paper 2 Springs and elasticity (206-207) RP: Springs/Hooke's Law	
28 th Nov	Re-cap the required practical		Re-cap the required practical		Re-cap the required practical	
4 th Dec	Mock fortnight Begins: Paper 1 (1 hour) Paper 2 (1 hour)					

Biology		Chemistry		Physics	
	×		 Image: A second s		×
Cells (11) Cell Differentiation and Specialisation (14) Microscopy (12-13) Chromosomes and Mitosis (15) Stem Cells (16) Diffusion (17)		Atoms, Elements, Compounds (96-98) Chemical Equations (99) The History of the Atom (103) Electronic Structure (104) Ions, Ionic bonding, Ionic Compounds (112-114)		Circuit symbols Electrical resistance, (179- 182) RP: Electrical resistance	
Cell Organisation (24) Investigating Enzymes, Enzymes & Digestion, Food Tests (25-29) RP: Enzymes RP: Food Tests		Covalent Bonding, Simple Molecular Substances, Polymers and Giant Covalent Structures, Allotropes of Carbon (115-118) Metallic Bonding (119)		I-V characteristics, series and parallel circuits (182 - 185) RP I-V characteristics	
The Lungs (30) The Circulatory System (31-33) Cardiovascular Disease (34-35)		Acids and Bases, Strong Acids and Weak Acids, Reactions of Acids (129-131) RP: Making Salts		Domestic electricity and the national grid (186-189)	
Photosynthesis (50-53) Respiration (54-55) Exercise (56) RP: Photosynthesis		Reactivity Series (132) Separating Metals from Metal Oxides (133) Redox Reactions (134)		Background radiation, alpha, beta and gamma radiations (195-197) Halflife, uses and dangers (198-199)	

Science Support resources

- Revision plan (with revision guide pages)
- Weekly Exam Question work

- Quizlet sets
- Focus-elearning website for required pracs.



Focus on Science Katharine Lady Berkeley's School **Biology GCSE Required Practicals** ☆ Copy a QR or bookmark for Log out 🄿 Return to Main Menu 🧲 this page to the clipboard + expand all - collapse all Introduction Search this resource Search keywords. Search Photosynthesis ٠ AQA \rightarrow Microscopy Microbiology Osmosis in potato chips Effect of pH on enzymes Food tests \rightarrow Photosynthesis Reaction time Field work Decay of milk 10 зο 50 20 e'n 80 90 Plant responses to light Drag on the ruler to move the light **Combined science** Edexcel 00:00 Combined science M Ш min : s OCR WJEC (eduqas) Experiment Method Results Analysis WJEC This experiment investigates how light intensity affect photosynthesis. Pond weed is placed in a test tube containing 0.2% sodium hydrogen carbonate solution. 0.2% NaHCO3 This acts as a source of CO₂ solution When a strong light is shown on the pondweed, photosynthesis produces small bubbles of oxygen gas. The rate of photosynthesis is found by counting the number of bubbles formed

in 1 minute.

The light intensity is varied by changing the position of the lamp

Support resources

- Revision plan & Weekly Exam questions
- Quizlet sets
- Focus: e-learning website for required practicals
- You Tube videos of required practicals
- Monday & Tuesday Lunchtime drop in S2
- Practice question bank
- All put on Classcharts weekly!



And finally.....

- Weekend: link to all resources will be emailed
- Presentation on Year 11 Parents' Page of website
- Monthly newsletter
- GCSE Pod and Quizlet
- Success Lounge: Monday Thursday 2.50 4.30pm
- Jan 2024 →
 - Reports and Parents' Evening
 - Revision techniques focus sessions
 - Parents' GCSE revision session (interactive!)
 - Students' GCSE revision session
- Supporting students together

Thank you!