Welcome to Y11 Preparing for Success Evening

Mr Avoth - Principal

Mrs Deane- Assistant Principal

THE BOURNE ACADEMY

Ambitious **S**elf-confident **P**hysically literate **I**ndependent learners **R**esilient **E**motionally literate

Aims:

- Provide key information and dates.
- Provide guidance on how to support your child in the lead up to exams.
- Give advice on key revision techniques students can use to support with revision.
- Provide materials to support revision.

THE BOURNE ACADEMY

Key Dates

- Mocks for core subjects w/c 2nd March for two weeks.
  - English Language
  - English Literature
  - Maths
  - Science
- GCSE examinations begin w/c 11th May, however, there are practical exams and some BTEC exams which take place earlier.

Exam Expectations

To ensure that we adhere to strict exam regulations the following must be observed by all students taking assessments:

- Watches must be removed and are not permitted in the exam hall unless placed on the desk in front of them.
- Under no circumstances are phones allowed in the exam hall.
- Students must take their equipment into the exam in a clear pencil case.
- Students may take a bottle of water into the exam, but the bottle must be clear with no labels on it.

If students do not adhere to these regulations, this can put both their exam results and other students exam results in jeopardy with all assessments linked to that exam board. The school has a duty to inform the exam board if any of these are not adhered to.

Students are required to provide their own equipment for the exam: 2 x black biros, sharp pencil, sharpener, eraser, ruler, scientific calculator, protractor, compass.

Preparing for Success

Additional Support for students

- Weekend and holiday revision sessions
- Revision room
- Independent revision resources
- Targeted tutor time support
- Additional learning and study club
- Walking talking mocks for Maths and English
- Workshops on how to write an effective revision timetable and effective revision techniques.
- Mentoring

How can students prepare for success in their core subjects?

Practising

~~Revising~~ for the Mathematics Exam

Q1 Write down the value of 2^{-3}

.....

(1)

Q1 Write down the value of 2^{-3}

.....

(1)

Q1b Write down the value of 3^{-3}

.....

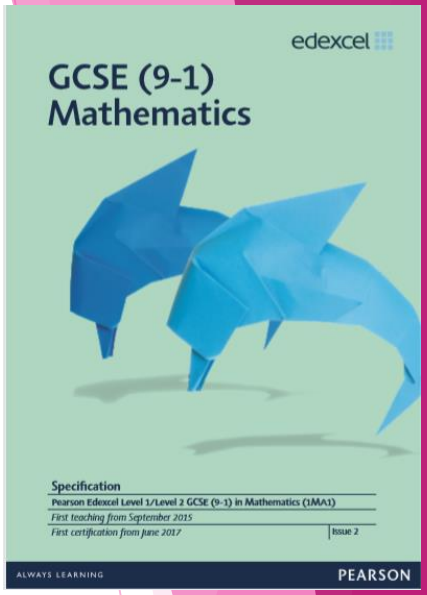
(1)

Q1c Write down the value of 2^{-4}

.....

(1)

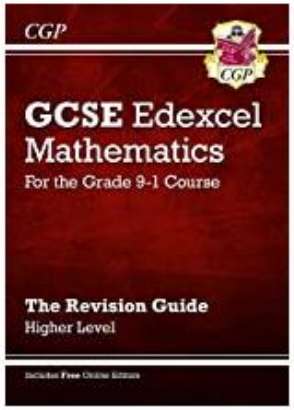
The exams: Edexcel



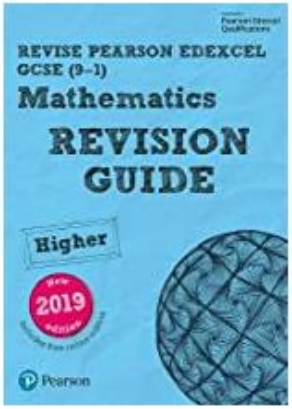
Paper	Date	% of GCSE grade
Paper 1 Non-Calculator – Foundation/Higher	19.05.20 (AM)	33.33…%
Paper 2 Calculator – Foundation/Higher	04.06.20 (AM)	33.33…%
Paper 3 Calculator – Foundation/Higher	08.06.20 (AM)	33.33…%

Exam Content:

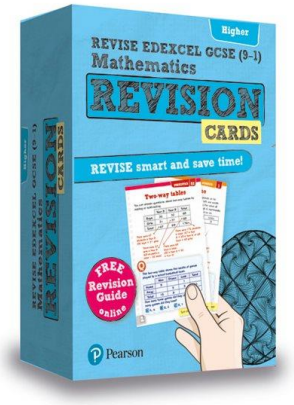
Foundation	Number 22 - 28%, Algebra 17 - 23%, Ratio, Proportion and Rates of change 22 - 28% Geometry and Measures 12 - 18% Statistics & Probability 12 - 18%
Higher	Number 12 - 18% Algebra 27 - 33% Ratio, Proportion and Rates of change 17 - 23% Geometry and Measures 17 - 23% Statistics & Probability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

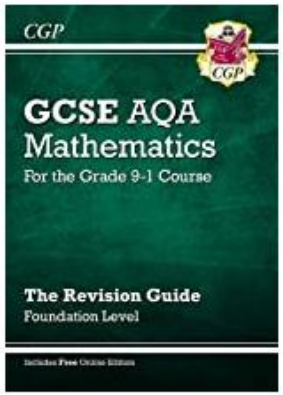


GCSE Maths Edexcel Revision Guide: Higher - for the Grade 9-1 Course (with Online Edition) (CGP GCSE Maths 9-1 Revision)

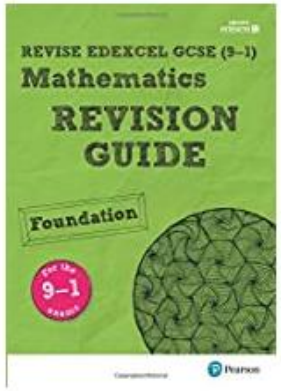


REVISE Edexcel GCSE (9-1) Mathematics Higher Revision Guide: with FREE online edition

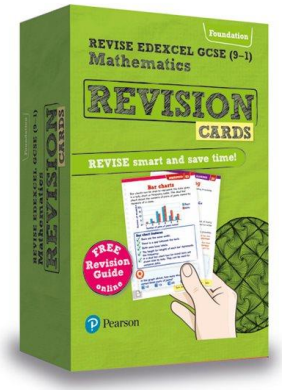




GCSE Maths Edexcel Revision Guide: Foundation - for the Grade 9-1 Course (with Online Edition) (CGP GCSE Maths 9-1 Revision)



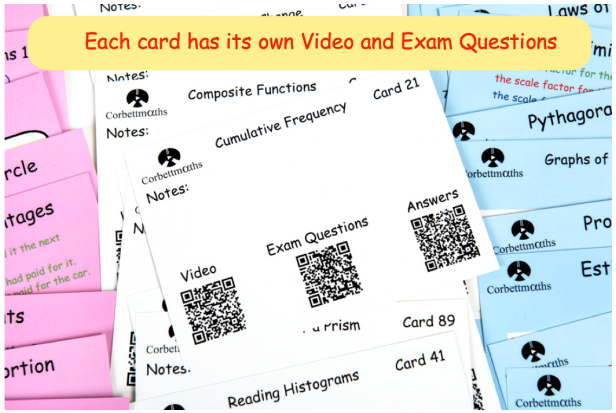
REVISE Edexcel GCSE (9-1) Mathematics Foundation Revision Guide: with FREE online edition (REVISE Edexcel GCSE Maths 2015)

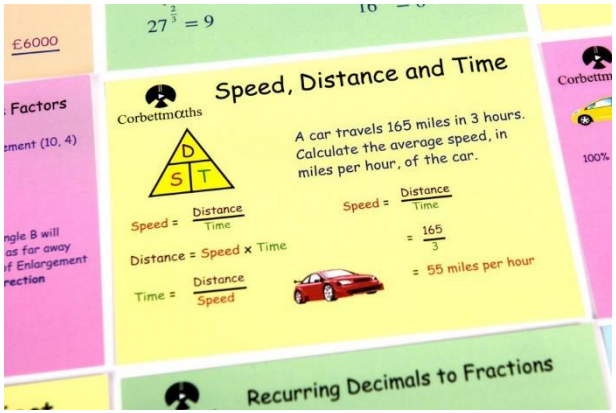


EDEXCEL resources Higher and Foundation revision guides and practice workbooks

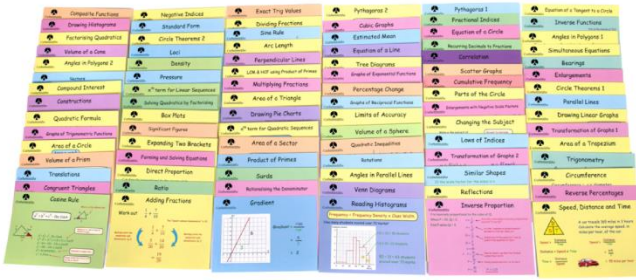
WH Smiths
Amazon.com
Waterstones

Each card has its own Video and Exam Questions

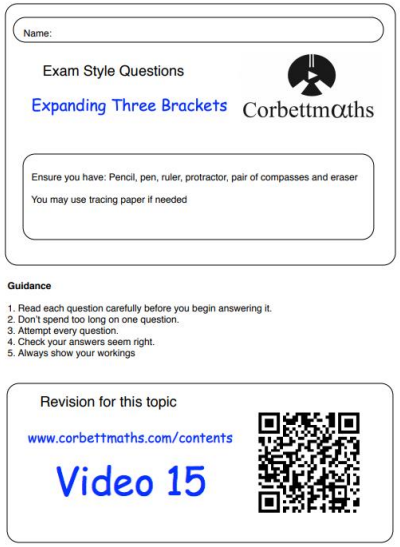




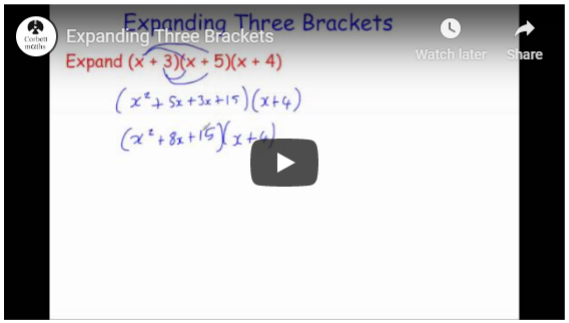
90 Engaging revision cards for the New GCSE



Welcome | Videos and Worksheets | Primary | 5-a-day | More | Revision Cards

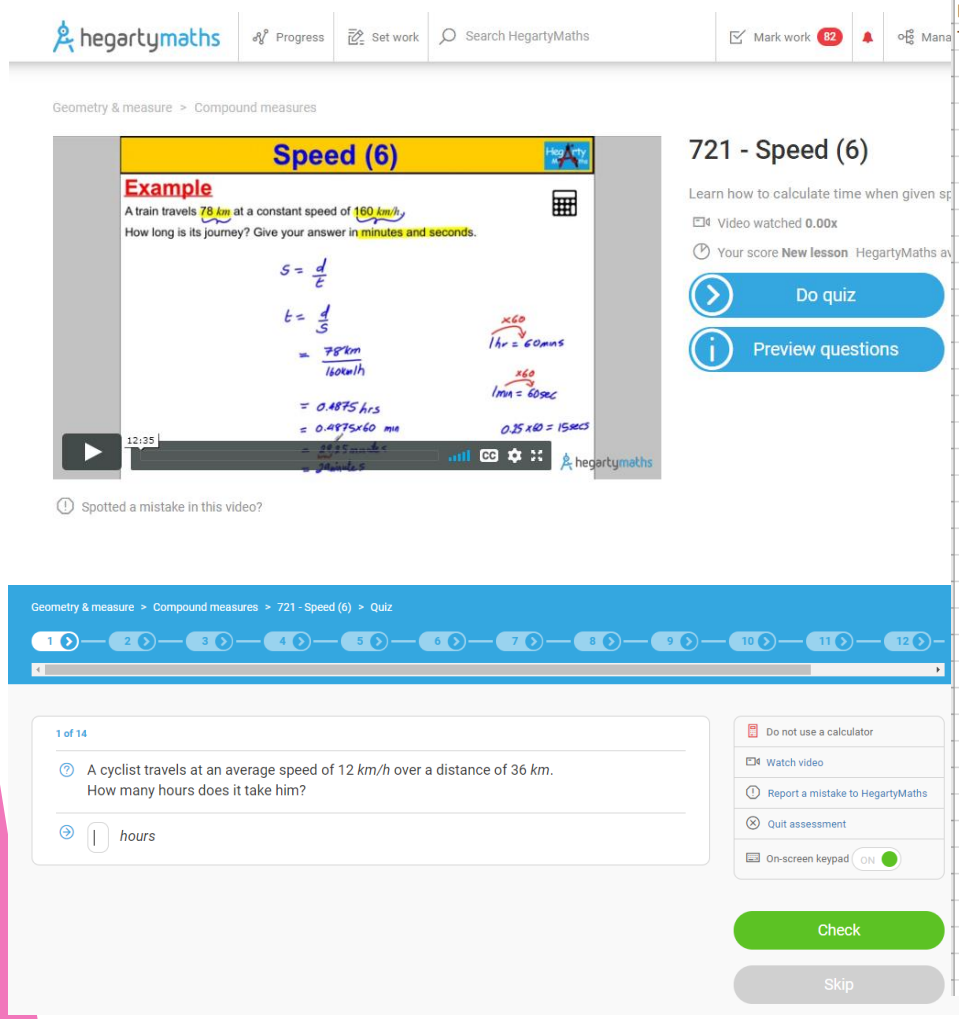


Expanding Three Brackets Video



Available for Higher or Foundation Tier

www.corbettmaths.com



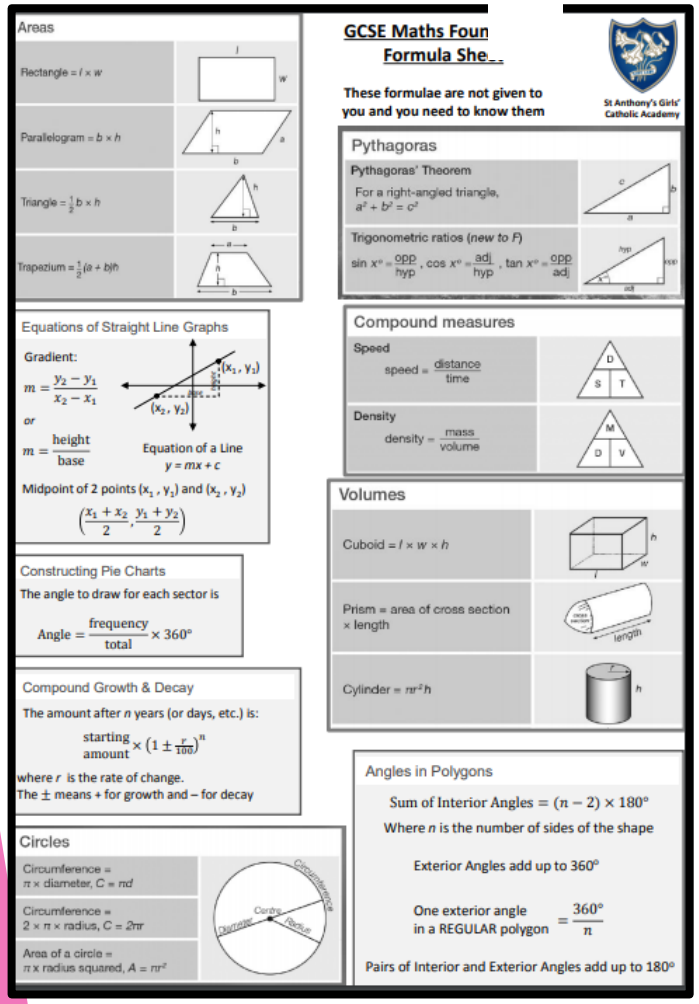
Mathematics Assessment Feedback

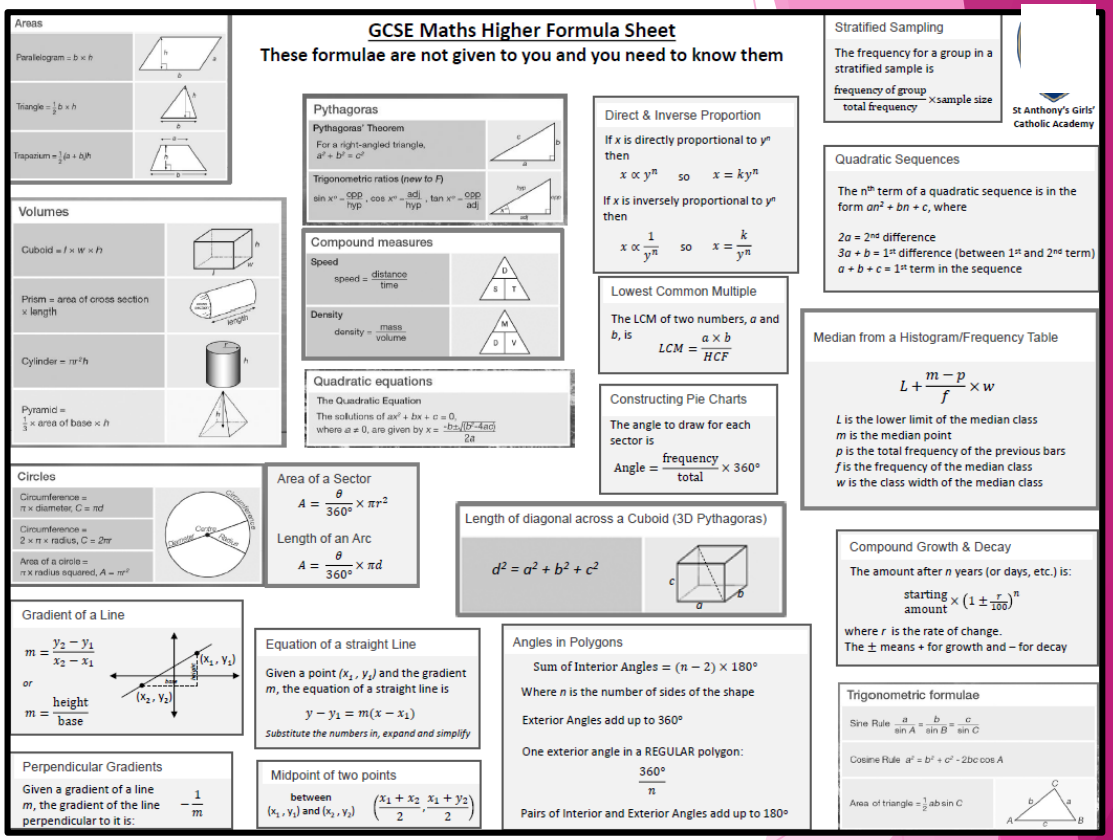
Paper	May 2019 Paper 1H
Name	Test Student
Teacher	Enter Teacher Name

Questions	Question Title	Score			Clip Number
1a	Mutually exclusive events	1	/	2	354
1b	Mutually exclusive events	2	/	2	354
2a	Recipe problems	3	/	3	739
2b	Recipe problems	1	/	2	739
3	Highest common factor	2	/	2	31
4	Plans and elevations	2	/	2	841, 842
5	Reflect a shape, describe a translation	2	/	3	639, 650
6	Share in a given ratio	0	/	4	332
7	Perimeter and area of a rectangle	3	/	4	550, 554
8a	Estimate complex calculations	2	/	2	131
8b	Index form, round to significant figures	0	/	1	102, 130
8c	Index form (power of negative integers)	1	/	1	104
9	Multiplying mixed numbers	1	/	3	69
10	Solving simultaneous equations using straight lines	1	/	2	219
11a	Calculate median and upper and lower quartiles	1	/	2	409, 411
11b	Compare medians and quartiles	1	/	1	409, 411
11c	Compare quartiles	1	/	1	411
12	Ratio, percentage and fraction problem solving	1	/	3	328, 330
13	Direct algebraic proof	0	/	2	325, 327
14	Non-calculator trigonometry	1	/	2	306, 845
15	Volume of compound shapes	1	/	4	582
16a	Product rule for counting	0	/	2	671
16b	Systematic listing, product rule for counting	0	/	2	670, 671
17	Write ratios as fractions, solve quadratic equations	0	/	4	330, 233, 244
18a	Simplifying surds	2	/	2	115
18b	Multiplying and rationalising surds	0	/	3	114, 118
19i	Completing the square	1	/	2	235
19ii	Find the turning points of quadratic graphs	1	/	1	256
20	Algebraic direct and inverse proportion	4	/	4	344, 346
21a	Inverse functions	2	/	2	295
21b	Composite functions	0	/	5	294
22	Conditional probability	2	/	5	367
	Total	39	/	80	

Hegarty Maths.com

Learn the formulae

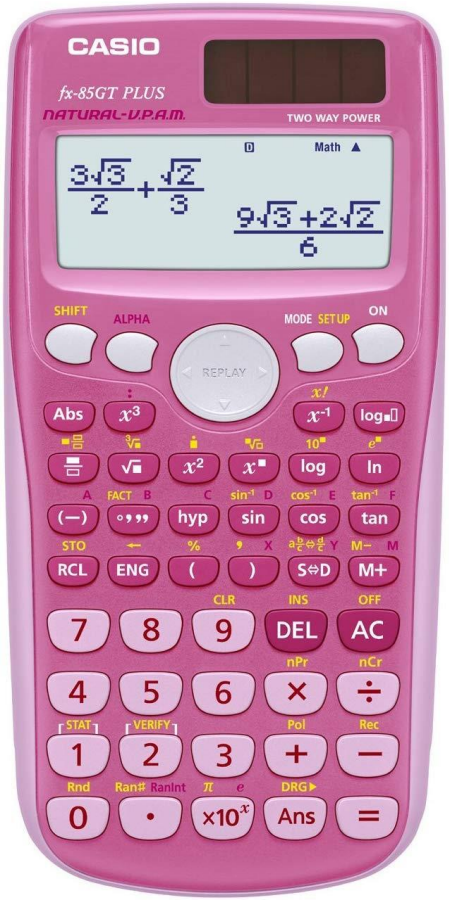




AND

how to apply them.

Know how to use the calculator efficiently.



Casio FX-85GTPLUSPK Scientific Calculator

Types of questions

AO1 Use and apply standard techniques
Strands
1 – Accurately recall facts, terminology and definitions
2 – Use and interpret notation correctly
3 – Accurately carry out routine procedures or set tasks requiring multi-step solutions

20 (a) Write 7357 correct to 3 significant figures.

7357

7360

~~7350~~ 7360

(1)

1/1

(b) Work out $\dfrac{\sqrt{17 + 4^2}}{7.3^2}$

Write down all the figures on your calculator display.

$17 + 4^2 = 33$ $\sqrt{33} = 5.744562647$

$7.3^2 = 53.29 = 0.1077981356$

0.1077981356

(2)

2/2

Idea

Create some Flashcards

AO2 Reason, interpret and communicate mathematically	
Strands	***Elements***
1 – Make deductions, inferences and draw conclusions from mathematical information	
2 – Construct chains of reasoning to achieve a given result	
3 – Interpret and communicate information accurately	
4 – Present arguments and proofs	
5 – Assess the validity of an argument and critically evaluate a given way of presenting information	

21 Last year Jo paid £245 for her car insurance.
This year she has to pay £883 for her car insurance.

Work out the percentage increase in the cost of her car insurance.

Percentage change $= \frac{\text{change}}{\text{original}} \times 100$

$\frac{(883 - 245)}{245} \times 100 = 260.408$

260.41

260 %

3/3

AO3 Solve problems within mathematics and in other contexts
Strands
1 – Translate problems in mathematical or non-mathematical contexts into a process or a series of mathematical processes
2 – Make and use connections between different parts of mathematics
3 – Interpret results in the context of the given problem
4 – Evaluate methods used and results obtained
5 – Evaluate solutions to identify how they may have been affected by assumptions made

* Here is part of a field.

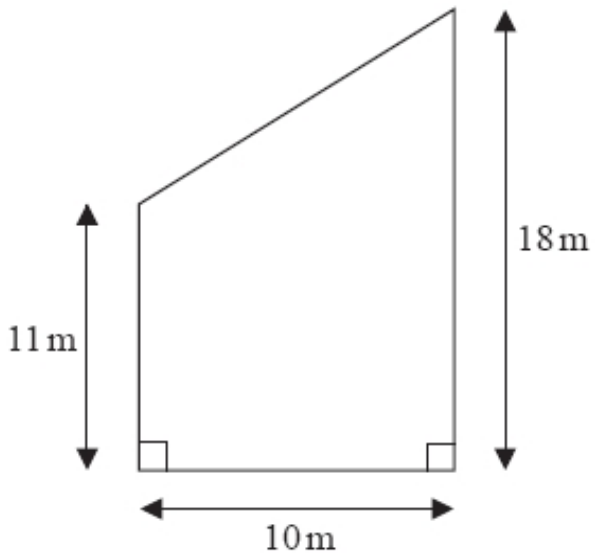


Diagram **NOT** accurately drawn

This part of the field is in the shape of a trapezium.
A farmer wants to put a fence all the way around the edge of this part of the field.

The farmer has 50m of fence.

Does he have enough fence?
You must show all your working.

Retrieval Practice

Name :

FAA3.1

Question 1 Simplify $x^3 \times x^2$	**Question 2** Simplify $x^6 \div x^2$	**Question 3** Expand and simplify $(x-2)(x-1)$	**Question 4** Expand and simplify $(x-4)(x-2)$
Question 5 Factorise x^2+5x+6	**Question 6** Factorise $x^2+9x+14$	**Question 7** Solve simultaneously x + 2y = 11 2x + 2y = 14	**Question 8** Solve simultaneously 2x - y = 8 x + y = 7
Question 9 If it takes 3 hours for 8 workers to paint a fence, how long would it take 6 workers?	**Question 10** If it takes 6 days for 6 workers to build a garage, how long would it take 9 workers?	**Question 11** A measure is given as 13 cm correct to the nearest cm. What is the upper bound?	**Question 12** A measure is given as 200 m correct to the nearest 50m. What is the upper bound?
Question 13 Work out $\frac{2}{5} \times \frac{1}{6}$	**Question 14** Work out $\frac{3}{4} \div \frac{1}{2}$	**Question 15** Round 3453 to 2 significant figures	**Question 16** Round 0.05468 to 2 significant figures
Question 17 Does the point (2, 5) lie on the line y = 3x -1?	**Question 18** Does the point (-1, 4) lie on the line y = 5 - x?	**Question 19** State the exact value of sin 90°	**Question 20** State the exact value of cos 90°

SKILLS CHECK

Score

Interleaving

Name: _____ 5-a-day Foundation Plus

5th February

Corbettmaths

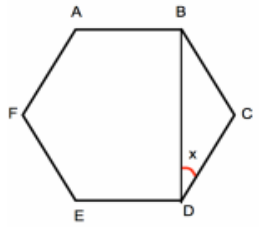
The table shows the ages of an under-21 rugby squad.

Age	Frequency
18	5
19	5
20	9
21	4

Find the mean age

A bag of apples weighs 7kg, correct to the nearest kilogram.
What is the least possible weight of the bag of apples?

Shown below is a regular hexagon ABCDEF.
Calculate angle x.



Calculate the gradient of the straight line passing through (0, 2) and (3, 11).

Write down the equation of the line.

How long would it take someone to run 10km at 4 metres per second?

Q4. There are only red buttons, yellow buttons and orange buttons in a jar.
The number of red buttons, the number of yellow buttons and the number of orange buttons are in the ratio 7 : 4 : 9

Work out what percentage of the buttons in the jar are orange.

..... % (2)

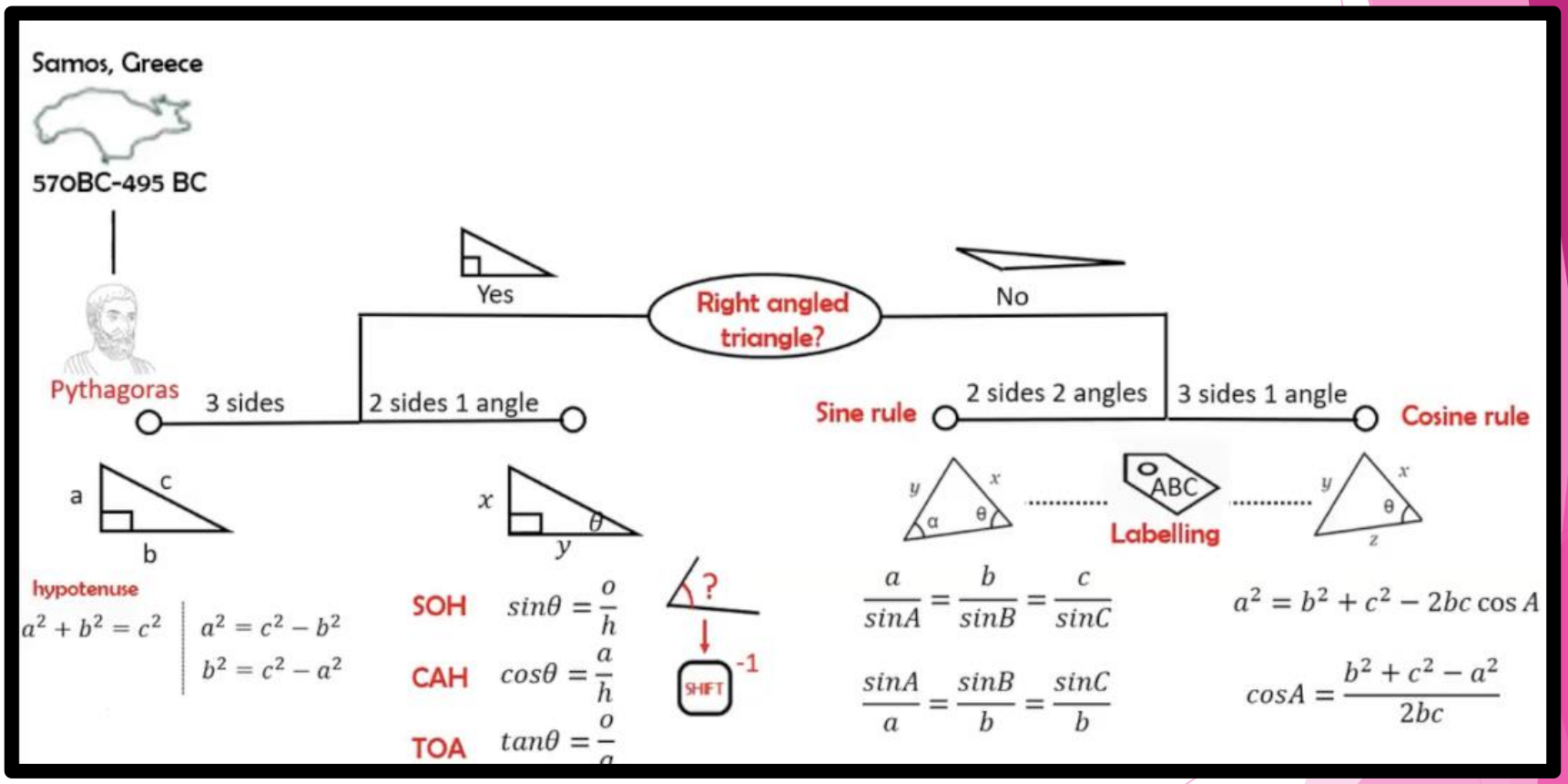
Q4b. There are only red sweets, yellow sweets and orange sweets in a jar.
The number of red sweets, the number of yellow sweets and the number of orange sweets are in the ratio 9 : 5 : 11

Work out what percentage of the sweets in the jar are orange.

..... % (2)

Minimally different

Recall and Mind mapping



Ideas
Revision Session ideas 20-30 mins 4-5 times a week

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Use your QLA and watch 3-5 videos+ Quiz on Hegarty	Maths Homework past paper question + self assess	Create a set of flash cards for all formula for area, perimeter and volume and compound measures		RAG rate the syllabus		
	Create a set of flash cards for statistical measures	Maths Homework past paper question + self assess	Complete a quiz from your revision guide	Complete the a maths paper- with a YouTube video		
	RAG rate the syllabus	List all the different ways you can solve an equation	Maths Homework past paper question + self assess	Visit GCSE Bitesize to work through a topic	Create a set of flash cards for expressions, formulae and equations	
Maths Homework past paper question + self assess	Create a mind map on graphs	Use the mark scheme to assess some questions.		Complete past paper questions related to graphs		
Recreate the formula sheet from scratch	Maths Homework past paper question + self assess	Watch 4 videos on Corbett maths	Use your QLA and watch 3-5 videos+ Quiz on Hegarty		Complete 5 questions on an exam paper	
		Maths Homework past paper question + self assess	Quiz yourself on the area, perimeter and volume and compound measures			

Revising for English Language and English Literature

English Language exams

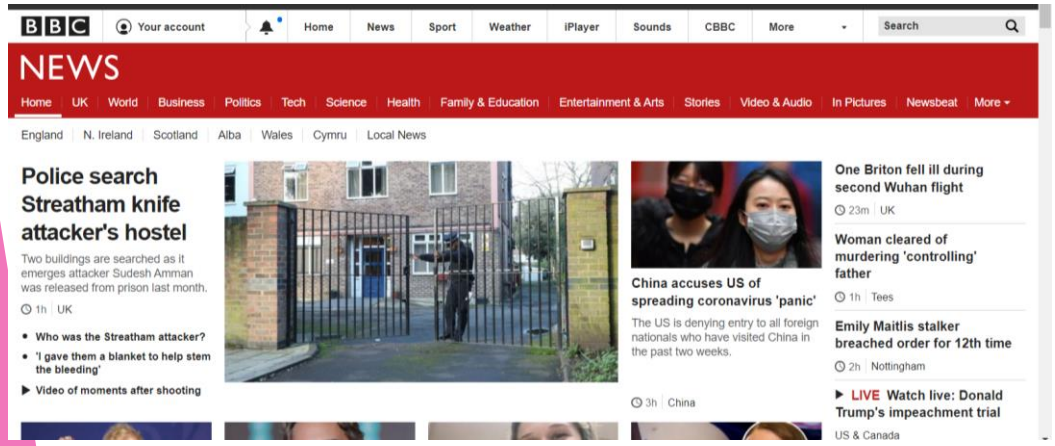
Paper	Date	% of GCSE grade
Paper 1 Creative Reading & Writing	02.06.20 (AM)	50%
Paper 2 Writers' Viewpoints & Perspectives	05.06.20 (AM)	50%

Why Cross-Country is a Silly Sport


PlayStation
Official Magazine
GHOST OF TSUSHIMA
RESIDENT EVIL
BBC
REMEMBERING DAVID BELLAMY
Wildlife
CAUGHT IN THE CROSSFIRE
SECRETS OF SKIN
PLASTIC
THE GREAT TREE DEBATE

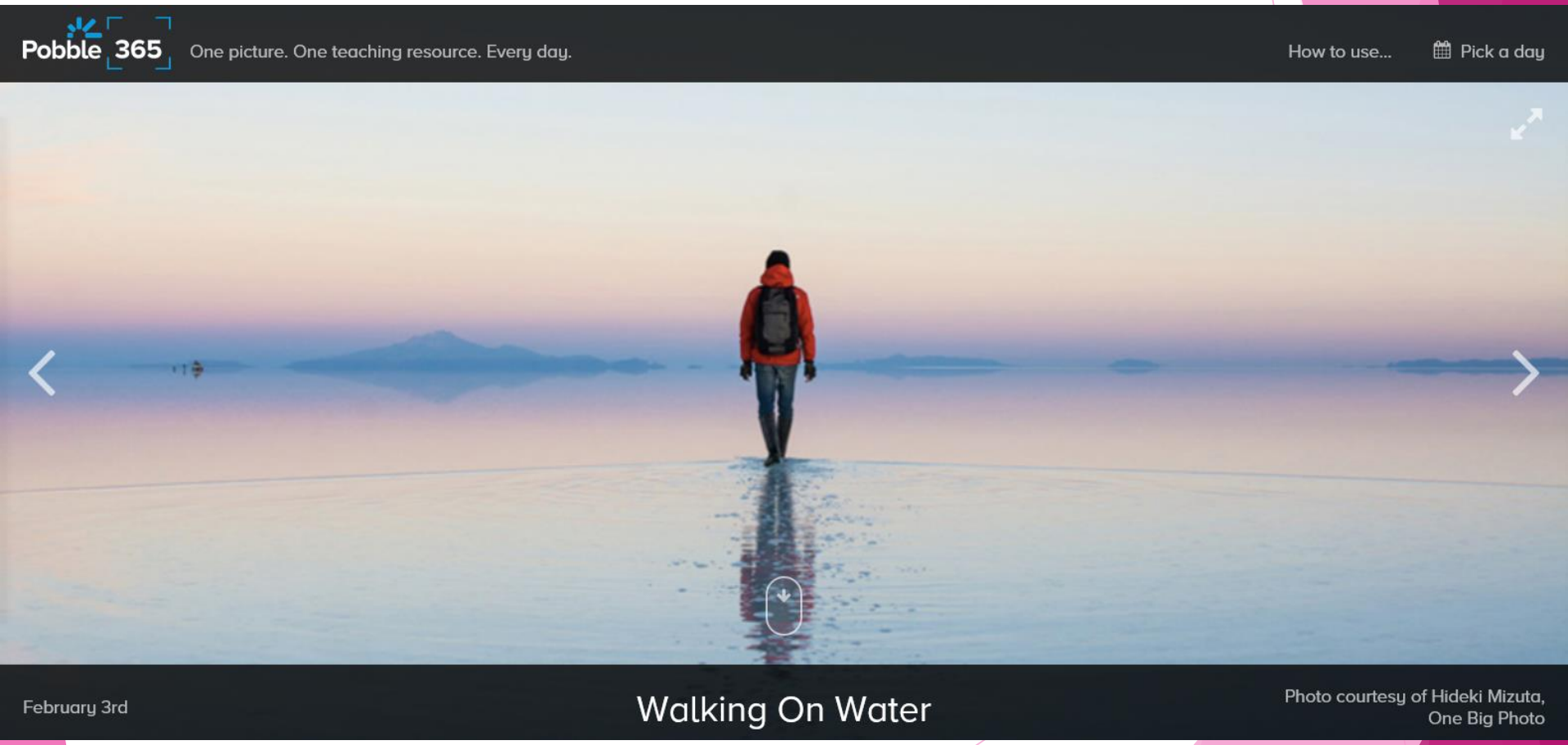

GEORGE R.R. MARTIN
A GAME OF THRONES
'Characters so venomous they could eat the Borgias'
GUARDIAN
EXCLUSIVE COLLECTOR'S EDITION
THE HATE U GIVE
"STUNNING" JOHN GREEN
ANGIE THOMAS
No.1 NEW YORK TIMES BESTSELLER

Read


BBC
Your account
Home
News
Sport
Weather
iPlayer
Sounds
CBBC
More
Search
NEWS
Home
UK
World
Business
Politics
Tech
Science
Health
Family & Education
Entertainment & Arts
Stories
Video & Audio
In Pictures
Newsbeat
More
England
N. Ireland
Scotland
Alba
Wales
Cymru
Local News
Police search Streatham knife attacker's hostel
Two buildings are searched as it emerges attacker Sudesh Amman was released from prison last month.
1h | UK
Who was the Streatham attacker?
'I gave them a blanket to help stem the bleeding'
Video of moments after shooting
China accuses US of spreading coronavirus 'panic'
The US is denying entry to all foreign nationals who have visited China in the past two weeks.
3h | China
One Briton fell ill during second Wuhan flight
23m | UK
Woman cleared of murdering 'controlling' father
1h | Tees
Emily Maitlis stalker breached order for 12th time
2h | Nottingham
LIVE Watch live: Donald Trump's impeachment trial
US & Canada


The Daily Teleg
Daily
Kate's back.. with a
FIGHTING FOR YOU
Mirror donor
TIMES
THE SUN
SHOCK

Pobble365


Pobble 365
One picture. One teaching resource. Every day.
How to use...
Pick a day
February 3rd
Walking On Water
Photo courtesy of Hideki Mizuta, One Big Photo

Improve your writing
Bristol University

In this exercise you will have to decide which pairs of clauses can be connected with a semi-colon.

1 Which can/should be connected with a semi-colon?

- ☐ a) I hate rice pudding _____ dairy products don't agree with me.
- ☐ b) Spain is lovely _____ hot weather and friendly people.
- ☐ c) Spain _____ lovely beaches, endless blue sea and great weather.
- ☐ d) Spain is a lovely country _____ the beaches are endless and the weather is always good.

2 Which can/should be connected with a semi-colon?

- ☐ a) Paris is a beautiful city _____ wide streets and sunshine.
- ☐ b) Havana is a lovely city _____ rice pudding is one of my favourite foods.
- ☐ c) I would love to go to France _____ Paris is a lovely city.
- ☐ d) I would love to go to Greece _____ I love ancient history.

Language hints sheet

Summary of each question:	Marks, timings and assessment objectives	Top hints and tips
Question 1 List 4 things about…	4 marks 5 minutes AO1	Draw a box around the lines you should focus on. Identify the focus of the question. Use this to start each of your 4 answers. Eg. List 4 things about the boy. The boy … The boy… The boy… The boy…

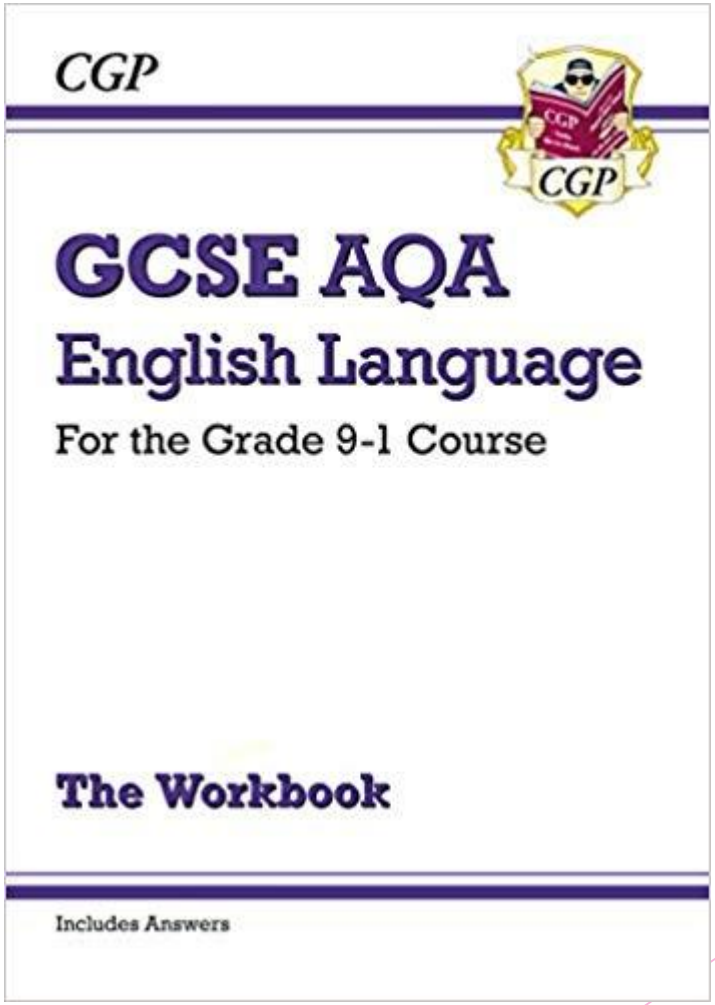
Language terminology sheet

Word Classes		
Noun	The name of a person, place or thing.	Sarah Bournemouth Cinema Chair Anger
Adjective	A word that describes a noun.	Blue Evil Tired
Verb	A doing or being word.	Jump Singing Was
Adverb	A word that describes a verb.	Quickly Well Smoothly
Pronoun	A word that can be used in place of a noun.	He My You Hers
Preposition	A word that tells you where something is in time or place.	Earlier Next Last week At midday Above Beyond

1-a-day practice questions

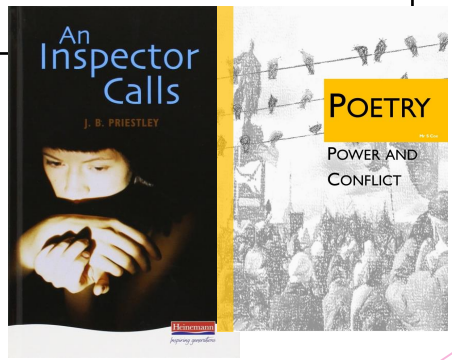
Extract taken from Darkside by Tom Becker	**How does the writer use language to describe the setting?**
He had come out on to a narrow cobbled street that bubbled with a cauldron of voices: garbled shouts, throaty cries, squawks of protest and snarled threats. A procession of horse-drawn carriages filed past in front of him, and Jonathan's ears reverberated to the rumble of the wheels and the loud clopping of hooves on the cobblestones. On either side of the street, a row of tall, soot-covered buildings leaned menacingly towards each other like boxers. Above their high arched roofs, towering chimney stacks punctuated the skyline, bellowing dense clouds of smoke that turned the air into a permanent night. A milky full moon shone weakly through the acrid haze.	

English Language Workbook

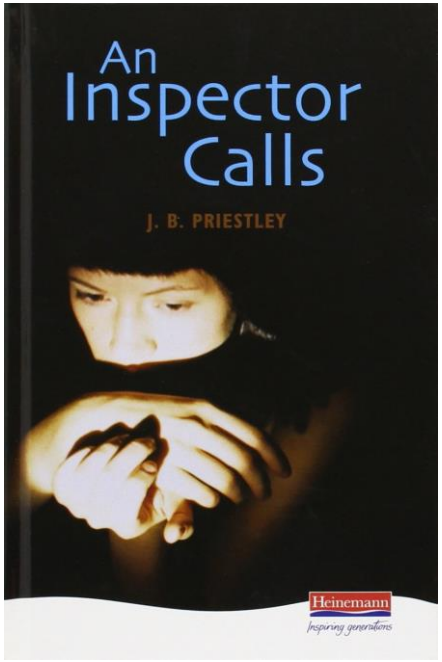


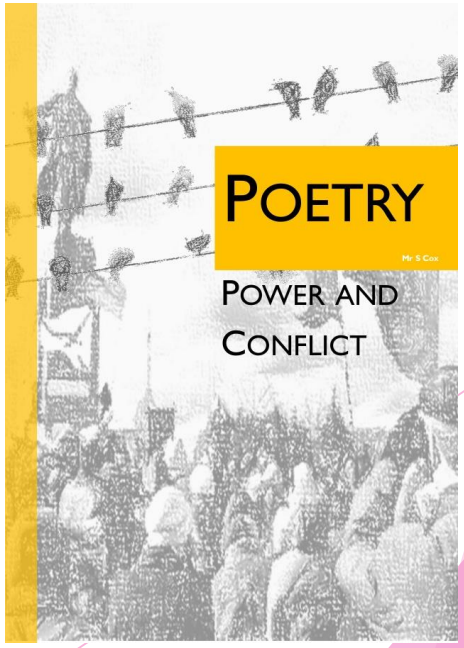
English Literature exams

Paper	Date	% of GCSE grade
Paper 1 Macbeth and Jekyll & Hyde	13.05.20 (AM)	40%
Paper 2 An Inspector Calls & Poetry	21.05.20 (AM)	60%



Read, watch and discuss



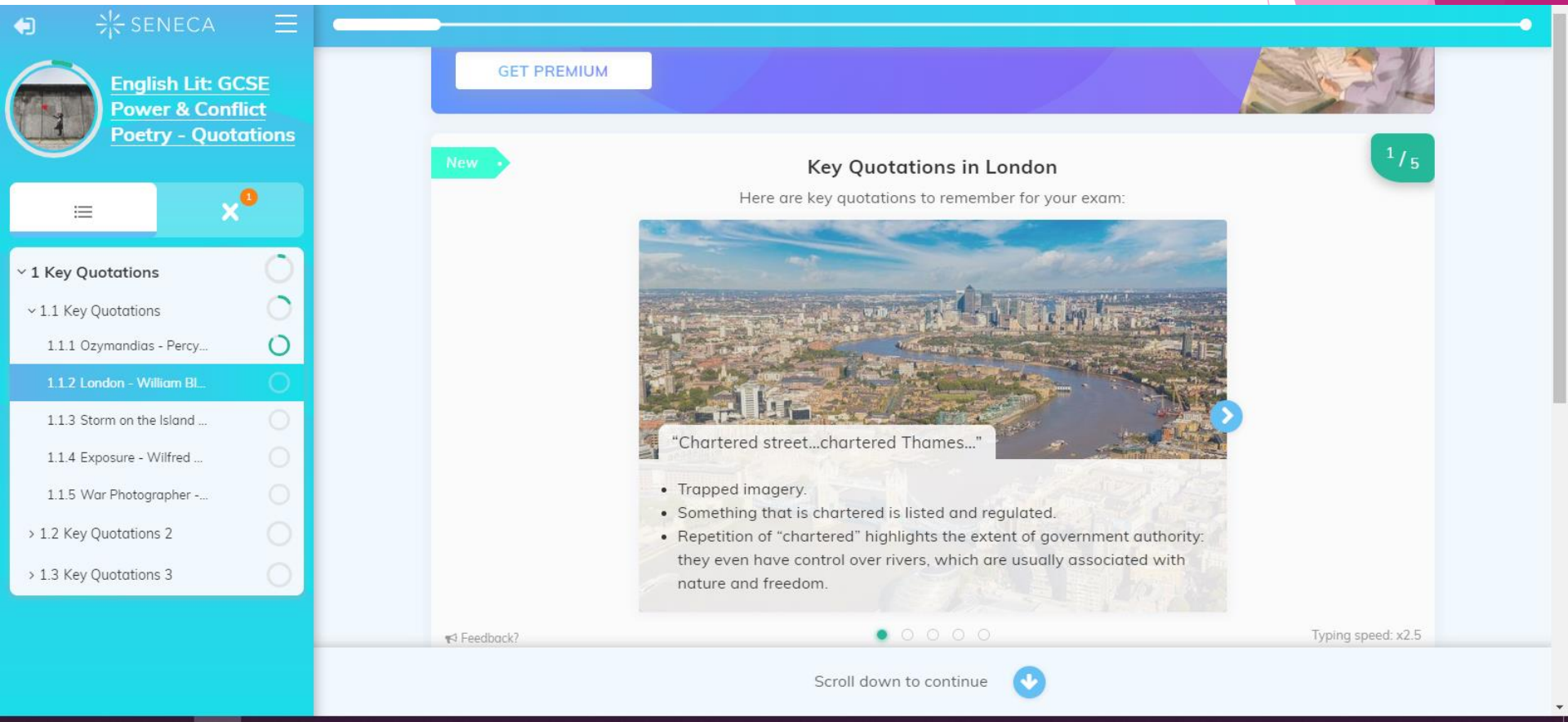


Knowledge checklists

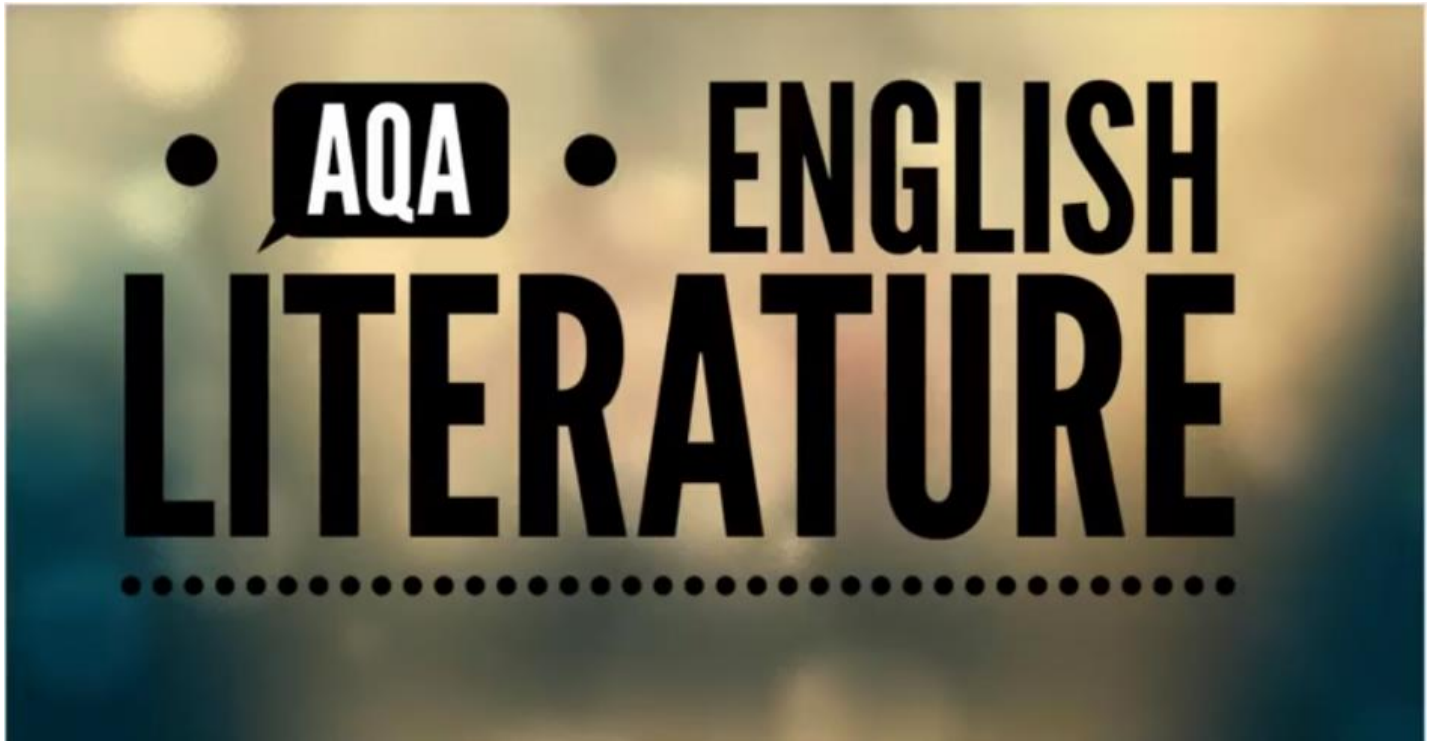
‘An Inspector Calls’ Revision Checklist

	RAG yourself:	How to revise this and when?	Secure?
Mr Birling: who is he and how does he deliver Priestley’s message?			
Mr Birling: 3 key quotes that relate to him			
Mrs Birling: who is she and how does she deliver Priestley’s message?			
Mrs Birling: 3 key quotes that relate to her			
Sheila: who is she and how does he deliver Priestley’s message?			
Sheila: 3 key quotes that relate to her			
Eric: who is he and how does he deliver Priestley’s message?			
Eric: 3 key quotes that relate to him			

Seneca Learning



Youtube – Mr Bruff

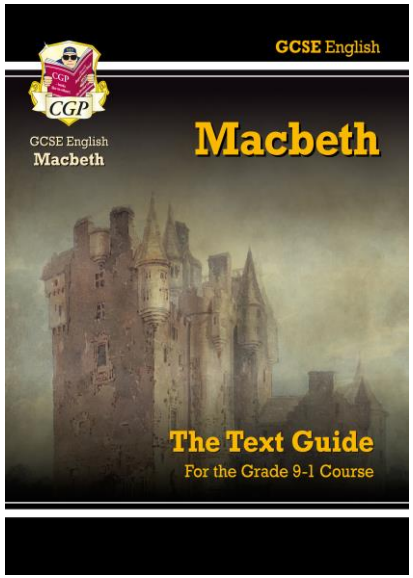


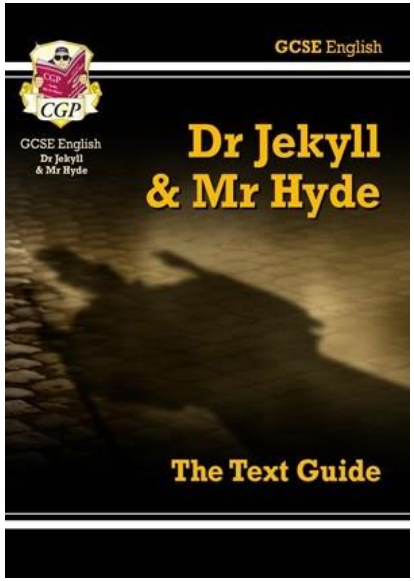
Key quotes

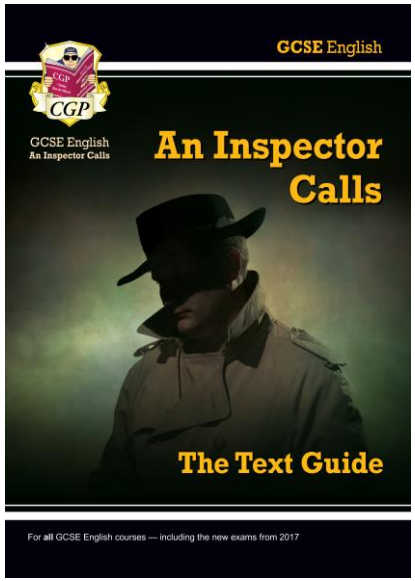
Macbeth quotes:

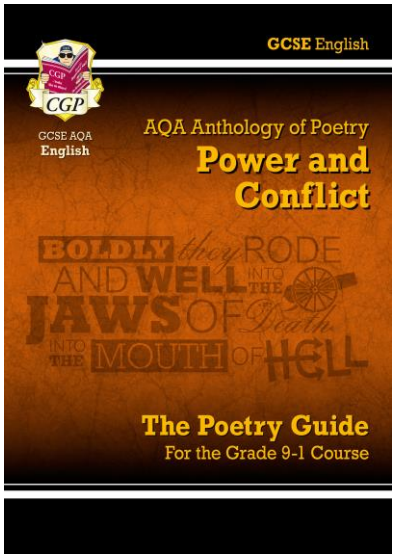
'Fair is foul and foul is fair' **The Witches**	
'unseamed him from the nave to the chops' **Captain about Macbeth**	
'Unsex me here, And fill me from the crown to the toe top full Of direst cruelty' **Lady Macbeth**	
'Look like the innocent flower, But be the serpent under it.' **Lady Macbeth**	
'He hath honour'd me of late, and I have bought Golden opinions' **Macbeth**	
'When you durst do it, then you were a man.' **Lady Macbeth**	
'Is this a dagger which I see before me' **Macbeth**	
'My hands are of your colour, but I shame To wear a heart so white' **Macbeth**	
'O horror, horror, horror!' **Macduff**	

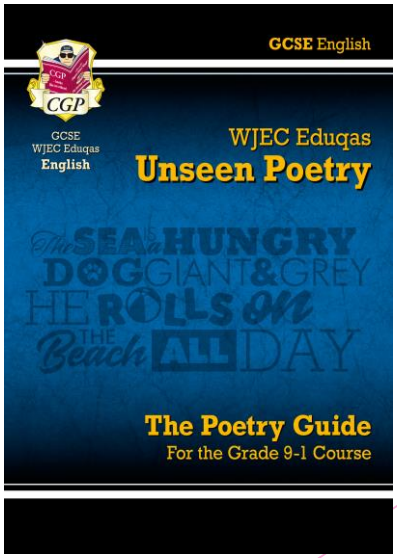
CGP revision guides











Science Exam Preparation

Key Strategies

EXAM CONTENTS

Combined Science – 6 x 1hr 15mins

Triple Science – 6 x 1hr 45mins

DISCIPLINE	PAPER 1	PAPER 2
Biology	B1-4	B5-7
Chemistry	C1-5	C6-10
Physics	P1-4	P5-7 (TRIPLE P5-8)

EXAM DEMANDS

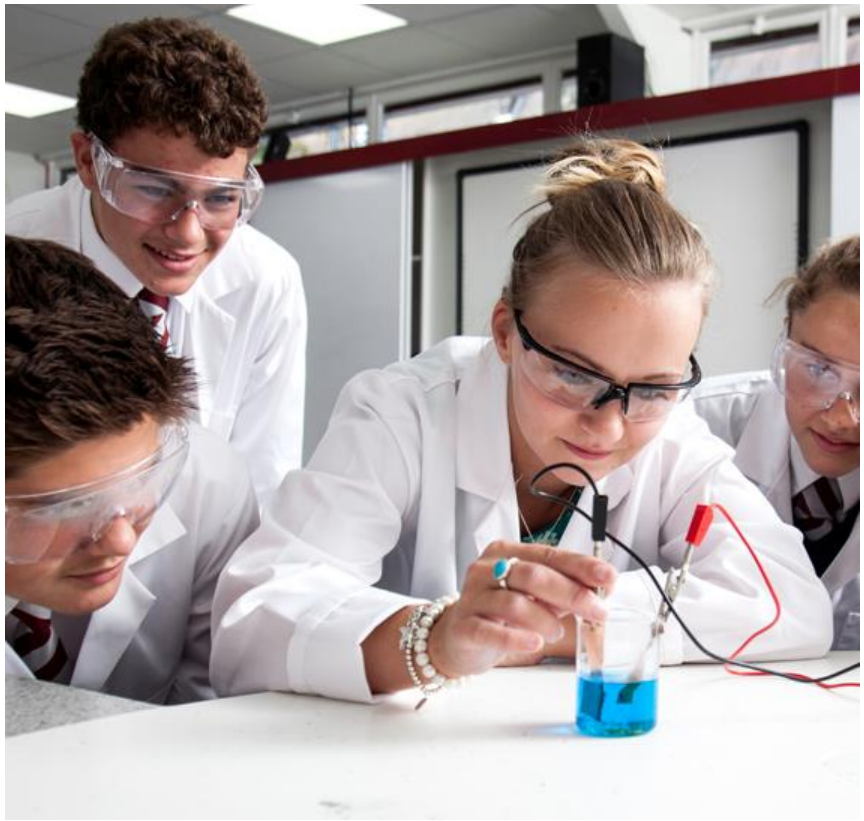
The exams will measure how students have achieved the following assessment objectives.

- AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.
- AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.
- AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

Assessment objectives (AOs)	Component weightings (approx %)						Overall weighting (approx %)
	Biology Paper 1	Biology Paper 2	Chemistry Paper 1	Chemistry Paper 2	Physics Paper 1	Physics Paper 2	
AO1	37–43	37–43	37–43	37–43	37–43	37–43	40
AO2	37–43	37–43	37–43	37–43	37–43	37–43	40
AO3	17–23	17–23	17–23	17–23	17–23	17–23	20
Overall weighting of components	16.6	16.6	16.6	16.6	16.6	16.6	100

THE MILLION DOLLAR QUESTION
What can I do as a parent?!....

DON’T STRESS!!!
This will not help anybody.
Accept what you **cannot** do.

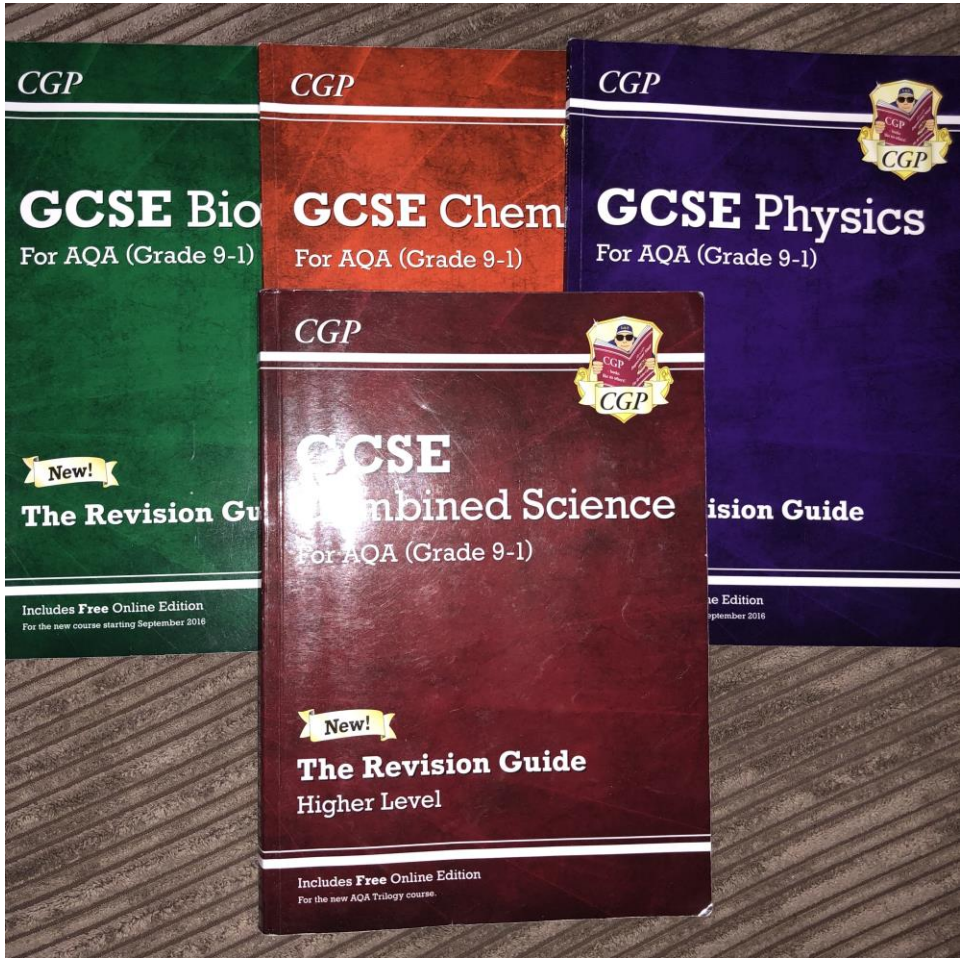


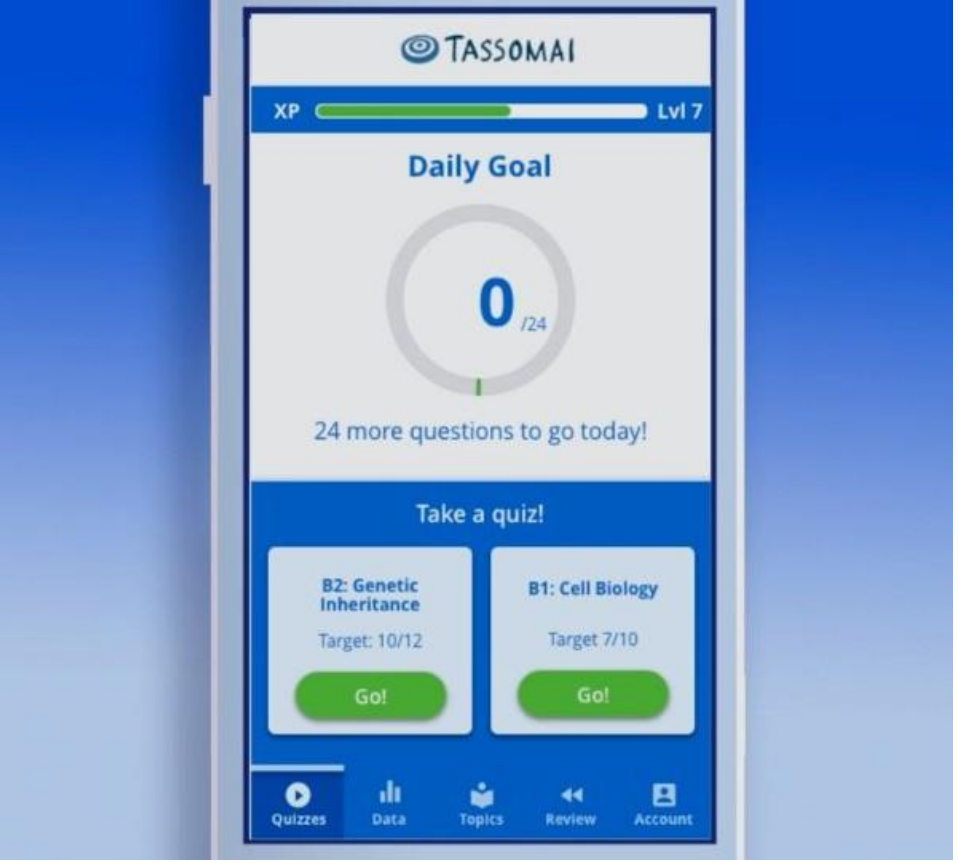
- We will revisit all of the Required Practicals and associated skills and contexts.
- We will be focusing on skills and application in our revision programme during lessons.

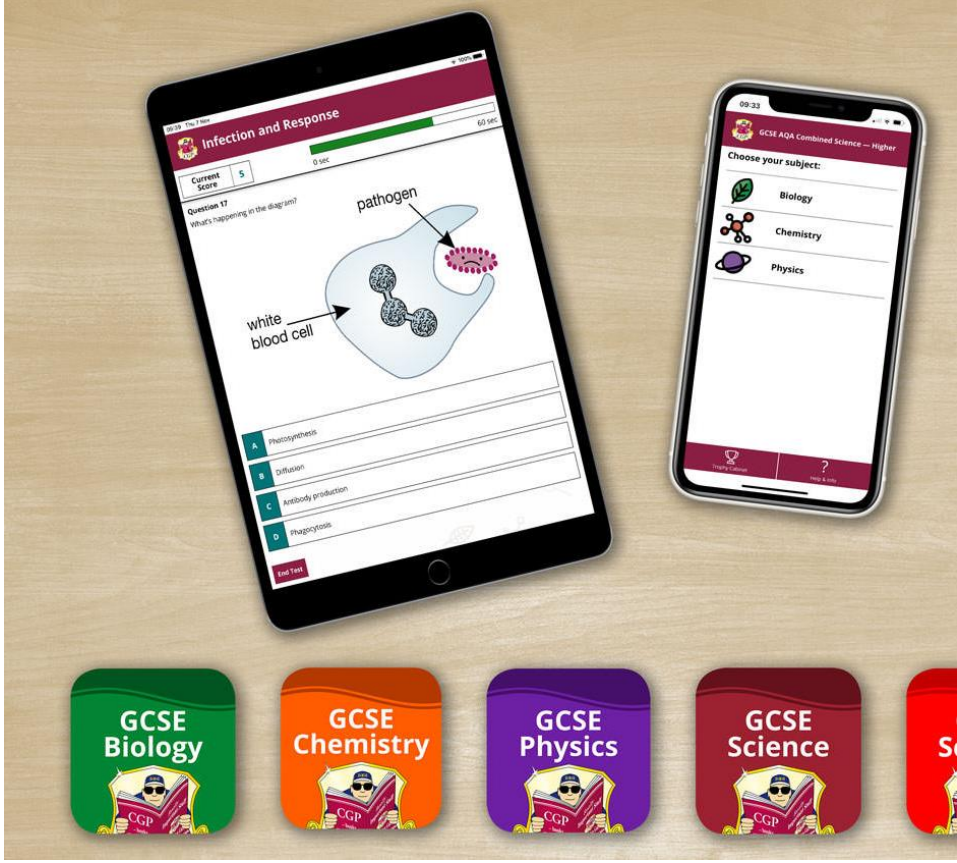
WHAT YOU CAN DO for Science (and make a huge difference with!)

Promote Active Home Study

CGP Revision Guides







HOME STUDY STRATEGIES
Electronic Activities

ADDITIONAL SUPPORT IN SCHOOL

- We have three Saturday revision sessions, in which students will be split by tier and discipline, and rotated around in a “Revision Circus” which has been rated very successful by students and parents in previous years.
- The dates for these events are as follows:
- Saturday 9th May, 1pm-4pm
- Saturday 30th May 10am-1pm
- Saturday 6th June 11am-2pm

AWARENESS
Be aware of the exam timetable.

- Students will often show a very strong preference for one of the three Science subjects.
- **Be aware** of when each exam is coming up. Your child should not be revising Biology if they have a Physics exam the next day.

PHYSICS EQUATIONS Memorisation

- Higher Tier students will not be provided with the vast majority of Physics calculation equations.
- The equation questions normally award very high marks for getting to a correct answer, partially as a **reward** for memorising the equation in the first place. A correct answer instantly overrides any "working" marks and awards the maximum tariff for that question.
- Flash cards are a really helpful way to help your child memorise these equations.
- This is **knowledge based**. While we will be pushing Physics equations in lessons, supporting your child to learn these at home could be the difference between an exam grade or even two exam grades.

COMMUNICATE

- It will very likely have been some time since you yourselves studied Science.
- Contact us at school if you have any questions or if you need clarification on a specific topic.