

KS4 Revision Evening



“The bad news is that from now onwards time flies,
the good news is you’re the pilot!”

Presentations...

- Mr D Hyett – Assistant Headteacher
- Mr B Robinson – Head of KS 4 Maths
- Mr M Hart – Faculty Lead Science
- Ms J Webb – Faculty Lead English

Revision

- GCSE grades are important as they are the keys to unlock the next stage of your life.
- More than anything you want to go onto something that you **choose** to do.
- When you open your exam results in the summer you don't want to have any regrets – you know that you tried your very best.

TIME + EFFORT =
SUCCESS

Discussion

- How do you currently feel about revision for your GCSEs?
 - Have you started or are you putting it off?
 - Do you know what to do?
 - Have you got a plan in place?

Why it's important to revise:

Learning is hard work! But it's definitely possible!

Think about the things you know off-by-heart; the lyrics to songs from a few years ago, the words to your favourite films.

You generally remember these things because

- (a) you enjoyed them and
- (b) you listened to or watched them lots of times.

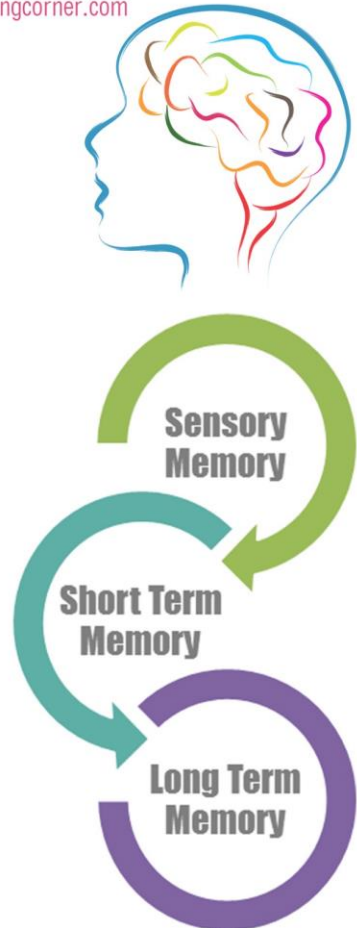
But, since you were born, you have learned and understood millions of pieces of information that you will know for the rest of your life.



How the memory works:

3 Types of Working Memory

ilslearningcorner.com



Your sensory memory receives information all the time – things you hear, things you see, things you taste. If you ignore this information, it's lost forever.

If you pay attention to the information, it becomes stored in the short-term memory – but this doesn't last long and it can't store much information.

To move information from short to long term memory you have to understand the information and put effort into the process.

Even after this memories can be lost over time if they are not attended to regularly. The more you revisit things, the stronger the memories become.

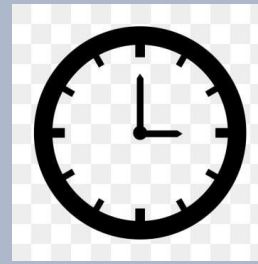
THIS IS WHY LEARNING IS SO DIFFICULT - IT TAKES EFFORT!

KEY POINTS:

- ‘little and often’.
- Revisiting things you find difficult or have got wrong in the past, at regular intervals, is vital. Over time, as you understand a little more, the work gets easier and you learn more. You start to make links between topics and ideas, and it becomes easier still.
- But beware – it’s tempting to spend time revising stuff you already know but **progress is made by revising things we don’t know!**



Planning your revision:



To get the most out of your revision you must plan it! If not, it's too tempting to pick up something comfortable and easy and learn very little.

You need to plan:

- 🕒 When you are going to revise? (what times are best for you? How long is reasonable? 20-30mins at a time is best)
- 🕒 Where you are going to revise? (have you got a space of your own? **Are your phone and other distractions away from you while you're revising?**)
- 🕒 What you are going to revise? (have you planned exactly what you want to learn in this chunk of time? Which question do you want to be able to answer?)
- 🕒 When and how you're going to relax? (this is just as important. You need to eat and drink well and plan time with friends and family. **You won't work well if you don't relax well**).

Hr	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9:00 AM							
	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
10:00 AM							
	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
11:00 AM							
	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
1:00 PM						FREE	FREE
	BREAK	BREAK	BREAK	BREAK	BREAK		
2:00 PM						FREE	FREE
	BREAK	BREAK	BREAK	BREAK	BREAK		
3:00 PM						FREE	FREE
4:00 PM	Review	Review	Review	Review	FREE	FREE	FREE

Use different colours for different topics . Remember to keep reviewing what you have revised and testing yourself at the end of the day, the next day and the end of the week - this will help you to recall the information in the exam.

Planning your revision

**Be open to
feedback...**



How effective are strategies?

- **Summarising** - writing summaries of texts - **LOW**
- **Highlighting/underlining** - **LOW**
- **Keyword mnemonics** - choosing a word to associate with information - **LOW**
- **Imagery** - forming mental pictures while reading or listening - **LOW**
- **Re-reading** - **LOW**
- **Interleaved practice** - switching between different kinds of problems - **MODERATE**
- **Elaborative interrogation** - being able to explain a point or fact - **MODERATE**
- **Self-explanation** - how a problem was solved - **MODERATE**
- **Practice testing** - Self-testing to check knowledge - especially using flash cards - **HIGH**
- **Distributed practice** - spreading out study over time - **HIGH**

Recommended techniques:

Quizzing

Good old fashioned quizzing is an ideal vehicle to get students self-testing, which is proven to be a robust revision strategy, so that students can calibrate their knowledge and remembering. There are various types of quizzes, of course, such as short answer quizzing, multiple choice or a hybrid of the two, with different question types suiting different purposes.

Flashcards

Flashcards are a very familiar tool used by students. Crucially, however, too many students fail to use them for effective self-testing.

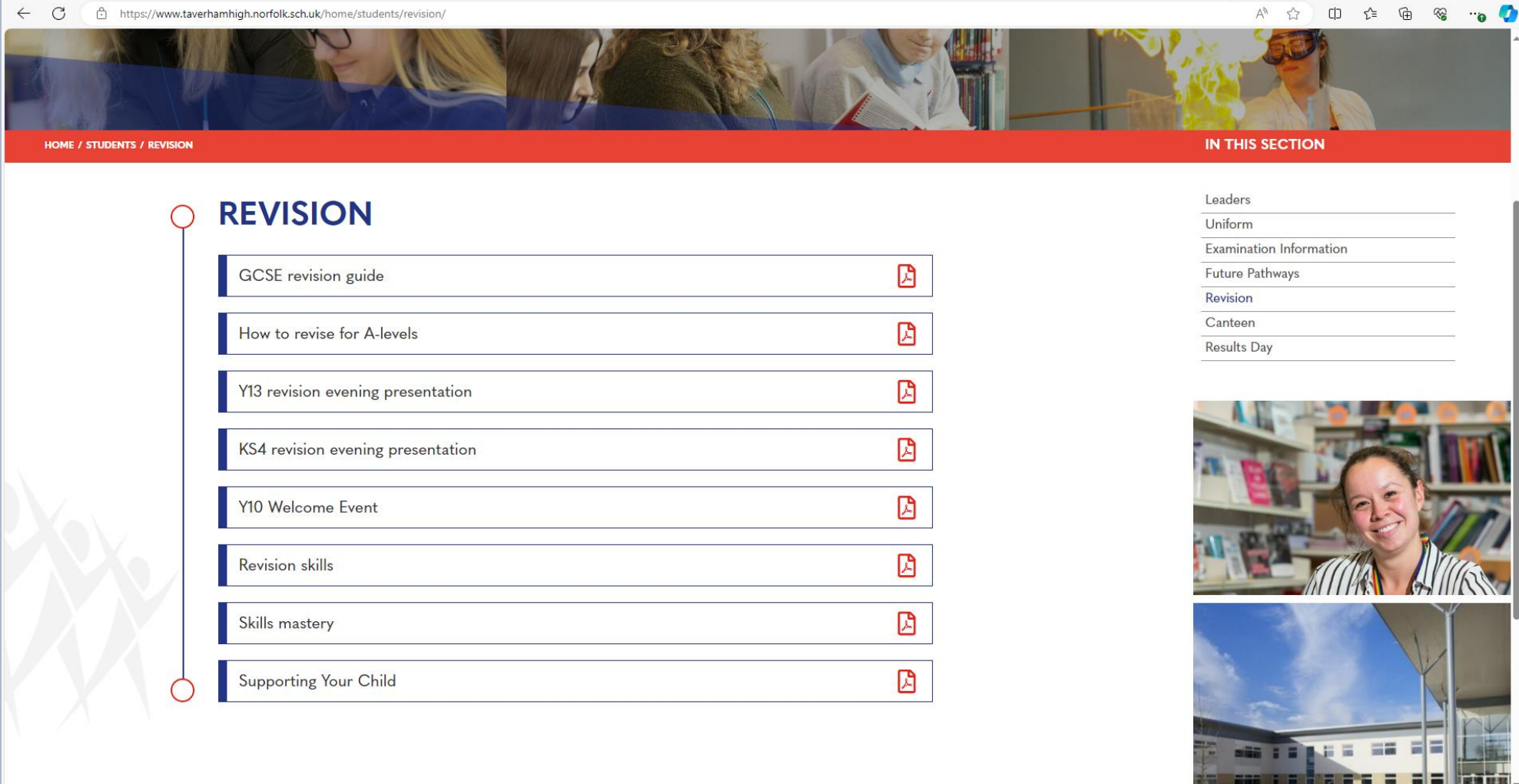
Write a question on the front of a card and the answer/s on the back and test yourself.

Students should beware dropping flashcards they think they know!

Past questions

Students need to practise examination questions over and over, well spaced over time. The effect of exploring worked examples or exam answers, as well as writing their own, helps students process and refine their revision to meet the parameters of exam success.









Resources:



← ↻ 🔒 https://www.taverhamhigh.norfolk.sch.uk/home/students/revision/ 🔍 ☆ 📄 🗨️ 📧 🌐 📱



HOME / STUDENTS / REVISION

REVISION

- GCSE revision guide 
- How to revise for A-levels 
- Y13 revision evening presentation 
- KS4 revision evening presentation 
- Y10 Welcome Event 
- Revision skills 
- Skills mastery 
- Supporting Your Child 

IN THIS SECTION

- Leaders
- Uniform
- Examination Information
- Future Pathways
- Revision
- Canteen
- Results Day





Split a topic into manageable chunks

Choose a chunk at a time to memorise.

Start with the most important or the most difficult.

Re-read your notes on the chosen topic.

Do some wider research on the internet until you understand it.

Write a detailed description or an explanation about everything you know about this topic.

Try to do this without your notes.

Write key facts you need to memorise over and over until you have memorized them.

Give a verbal explanation about the topic as if you were teaching it.

Repeat facts you need to remember 20 times.

Record key facts about this topic on your phone.

Say what you've learnt from memory.

Name of Topic: _____

Name: _____

Class: _____

When you read any text, you should be asking it questions, NOT just letting it wash over you. Read your text and pause and ask it questions - e.g. 'what do you mean when you say '...'?'

Questions I'm asking the text	Answers to those questions	Things I need to ask my teacher

Name of Topic: _____

Name: _____

Class: _____

Read the text and come up with 20 questions to ask someone about the text.

	Question	Answer
1		
2		
3		
4		
5		
6		

Analysing a picture/text/resource



Unit/Topic:

PICTURE/SOURCE/INFO/RESOURCE



Key Points

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

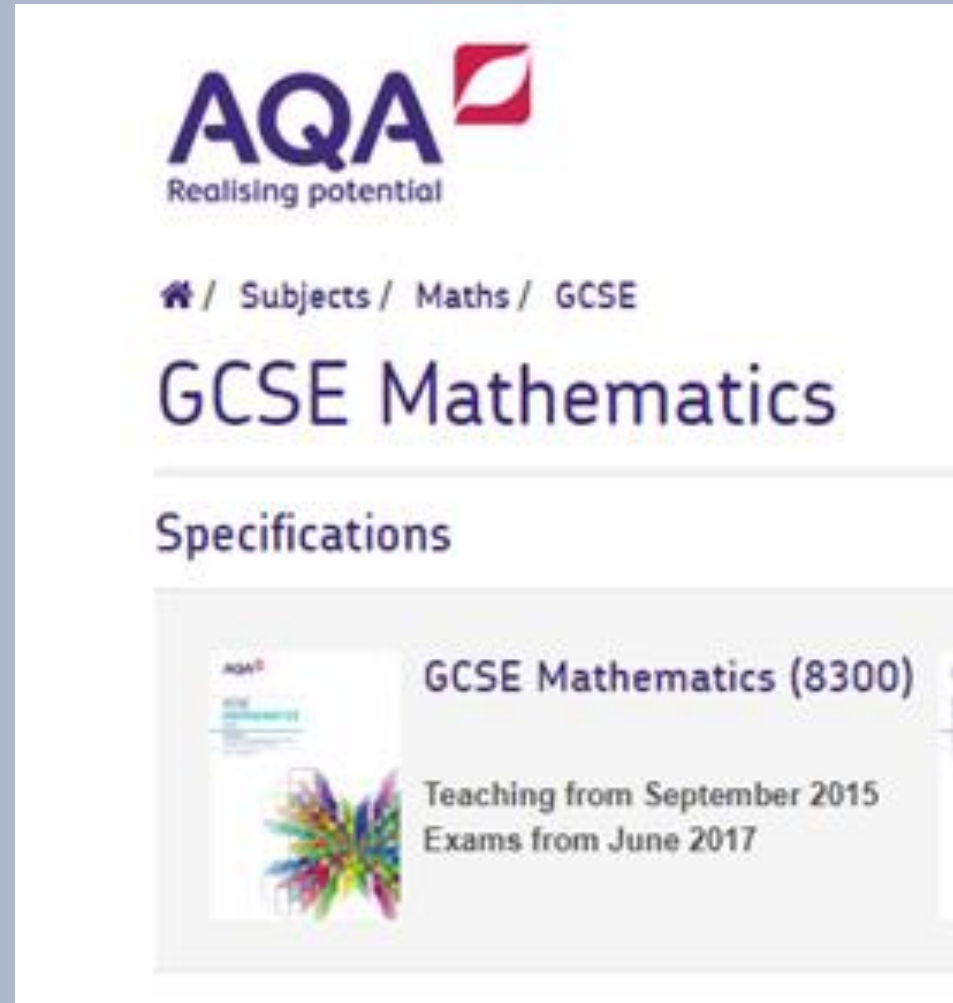
Most
important
+ WHY:

Maths GCSE

Mr Robinson, Head of KS4
Maths

GCSE - Mathematics

- Exam board AQA
- Foundation Grades 1 – 5
- Higher Grades (3) 4 – 9
- 3 papers each 1 hour 30mins
- Paper 1 Non calculator
- Papers 2 & 3 Calculator allowed



The image is a screenshot of the AQA website's page for GCSE Mathematics. At the top left is the AQA logo with the tagline "Realising potential". Below the logo is a breadcrumb trail: "Home / Subjects / Maths / GCSE". The main heading is "GCSE Mathematics". Underneath, there is a section titled "Specifications". A card is displayed for "GCSE Mathematics (8300)", which includes a small image of the specification book cover and the text: "Teaching from September 2015" and "Exams from June 2017".

Changes from Summer 2023.

- There will be between 0 and 4 multiple choice questions in each paper (there used to be 8). They are only worth 1 mark each.
- There will be a formula sheet issued with every exam paper. Familiarise yourself with this before the exam.
- More focus on fewer words and ease of reading. AQA will make sure that they use the minimum words that convey the necessary meaning across all our questions.

Perimeter, area and volume

Where a and b are the lengths of the parallel sides and h is their perpendicular separation:

$$\text{Area of a trapezium} = \frac{1}{2}(a + b)h$$

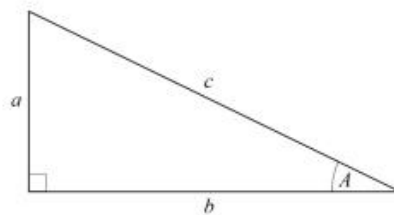
Volume of a prism = area of cross section \times length

Where r is the radius and d is the diameter:

$$\text{Circumference of a circle} = 2\pi r = \pi d$$

$$\text{Area of a circle} = \pi r^2$$

Pythagoras' Theorem and Trigonometry



In any right-angled triangle where a , b and c are the length of the sides and c is the hypotenuse:

$$a^2 + b^2 = c^2$$

In any right-angled triangle ABC where a , b and c are the length of the sides and c is the hypotenuse:

$$\sin A = \frac{a}{c} \quad \cos A = \frac{b}{c} \quad \tan A = \frac{a}{b}$$

In any triangle ABC where a , b and c are the length of the sides:

$$\text{sine rule: } \frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\text{cosine rule: } a^2 = b^2 + c^2 - 2bc \cos A$$

$$\text{Area of triangle} = \frac{1}{2} ab \sin C$$

Compound Interest

Where P is the principal amount, r is the interest rate over a given period and n is number of times that the interest is compounded:

$$\text{Total accrued} = P \left(1 + \frac{r}{100} \right)^n$$

Quadratic formula

The solution of $ax^2 + bx + c = 0$ where $a \neq 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Probability

Where $P(A)$ is the probability of outcome A and $P(B)$ is the probability of outcome B :

$$P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$$

$$P(A \text{ and } B) = P(A \text{ given } B) P(B)$$

Perimeter, area and volume

Where a and b are the lengths of the parallel sides and h is their perpendicular separation:

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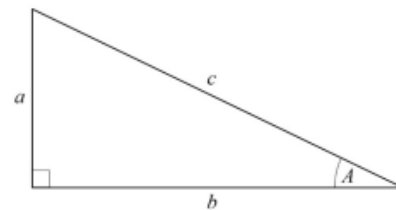
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Probability

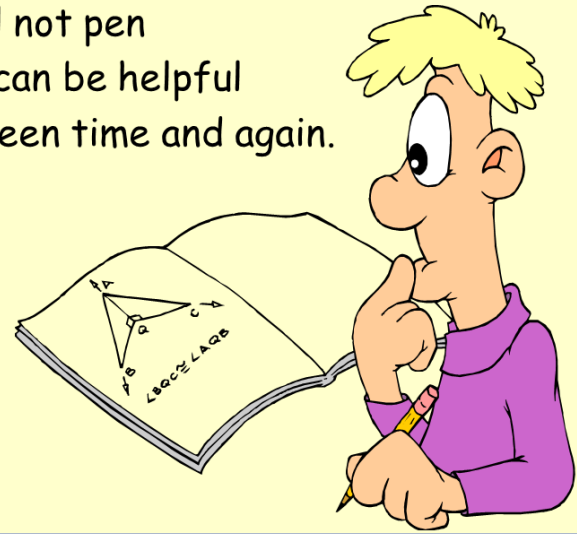
Where $P(A)$ is the probability of outcome A and $P(B)$ is the probability of outcome B :

$$P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$$

You can earn marks for working
If your answer is wrong.
So write down each process
It won't take too long!



Draw diagrams if needed
Use pencil not pen
A sketch can be helpful
And has been time and again.



This question has three marks
Available to you
So make sure your answer
Has three parts too

(ii) Describe fully the single transformation represented by the matrix $\begin{pmatrix} 1 & 0 \\ 1 & 1 \end{pmatrix}$.

Answer(c)(ii)

[3]

Some questions are real life
Involving measures and more
Answers are not just numbers
Units get the top score



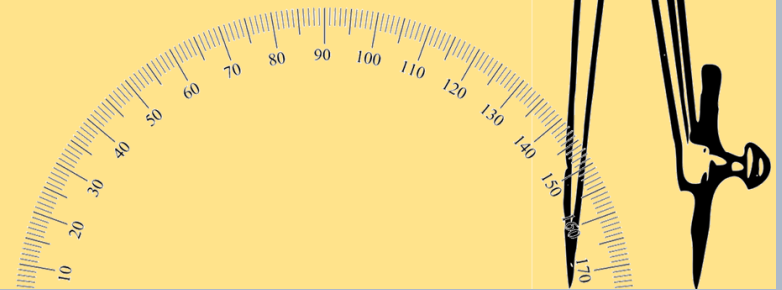
Kilometres per hour

The weight of
the kitten is
345 tonnes.



When you do get an answer
You've not finished at all
You should check if it feels right
Not too big or too small.

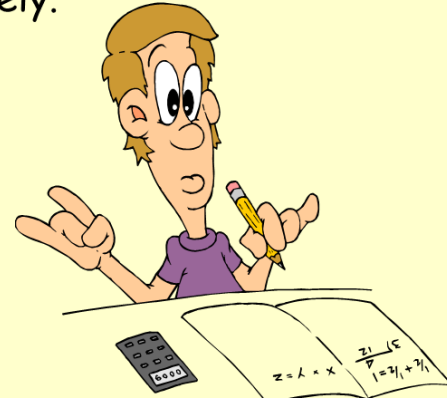
Get your equipment together
Long before you get there
Protractor, pen, pencils
And a compasses pair



You might finish early
Don't sleep or look around
Go over your answers
There could be
errors to be found



Don't round off your answers
Too prematurely
That will lose you some marks
And confidence surely.



Top tips for productive Maths revision:

Actually doing exercises and solving problems is much better than reading, watching or listening;

Variety is the spice of life! Try some past paper questions then change to working through an online exercise.
Play a mathematical game then make a key facts poster. Keep it interesting;

Get a friend, teacher, parent or answer book to check your work. You don't want to be practising incorrect methods do you?

- Assessment feedback Sheets

Students should have an assessment feedback sheet stuck in their books after every assessment they sit in Year 10 and 11. This is used to identify problematic topics and areas of weakness which require further practice.

Question	Mathematical Skill	Marks	All	Some	None	Next Steps <u>MyMaths</u>
1	Range	1				1203
2	Place value	1				1931
3	Negative numbers	1				1068,1069
4	Conversion	1				1061
5	Ratio of areas	2				1052
6(a)	Time conversion	2				1123
		2				1123

Log out Help Teacher Dashboard

Select Curriculum
GCSE 9-1 (England)

Library
Number
Algebra
Ratio and proportion
Geometry
Probability
Statistics
Revision and assessment
Activities
Games
Tools

Search results - MyMaths Portal Sort by Relevance

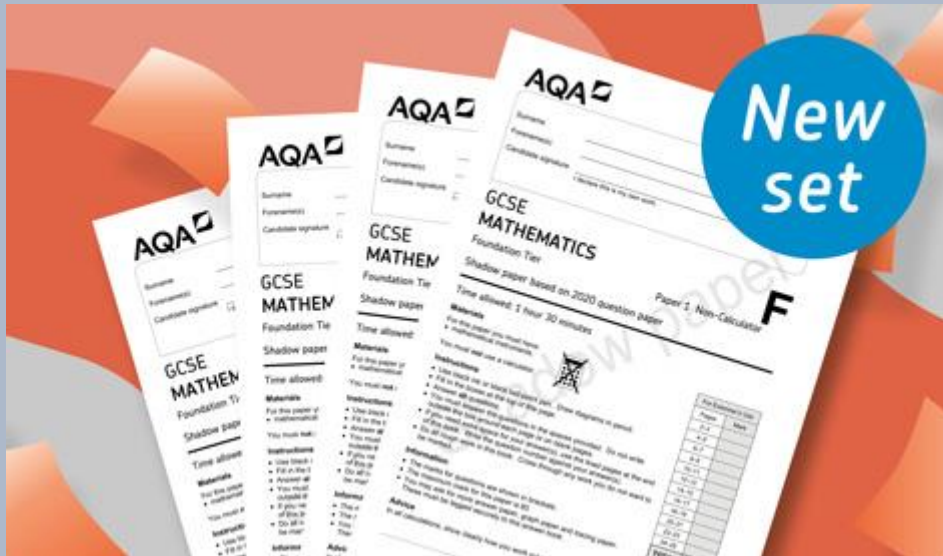
3 resources were found matching the search term:
1920
The most relevant resources are at the top of the list.

- G45 Algebra > Sequences > Geometric sequences 1 fh
Recognising and generating geometric sequences and finding rules. Including key vocabulary and real-world applications.
Lesson Online homework
- G45 GCSE booster pack: grades 4 and 5 > Sequences > Geometric sequences 1 fh
- G45 GCSE booster pack: grades 6 and 7 > Sequences > Geometric sequences 1 fh

- GCSE Past Papers

Students have access on Teams to GCSE past papers.

Students will also be given a number of past papers by their class teacher.



11 (a) A sequence starts 5 13 21 29

Circle the expression for the n th term.

$8 - 3n$ $8n + 5$ $8n - 3$ $5n + 8$

(1)

(b) The term-to-term rule for a different sequence is

Multiply the previous term by 2 then subtract 5

The second term in this sequence is $2x + 7$

The sum of the first three terms is 57

Work out the value of x .

Answer _____

(4)

(Total 5 marks)



GCSE MATHEMATICS

Practice Paper Foundation 1

Non-Calculator

These questions are from past papers covering topics and skills based on the advance information to help you prepare for the exams this summer.

Answer all questions in the spaces provided. You must **not** use a calculator.

Name:

Maximum marks: 80

Time allowed: 1 hour and 30 minutes

Resources



Mymaths.co.uk (Username : taverham Password : maths)



CorbettMaths.com (video demonstrations)



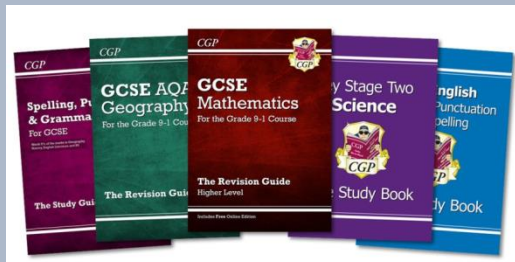
astarlearning.co.uk (video demonstrations)



mathsgenie.co.uk (graded questions by topic)



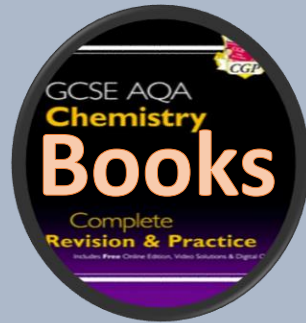
onmaths.com/revisionator (generates graded questions and marks them)



CPG Revision Guides / Practice Workbook / Revision Cards

Science Revision

Top tips



Matthew Hart
Head of Science Faculty
M.hart@taverhamhigh.org



What is your child studying and how are they assessed?



Combined Science	Separate (Triple) Science
2 GCSE grades	3 GCSE grades (one for each science)
AQA Trilogy Specification – 2 tiers available	AQA Biology, Chemistry and Physics Specifications 2 tiers available
<p>Exams: 6 papers:</p> <p>Paper 1: Chemistry (Topics C1-C5) 17th May</p> <p>Paper 1: Physics (Topics P1-P4) 22nd May</p> <p>Paper 1: Biology (Topics B1-B4) 10th May</p> <p>Paper 2: Chemistry (Topics C6-C10) 11th June</p> <p>Paper 2: Physics (Topics P5 – P7) 14th June</p> <p>Paper 2: Biology (Topics B5 – B7) 7th June</p> <p>All papers are 1 hour 15 mins each and have the same weighting</p>	<p>Exams: 6 papers</p> <p>Paper 1: Chemistry (Topics C1-C5)</p> <p>Paper 1: Physics (Topics P1-P4)</p> <p>Paper 1: Biology (Topics B1-B4)</p> <p>Paper 2: Chemistry (Topics C6-C10)</p> <p>Paper 2: Physics (Topics P5 – P8 – extra Space unit)</p> <p>Paper 2: Biology (Topics B5 – B7)</p> <p>All papers are 1 hour 45 mins each and have the same weighting</p>

12 Weeks from tomorrow

16 Weeks from tomorrow

One of the best ways to...
Know what you need to know
Discover areas of weakness

is to use...

Personalised learning checklists
Specifications
Past paper questions





Science Revision Zone ...

Specifications - Where are they?



aqa science trilogy specification



All

News

Images

Videos

More

Settings

Tools

About 587,000 results (0.42 seconds)

Science | GCSE | Combined Science: Trilogy - AQA

<https://www.aqa.org.uk> › subjects › gcse › combined-science-trilogy-8464 ▼

Combined **Science: Trilogy** is part of our **science** suite, developed with teachers to inspire and challenge students of all abilities and aspirations. (See also **GCSE Combined Science: Synergy**). ... This means that this **specification** is fully co-teachable with the separate **GCSE sciences**.

[Specification at a glance](#) · [Assessment resources](#) · [Teaching resources](#) · [Introduction](#)

^[PDF] GCSE Combined Science: Trilogy Specification Specification ...

<https://filestore.aqa.org.uk> › science › specifications › AQA-8464-SP-2016

Visit [aqa.org.uk/8464](https://www.aqa.org.uk/8464) for the most up-to-date **specification**, resources, support and ... So you can be confident that our **GCSE Combined Science: Trilogy** is ...



What do they look like?

GCSE COMBINED SCIENCE: TRILOGY

(8464)

Specification

For teaching from September 2016 onwards
For exams in 2018 onwards



6.1.1.1 Energy stores and systems

Content

A system is an object or group of objects.

There are changes in the way energy is stored when a system changes.

Students should be able to describe all the changes involved in the way energy is stored when a system changes, for common situations. For example:

- an object projected upwards
- a moving object hitting an obstacle
- an object accelerated by a constant force
- a vehicle slowing down
- bringing water to a boil in an electric kettle.

Throughout this section on Energy students should be able to calculate the changes in energy involved when a system is changed by:

- heating
- work done by forces
- work done when a current flows

Key opportunities for skills development

The link between work done (energy transfer) and current flow in a circuit is covered in [Work done and energy transfer](#) (page 146).

WS 4.5



Science Revision Zone ...

Learning checklists

AQA Physics (8463) from 2016 Topics P4.1. Energy					
Topic	Student Checklist	R	A	G	
Chapters 1 and 2 – Conservation and dissipation of energy Energy transfer by heat	Define a system as an object or group of objects and state examples of changes in the way energy is stored in a system				
	Describe how all the energy changes involved in an energy transfer and calculate relative change in energy when the heat, work done or flow of charge in a system changes				
	Use calculations to show or compare how energy in a system is distributed				
	Calculate the kinetic energy of an object by recalling and applying the equation: $[E_k = \frac{1}{2}mv^2]$				
	Calculate the amount of elastic potential energy stored in a stretched spring by applying, but not recalling, the equation: $[E_e = \frac{1}{2}ke^2]$				
	Calculate the amount of gravitational potential energy gained by an object raised above ground level by recalling and applying, the equation: $[E_g = mgh]$				
	Calculate the amount of energy stored in or released from a system as its temperature changes by applying, but not recalling, the equation: $[\Delta E = mc\Delta\theta]$				
	Define the term 'specific heat capacity'				
	Required practical 1: investigation to determine the specific heat capacity of one or more materials.				
	Define power as the rate at which energy is transferred or the rate at which work is done and the watt as an energy transfer of 1 joule per second				
	Calculate power by recalling and applying the equations: $[P = E/t \text{ \& } P = W/t]$				
	Explain, using examples, how two systems transferring the same amount of energy can differ in power output due to the time taken				
	State that energy can be transferred usefully, stored or dissipated, but cannot be created or destroyed and so the total energy in a system does not change				
	Explain that only some of the energy in a system is usefully transferred, with the rest 'wasted', giving examples of how this wasted energy can be reduced				
	Chapter 3 – Energy Resources	Explain ways of reducing unwanted energy transfers and the relationship between thermal conductivity and energy transferred			
		Describe how the rate of cooling of a building is affected by the thickness and thermal conductivity of its walls			
Required practical 2: investigate the effectiveness of different materials as thermal insulators and the factors that may affect the thermal insulation properties of a material.					
Calculate efficiency by recalling and applying the equation: $[\text{efficiency} = \text{useful power output} / \text{total power input}]$					
HT ONLY: Suggest and explain ways to increase the efficiency of an intended energy transfer					
List the main renewable and non-renewable energy resources and define what a renewable energy resource is					
Compare ways that different energy resources are used, including uses in transport, electricity generation and heating					
Explain why some energy resources are more reliable than others, explaining patterns and trends in their use					
Evaluate the use of different energy resources, taking into account any ethical and environmental issues which may arise					
Justify the use of energy resources, with reference to both environmental issues and the limitations imposed by political, social, ethical or economic considerations					

Identify and describe scalar quantities and vector quantities

R	A	G



Science Revision Zone ...

Google

aqap



past paper

Mark scheme (Fo

- Mark s
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- Question
- Question
- Question

0 1 2



44.9 KB)

exams.

[3 marks]

Do not write outside the box

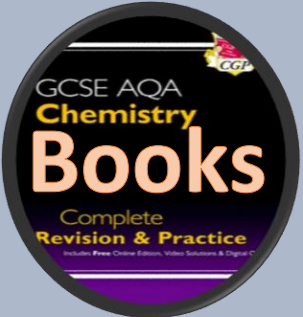
te

Four dropdown menus with blue arrows pointing down, used for selecting answers.

Act on area of weakness

- Revision guides
- Revision knowledge mats
- Revision videos
- Seneca
- BBC Bitesize
- Independence booklets
- Revision sessions
- Contact teachers

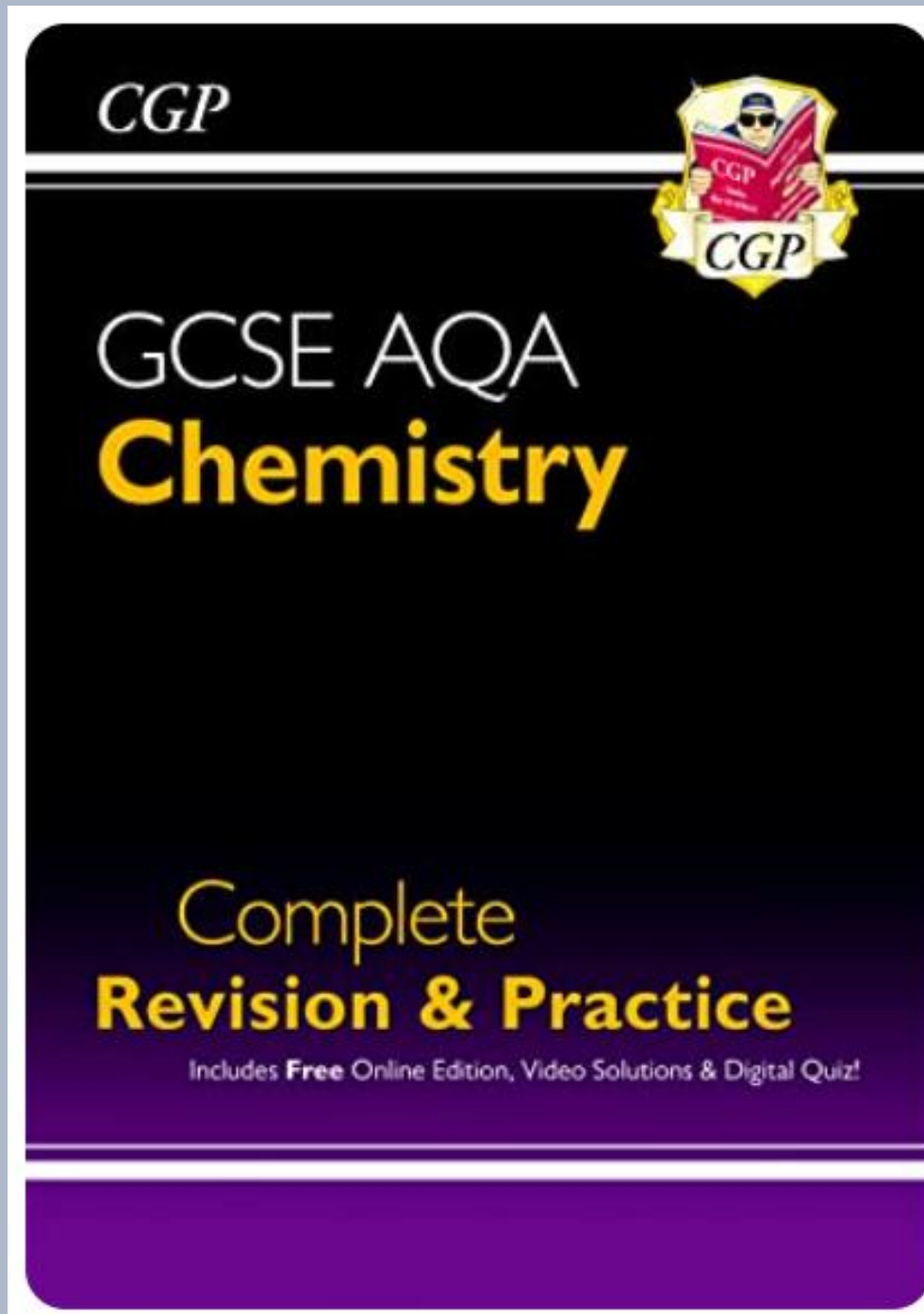




Revision guides
Practice books

AQA 9-1 exam

Science
department sells
CGP books at
roughly 50% RRP





Revision knowledge mats

PIXL Partners in excellence

Each Kg

Unit	
Kilo	
Mega	

Force

Force	
Contact force	
Non-contact force	

Resolving forces

Resolving forces	
------------------	--

The component forces

Additional strength

Centre of mass

Gravity

Resultant

PHYSICS ONLY

Free

Object mass

10N **5N** **1N**

Forces and their interactions

Scalar and vector quantities

AQA FORCES – part 1

Contact and Resultant forces

Work done and energy transfer

Forces and elasticity

PHYSICS ONLY

$M = F \times d$

Moments, levers and gears

Moment =

One force

More than one force

Two balance

Two balanced

Three balanced

Limit of proportionality

Elastic deformation

Inelastic deformation

Extension

Stretching a spring

Elastic Potential energy (EPE)

Pressure

HIGHER ONLY

Pressure =

Fluid

Pressure and depth

$P = F \div A$

Upthrust

Hydraulic machine

Atmospheric pressure

Force	
Spring constant	
Extension	
EPE	

Scalar

Vector

An arrow can be used to show vectors

10N

Velocity

Distance

Displacement

Area

Weight

Mass

Gravitational field strength

Force

Work done

Distance

Moment

Pressure =

Gears

Principle of moments

Level

Area

Weight

Mass

Gravitational field strength

Force

Work done

Distance

Moment

Pressure =

Fluid

Pressure and depth

$P = F \div A$

Upthrust

Hydraulic machine

Atmospheric pressure

Force

Spring constant

Extension

EPE

Work done

Work done

If force is at right angles



YouTube

Search



The whole of AQA Physics Paper 1 in only 40 minutes!!

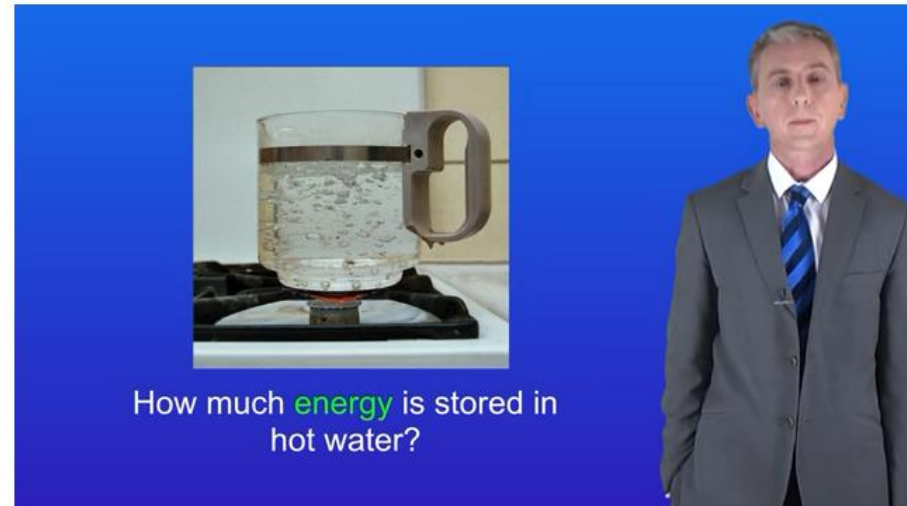
YouTube

Revision videos

free science lessons specific heat capacity

Primrose Kitten

Free Science Lessons



GCSE Science Physics (9-1) Specific Heat Capacity



SENECA BETA

Chemistry: AQA GCSE Higher

- 1.1 Atoms & Elements
 - 1.1.1 Elements & Compounds**
 - 1.1.2 Chemical Reactions & Equations
 - 1.1.3 Mixtures
 - 1.1.4 Model of the Atom
 - 1.1.5 Atom Size & Number
 - 1.1.6 Isotopes
 - 1.1.7 Periodic Table
 - 1.1.8 Noble Gases & Halogens
 - 1.1.9 Alkali Metals
 - 1.1.10 Transition Metals
- > 2 Chemical Bonding
- > 3 Share Free Teacher CPD Course

Feedback? ● ○ ○ Typing Speed: x1.0

Continue

Fe is the chemical symbol for the element iron.

New

Compounds

1/3

Atoms of different elements can be combined together to create compounds. Compounds have formulae that are made by combining the chemical symbols of the elements that combine to make them.

Different compounds

- Combining different atoms creates different compounds. There are a lot of combinations that can be created.
- A compound contains at least 2 different elements.

Feedback? ● ○ ○ Typing Speed: x1.0

Continue

Seneca - website



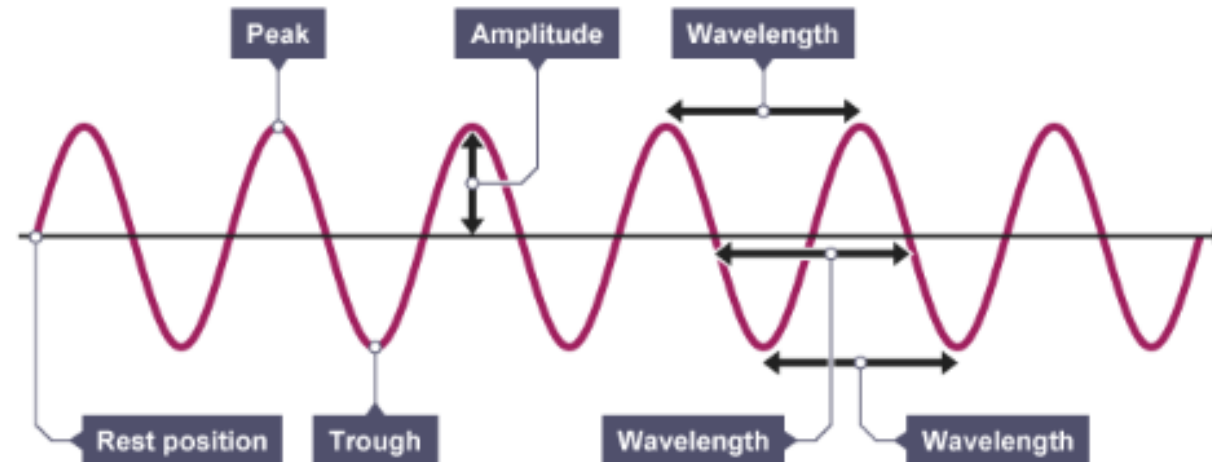
B B C B i t e s i z e

Parts of a wave

Waves are described using the following terms:

- **rest position** - the undisturbed position of particles or fields when they are not vibrating
- **displacement** - the distance that a certain point in the medium has moved from its rest position
- **peak** - the highest point above the rest position
- **trough** - the lowest point below the rest position
- **amplitude** - the maximum displacement of a point of a wave from its rest position
- **wavelength** - distance covered by a full cycle of the wave, usually measured from peak to peak, or trough to trough
- **time period** - the time taken for a full cycle of the wave, usually measured from peak to peak, or trough to trough
- **frequency** - the number of waves passing a point each second

Diagram of a wave





QUESTION:	What is a radioactive substance?
Sources:	Website – 1. https://www.youtube.com/watch?v=V-UtgheMNU 2. http://www.darvill.clara.net/nucrad/types.htm
	<ol style="list-style-type: none"> 1. A radioactive substance contains unstable nuclei that become stable by emitting radiation. 2. There are three main types of radiation – alpha, α, beta, β and gamma, γ. 3. Radioactive decay is random – it cannot be predicted. 4. All radioactive sources emit alpha, beta and gamma radiation. 5. A Geiger counter is used to measure the amount of radioactivity given off by a substance.

The Risks of Radiation Therapy

News article: <https://www.cheatsheet.com/health-fitness/these-popular-cancer-treatments-have-the-most-dangerous-side-effects.html/?a=viewall>

NHS article: <http://www.nhs.uk/Conditions/Radiotherapy/Pages/Introduction.aspx>

Discussion article: <https://health.usnews.com/health-news/patient-advice/articles/2015/05/22/radiation-evolving-choices-in-cancer-treatment>

Real article: <http://www.cancerresearchuk.org/about-cancer/cancer-in-general/treatment/radiotherapy/follow-up/long-term-side-effects>

Task 1:

You need to produce a 1 page essay on the risks surrounding radiation therapy.

Essay section	Activity
Introduction	What is radiation therapy? What is radiation therapy used to treat?
Describe	Describe how radiation therapy would be conducted using a specific type of tumor, e.g. brain, breast, liver.
Explore	Explore the risk associated with having radiation therapy.
Evaluate	Evaluate whether the benefit outweighs the risk for the patient.

Compare nuclear fission and nuclear fusion, their role in generating energy and their long-term futures.

Background

Both fission and fusion are nuclear reactions that produce energy, but that is where their similarities end. Fission is the splitting of a heavy, unstable nucleus into two lighter nuclei, and fusion is the process where two light nuclei combine together releasing vast amounts of energy. Both have a place in the energy generation industry but, where is it?

Source articles

- <http://www.passmyexams.co.uk/GCSE/physics/nuclear-fusion.html>
- <http://www.passmyexams.co.uk/GCSE/physics/nuclear-fission.html>
- <http://www.gcscience.com/prad37-nuclear-power-moderator-control-rod.htm>
- <http://www.passmyexams.co.uk/GCSE/physics/nuclear-reactor.html>
- <https://www.youtube.com/watch?v=LekacMuM12Y>
- <https://www.youtube.com/watch?v=mZsaaturR6E>
- http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway_pre_2011/living_future/3_fuels_for_power3.shtml
- <http://www.bbc.co.uk/education/clips/zvmcd2p>
- <http://www.world-nuclear.org/information-library/current-and-future-generation/outline-history-of-nuclear-energy.aspx>
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4678124/>

Use other sources as necessary.

Task:

Produce a scientific poster on the role of nuclear fission and nuclear fusion in the generation of energy.

Session 1

Click on the session 1 button and write the answers in your revision exercise book. If you are unsure of the facts in the topic go through the knowledge test questions and then mark it using the knowledge test answers.

Session 1

Knowledge test questions

Knowledge test answers

Required Practical

Click on the required practical button. Write details about the practical. Including : Method, Variables, Equipment, Diagram, Results Table, How you use your results and a Conclusion.

Required Practical - Microscope

Required Practical - Osmosis

Optional - Above and Beyond

If you want to really test yourself complete the shorter questions below to show real understanding.

Above and Beyond Foundation

Above and Beyond Higher



**You're
Awesome!**



YOU'VE GOT THIS!

memegenerator.net

be possible to email me the learning checklists for the physics topics so that I could print them out?

anks and happy new year!



Preparing for GCSE English language and literature

Ms J. Webb – Head of English Faculty

English Department

Year 11 Revision Evening



English Language		English Literature	
<p><u>Paper 1</u></p> <p>Explorations in Creative Reading and Writing</p> <p>Fiction Text</p> <p>1hr 45 mins</p> <p>23rd May (am)</p>	<p><u>Paper 2</u></p> <p>Writers' Viewpoints and Perspectives</p> <p>Non-Fiction Texts</p> <p>1hr 45 mins</p> <p>06th June (am)</p>	<p>40%</p> <p><u>Paper 1</u></p> <p>Shakespeare & The 19th Century Novel</p> <ul style="list-style-type: none"> - Macbeth - A Christmas Carol <p>1hr 45 mins</p> <p>13th May (am)</p>	<p>60%</p> <p><u>Paper 2</u></p> <p>Modern Texts & Poetry</p> <ul style="list-style-type: none"> - An Inspector Calls - Power & Conflict - Unseen Poetry <p>2hr 15 mins</p> <p>20th May (am)</p>

English Department

Year 11 Revision Evening



English Language

Paper 1

Explorations in Creative Reading and Writing Fiction

1hr 45 mins

Section A	Reading
Q1	Comprehension
Q2	Language analysis
Q3	Structure analysis
Q4	Evaluation
Section B	Writing
Q5	Description or Narrative

Paper 2

Writers' Viewpoints and Perspectives Non-Fiction

1hr 45 mins

Section A	Reading
Q1	Comprehension
Q2	Comparative Summary
Q3	Language analysis
Q4	Comparing writers Viewpoints and Perspectives
Section B	Writing
Q5	Opinion Writing

Comparative paper with 2 sources to read

English Department

Year 11 Revision Evening



English Language – How can I revise?

Paper 1

- Novel extracts
- Short stories

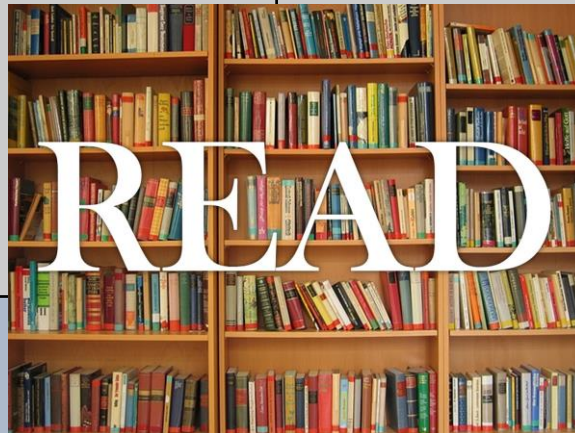
Focus on openings, endings, descriptive parts, settings, and characters.

C20th or
C21st

Paper 2

- Letters
- Journals
- Diary entries
- Speeches
- Articles
- Travel writing

C19th
+
C20 or
C21st

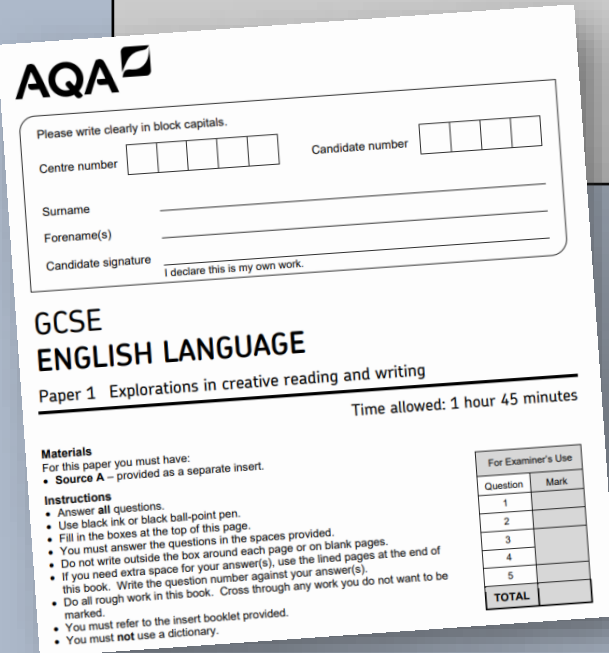


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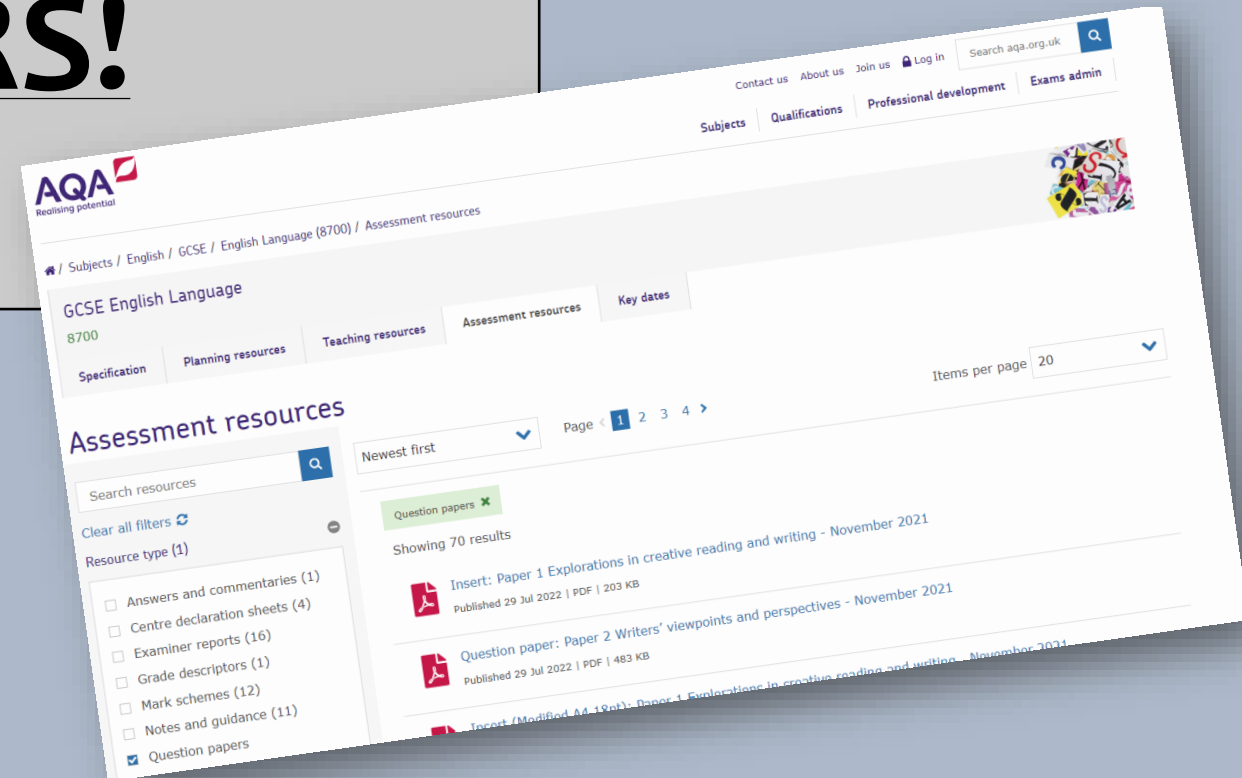
English Language – How can I revise?

PAST PAPERS!



Available on the AQA [website](https://www.aqa.org.uk).

Pupils can ask their English teacher if unsure.



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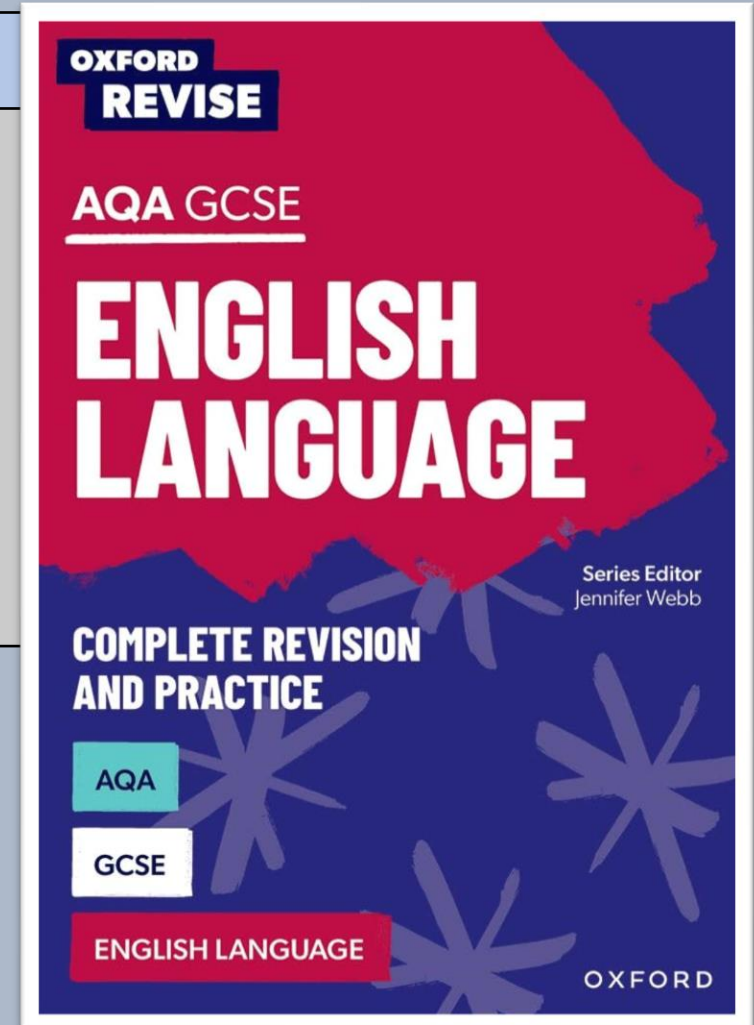
English Language – How can I revise?

Revision Guide

You can order a copy of this excellent publication – Oxford Revise AQA GCSE English Language – **via Wisepay**. Order by **07.03.24**

RRP £10.99

School-based price £5.50



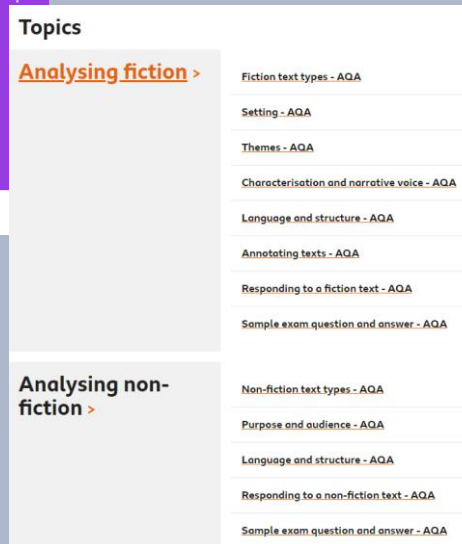
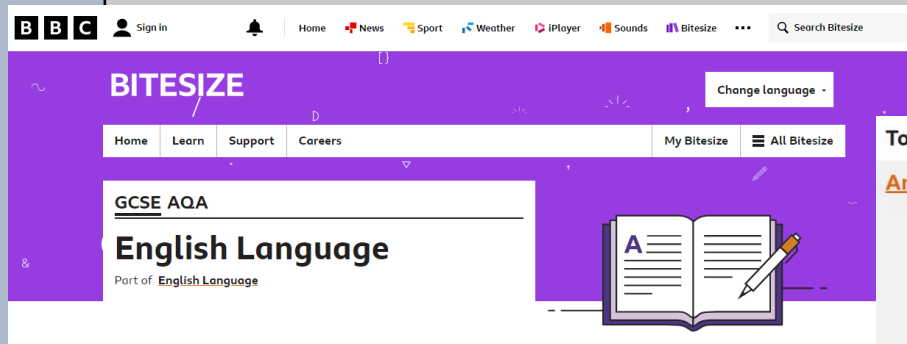
Click [here](#) for a look inside.

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English Language – How can I revise?

Websites



[Bitesize](#) has a great range of reading, videos and quizzes on each language paper.

Class teachers can allocate topics to pupils, or they can log in and search for relevant quizzes.

English Department

Year 11 Revision Evening



English Literature

Paper 1

Shakespeare & The 19th Century Novel

Section A	
Macbeth	Extract based essay question (closed book)
Section B	
A Christmas Carol / Jekyll & Hyde	Extract based essay question (closed book)

Paper 2

Modern Texts & Poetry

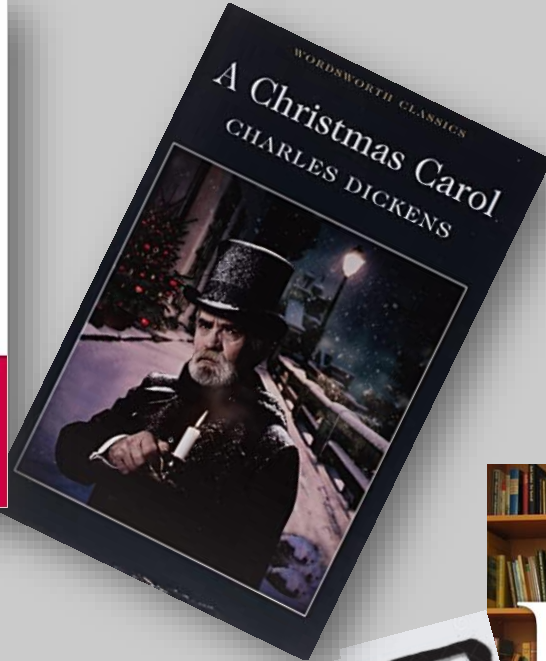
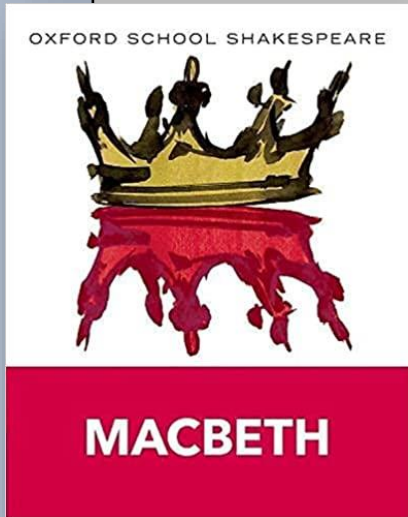
Section A	
An Inspector Calls	Essay question no extract (closed book)
Section B	
Power & Conflict Poetry	Comparative essay question exploring a theme in named poem (provided) and one other (not)
Section C	
Unseen poetry	Essay question on theme (poem provided)
Unseen comparison	Essay comparing 2 unseen poems

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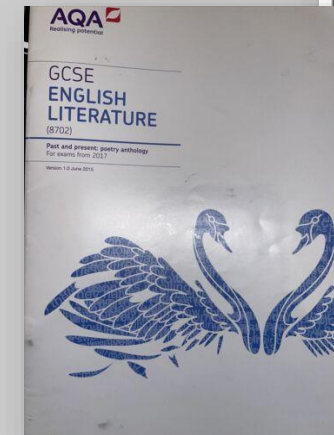
English Literature – How can I revise?

Paper 1



Paper 2

- Unseen poems



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English Literature – How can I revise?

PAST PAPERS!



GCSE ENGLISH LITERATURE

Paper 2 Modern Texts and Poetry

Thursday 23 May 2019 Morning Time allowed: 2 hours 15 minutes

Materials

For this paper you must have:

- an AQA 16-page answer book.

Instructions

- Use black ink or black ball-point pen. Do not use pencil.
- Write the information required on the front of your answer book. The **Paper Reference** is 8702/2.
- Answer **one** question from **Section A**, **one** question from **Section B** and **both** questions in **Section C**.
- You must **not** use a dictionary.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 96.
- AO4 will be assessed in **Section A**. There are 4 marks available for AO4 in **Section A** in addition to 30 marks for answering the question. AO4 assesses the following skills: use a range of vocabulary and sentence structures for clarity, purpose and effect, with accurate spelling and punctuation.
- There are 30 marks for **Section B** and 32 marks for **Section C**.

Available on the AQA [website](#).

Pupils can ask their English teacher if unsure.

The screenshot shows the AQA website interface for GCSE English Literature (8702) assessment resources. It includes a search bar, a filter for 'Question papers', and a list of results. The first result is 'Question paper: Paper 1P Poetry anthology - November 2021', published on 29 Jul 2022, in PDF format, 306 KB. The second result is 'Question paper (Modified A4 18pt): Paper 1P Poetry anthology - November 2021', also published on 29 Jul 2022, in PDF format, 182 KB. The page also shows navigation links for 'Subjects', 'Qualifications', and 'Professional development'.

CAUTION!

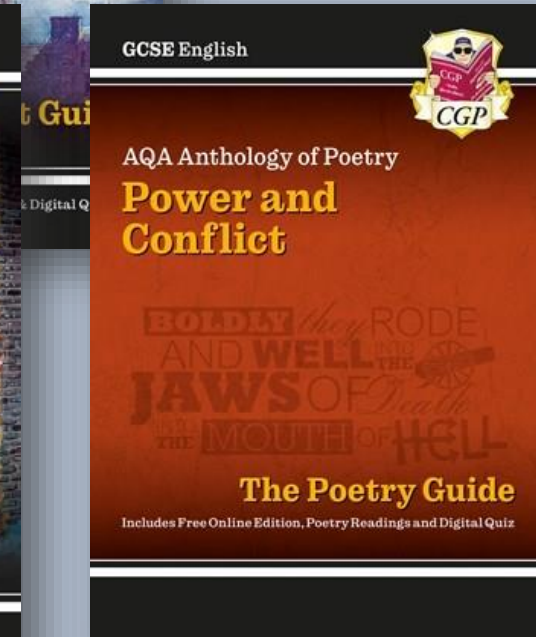
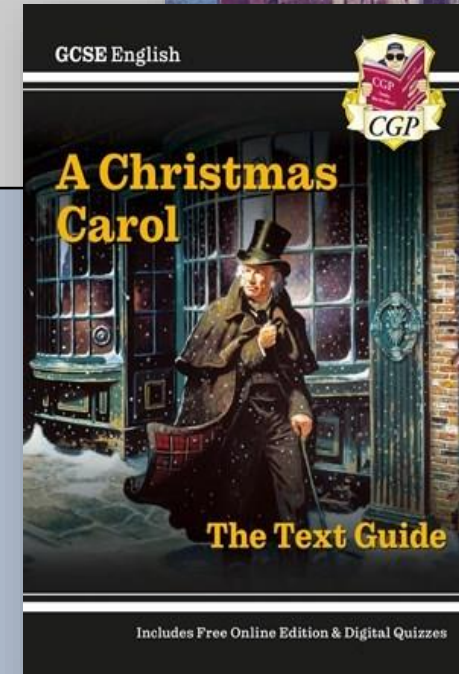
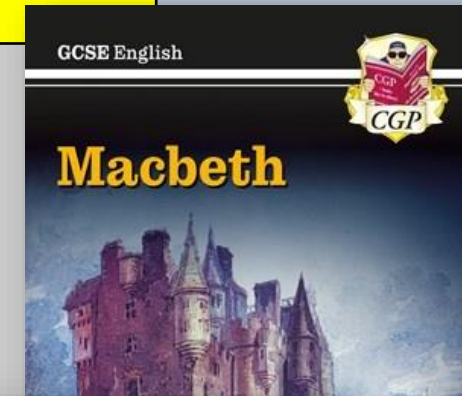
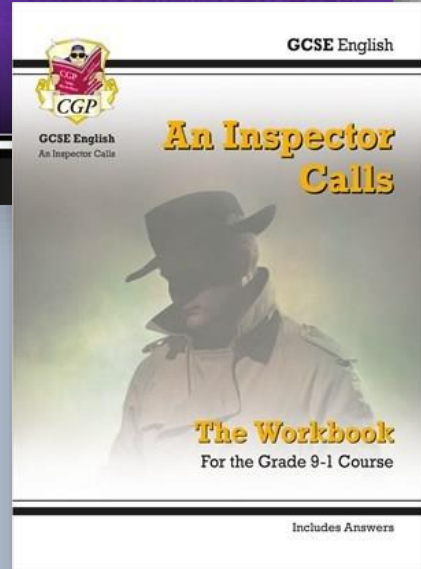
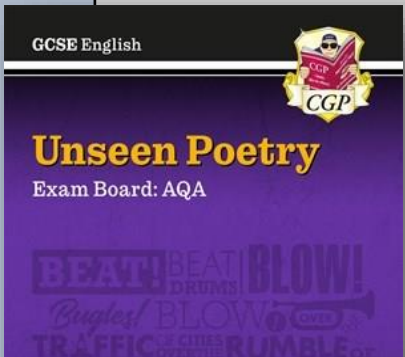
The 2022 papers were structured differently due to COVID.

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English Literature – How can I revise?

Revision Guides



[CGP](#) have a great range at excellent value.

Average cost £5-7 per book.

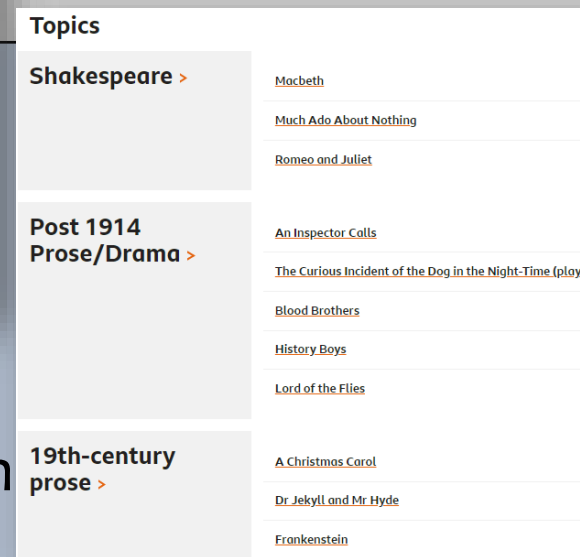
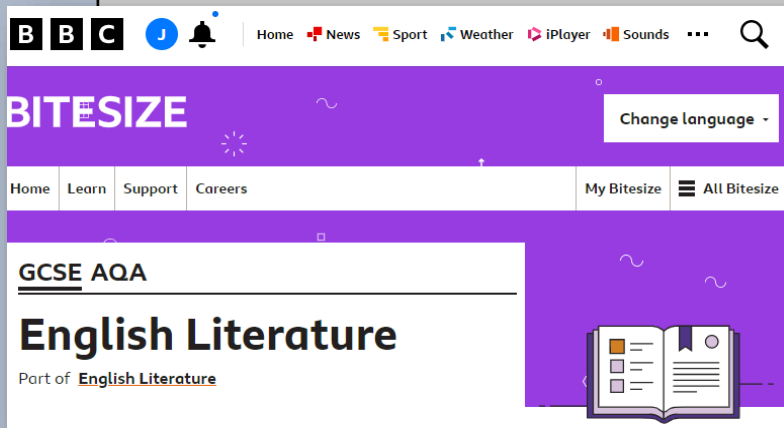
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English Literature – How can I revise?

Websites

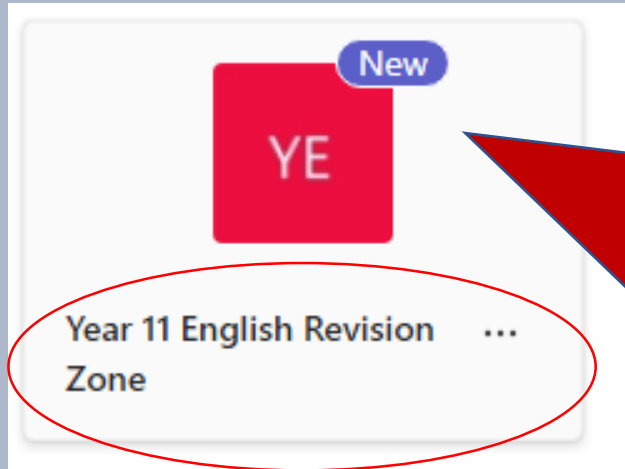


Class teachers can allocate topics to pupils, or they can log in and search for relevant quizzes.

[Bitesize](#) has a great range of reading, videos and quizzes on each language paper.

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**New
TEAMS area
specifically
for English
Revision!**

YouTube:

Mr Bruff -

<https://www.youtube.com/channel/UCM2vdqz-7e4HAuzhpFuRY8w>

Famous Speeches -

– watch and analyse Barack Obama, Emma Watson, Maya Angelou, Greta Thunberg, Martin Luther King etc.

Mr Sallis -

<https://www.youtube.com/@MrSallesTeachesEnglish>

Royal Shakespeare Company -

<https://www.youtube.com/watch?v=jPa2rKXDQP0&list=PLolOYEplfPsloAacNeATvlaQKlk7Q2lyf>

Any further questions, please get in touch:

j.webb@taverhamhigh.org

m.hollis@taverhamhigh.org

Discussion

- How do you currently feel about revision for your GCSEs?
 - Have you started or are you putting it off?
 - Do you know what to do?
 - Have you got a plan in place?

What is the one thing that you should prioritise now to ensure effective revision for your GCSEs?

THERE IS STILL
TIME!!!



“The bad news is that from now onwards time flies,
the good news is you’re the pilot!”