

# Welcome



**Year 11 Supporting Success  
Evening**



**Together**

**we can...**

**We have INFLUENCE  
because of our  
TOGETHERNESS that we  
cannot have alone**



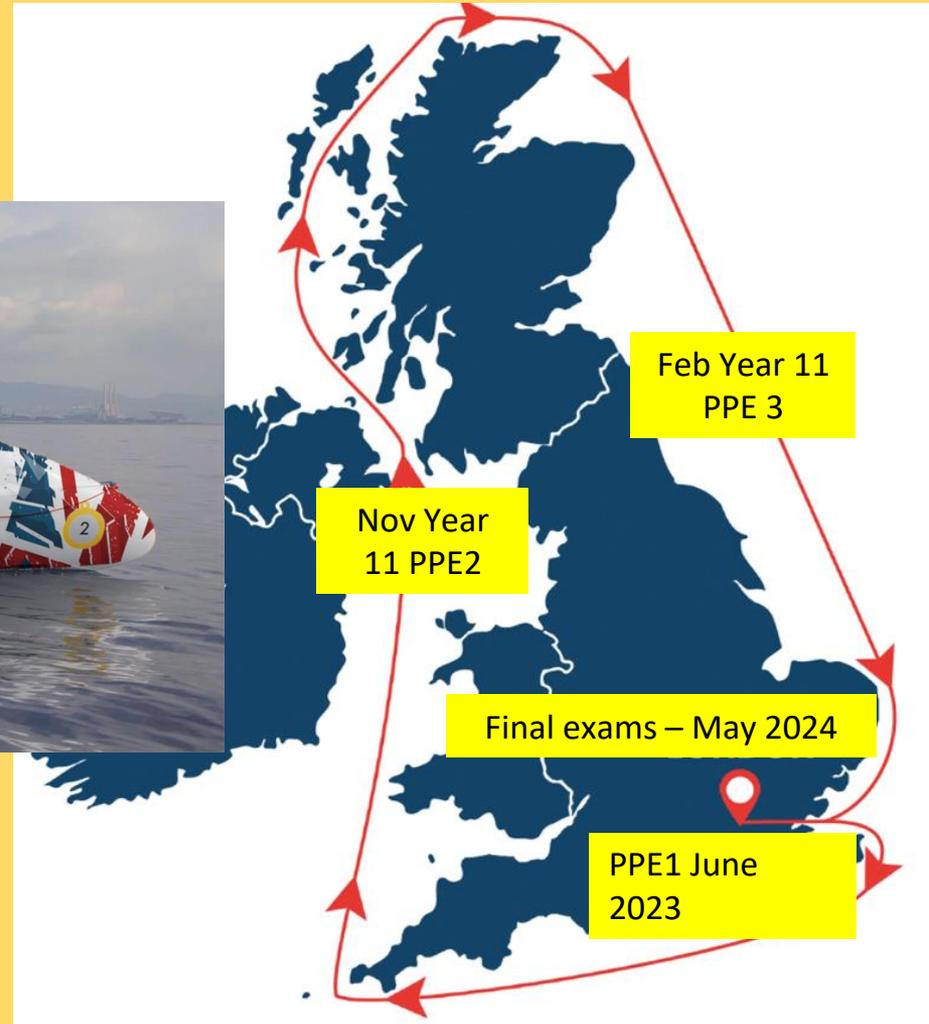


**GCSE Exams 2024**

**The climb**

**Rowing the British Isles**

# The challenge

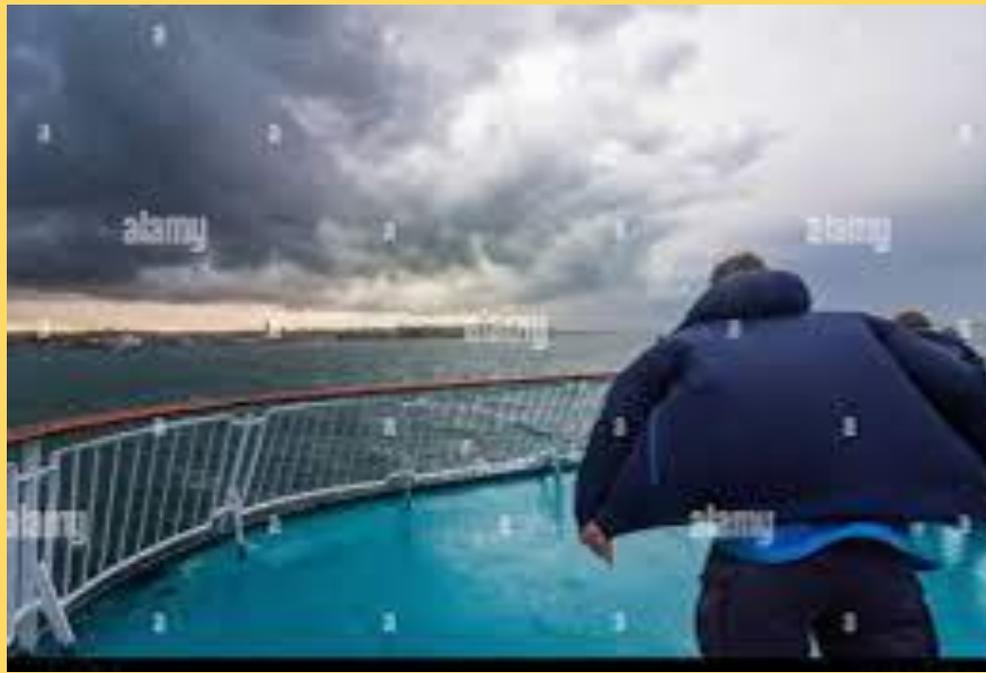
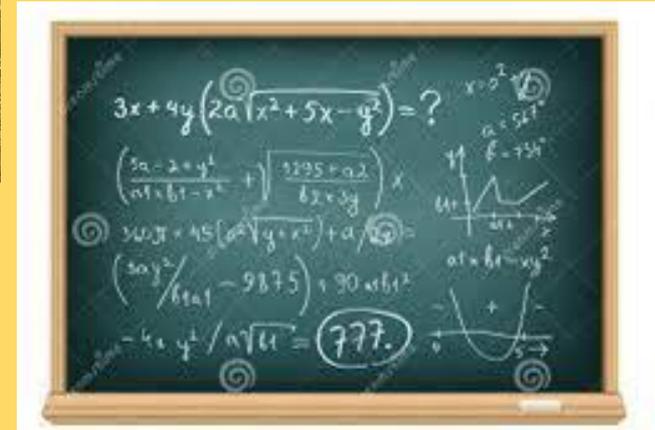
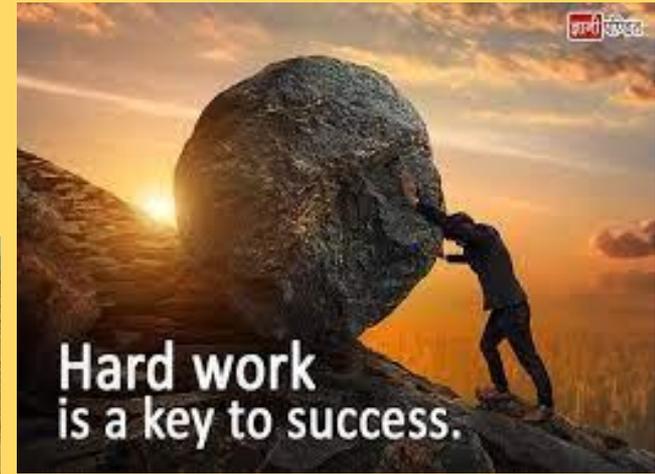


# Calm periods



Gower peninsula,  
Wales

# Headwinds



# Choppy waters

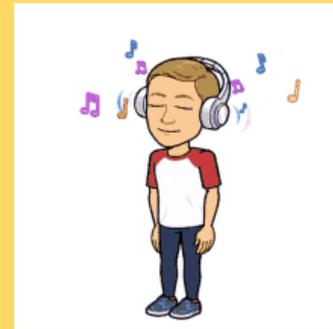


NW Scotland

# Beware of dangers



Hidden rocks off Cornwall



# Dangerous creatures





**Beware of Pirates**



# Maths GCSE

## outcomes over time

Maths GCSE results (England, age 16)

Grade	2019	2018	2017
9	3.7	3.6	3.5
8	7.2	6.9	6.8
7	9.5	9.5	9.6
6	11.5	11.9	11.1
5	18.2	18.5	18.7
4	21.4	20.6	21
3	12.7	12.9	12.4
2	8.6	8.9	8.8
1	5.4	5.4	6.2

Results in 2024  
will be set at  
2019 pass rates

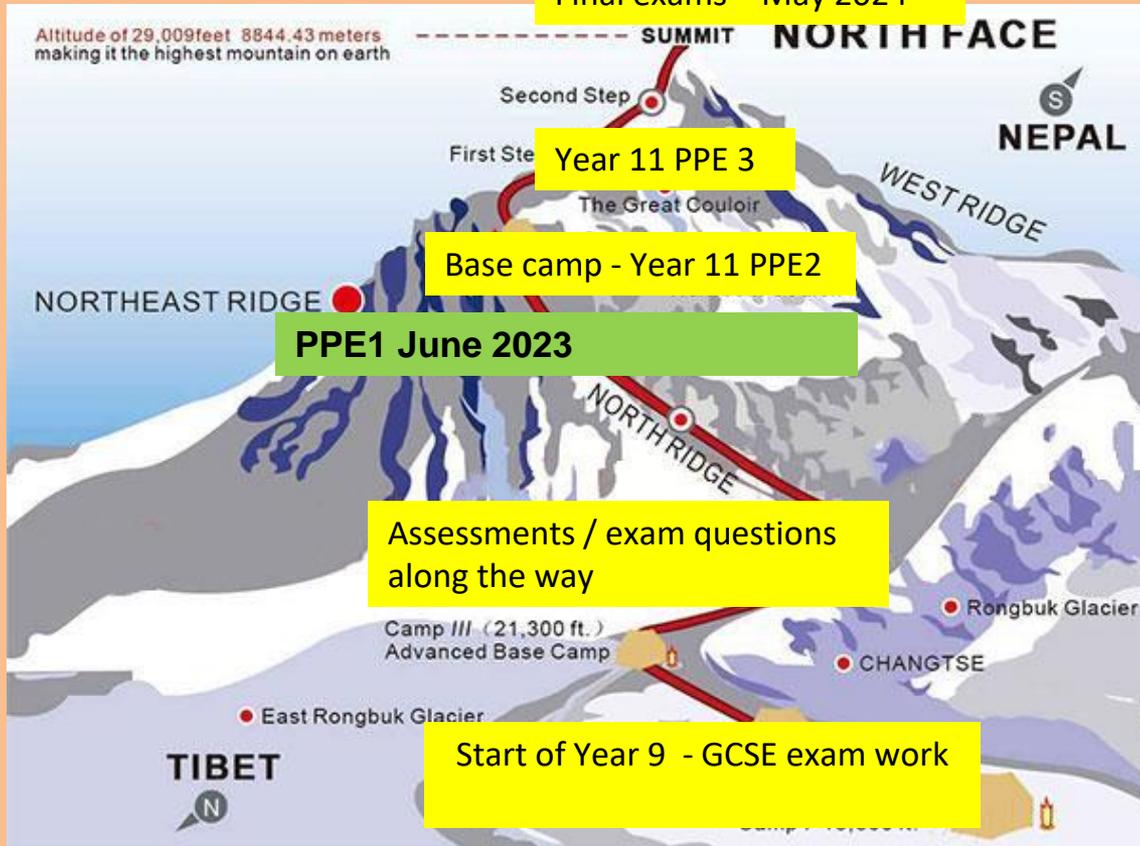
SHS students are  
competing for  
these grades  
nationally

# English Language GCSE results

Grade	2019	2018	2017
9	2.8	2.6	2.6
8	5.5	5.2	5.2
7	9.1	9.7	9
6	16.4	16.2	16.6
5	19.6	19.6	19.9
4	17.1	16.8	16.6
3	19.1	19.2	18.7
2	6.8	7.1	7.7
1	2.6	2.6	2.7

# From Base Camp to Summit

Final exams – May 2024



# PPEs

- PPE 2 will be 27<sup>th</sup> Nov– 1<sup>st</sup> Dec  
1 week of exams  
Strategic and specific GCSE questions
- PPE 3 will be February 5<sup>th</sup> – 23<sup>rd</sup>  
Feb  
Full sets of papers  
As close to the real thing

# Student Progress Report Cards

## Progress Card: PPE1

Name: XXXXXX Form:XX

Subject	FFT20 Estimate End of Y11	Predicted End of Y11 Grade Summer 2022	PPE Result July 2022
English Language	7-	7	8
English Literature	6+	N/A	6
French	6+	6	6
History	7=	7	6
Mathematics	6+	6	5
Photography	7=	7	7
Science Combined	6-	5-5	5-5
Theory PE	6+	5	3
Progress 8 Score: +0.58			

# Attendance v results

Attendance groups	Number of students	Average GCSE grade at Sherburn High School	Value added
Above 95%	83	5.7	● +0.5
90.1 - 95%	32	4.8	0.0
80.1 - 90%	23	4.1	0.0
50.1 - 80%	10	3.3	● -0.9
0 - 50%	1	3.4	● -2.1

# Where can my results take me?

- Level 2 course – GCSE grades 1 -9
- Level 3 course – A levels, Level 3 Diploma,  
Level 3 Apprenticeship



**Level 3 courses = 5 GCSEs at 4, or  
above, including Maths and English  
Language**

# The good news!

	Sherburn High School 2023	National average
Grade 4+ in English and Maths	76%	67%
Grade 5+ in English and Maths	58%	47%
Grade 7+ in English	22%	20%
Grade 7+ in Maths	34%	20%

# PROGRESS 8

## 2019 - 2023

2019	2020	2021	2022	2023
+0.10	+0.13	+0.05	+0.44	+0.25



# English Revision

English Language



# ENGLISH SUPPORTING SUCCESS



# GCSE English

Students will complete **two separate** GCSEs in English.

**AQA** English Language:  
Reading and Writing skills



**EDUQAS** English Literature:  
Exploration and analysis of a range of texts.



# GCSE English LANGUAGE

Students will have **two exams** at the end of Year 11.

## **Component 1: 50%**

Section A: Students read and respond to a fiction text extract

Section B: Students write their own short story

## **Component 2: 50%**

Section A: Students read and respond to two non-fiction texts

Section B: Students write two of their own non-fiction texts.

# How to revise English LANGUAGE



# GCSE English LANGUAGE

So what **CAN** you do to revise English Language?

1. Read, Read, Read! It doesn't matter what you read, just make sure you're reading.
2. Be Proactive! If you've been told for years that your apostrophes aren't right – now is the time to learn how to use these properly.

# GCSE English LANGUAGE



# GCSE English **LITERATURE**

Students will have **two exams** at the end of Year 11.

## **Component 1: 40%**

Section A: Students answer two questions on **HENRY V**

Section B: Students answer two questions on **POETRY ANTHOLOGY**

## **Component 2: 60%**

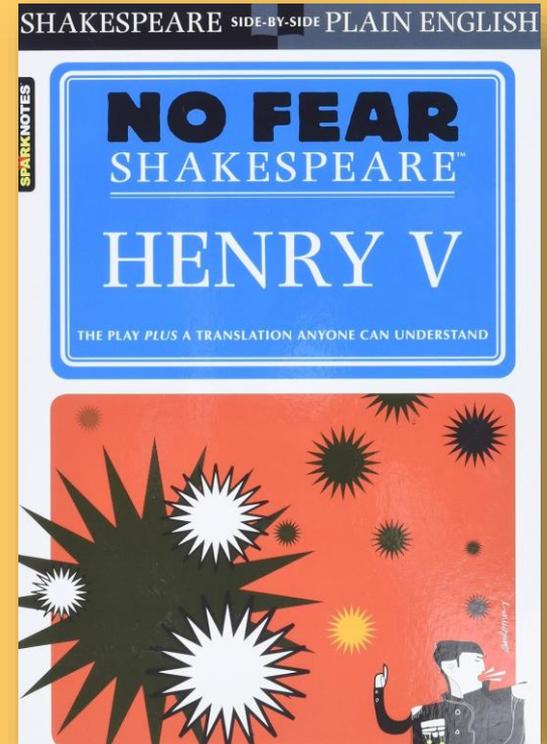
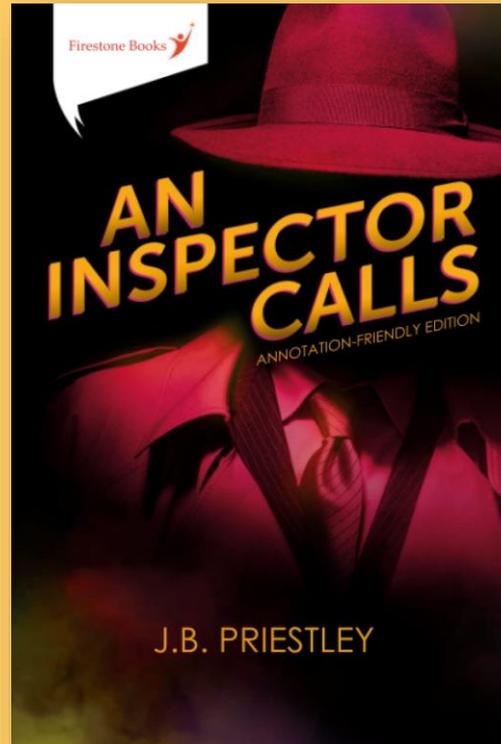
Section A: Students answer one question on **AN INSPECTOR CALLS**

Section B: Students answer one question on **A CHRISTMAS CAROL**

Section C: Students answer two questions on **UNSEEN POETRY**

# GCSE English LITERATURE

Get your own copy of the texts:

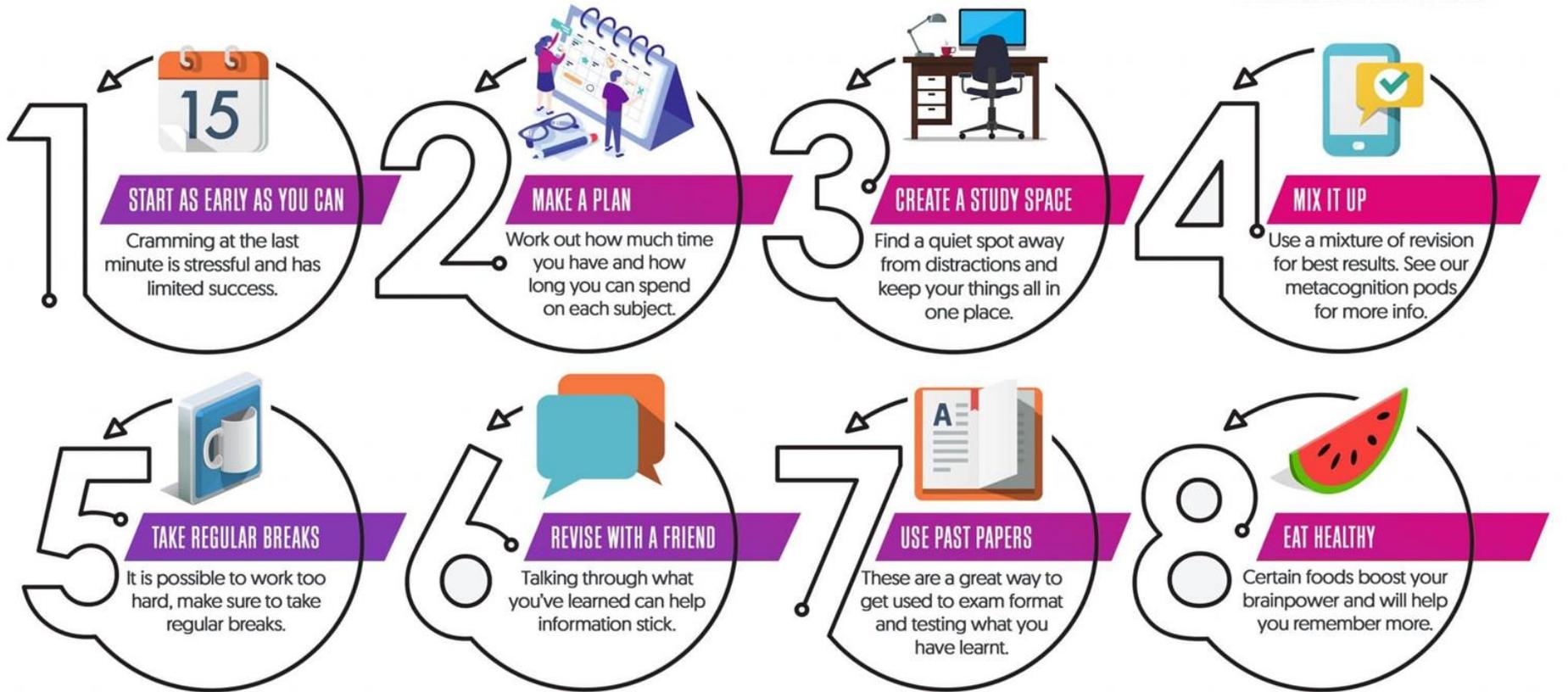


# GCSE English LITERATURE

How to revise for English Literature:

1. Flashcards – especially good for quotations
2. Revision grids
3. Mindmaps
4. Group revision
5. Practice questions
6. Note taking
7. Re-reading the texts ... again and again
8. Planning your time

# GCSE English LITERATURE



Revision Guides ParentPay

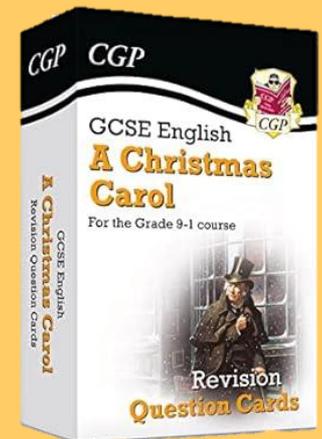
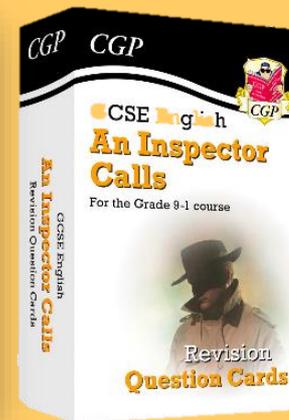
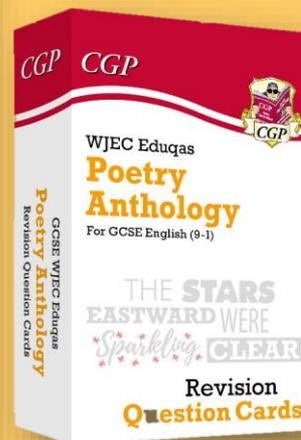
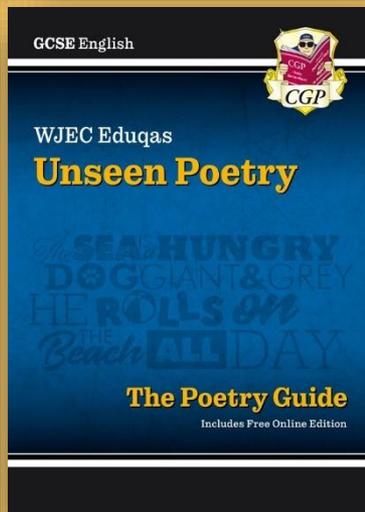
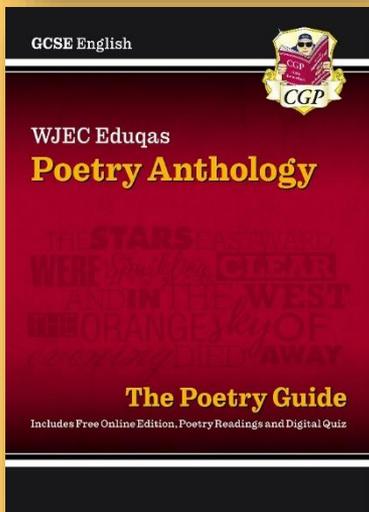
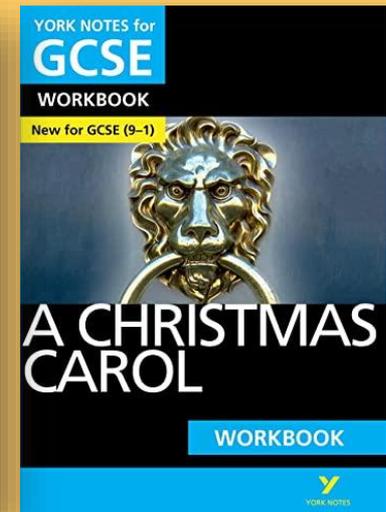
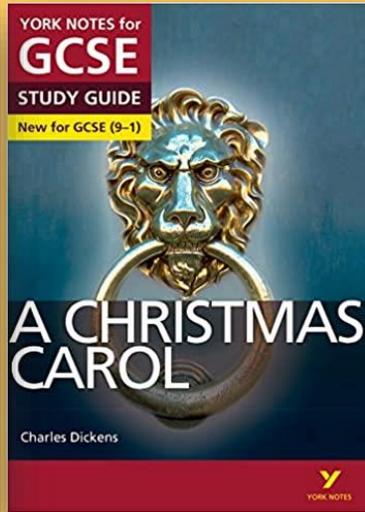
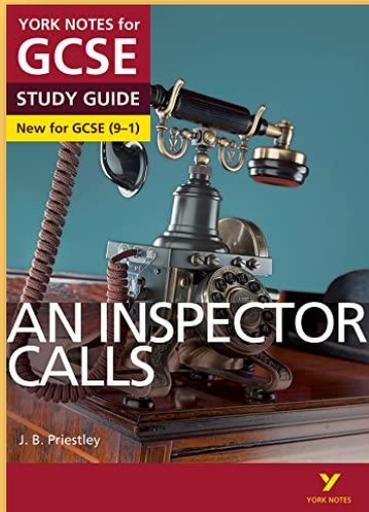


**Launching Today!**

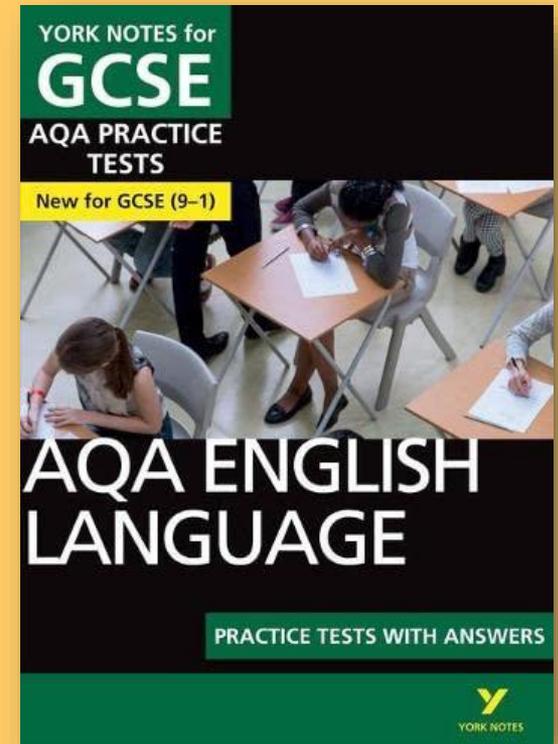
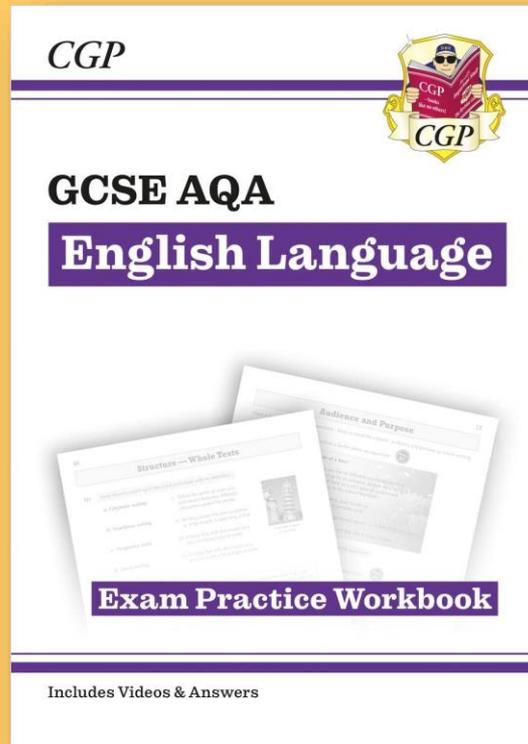
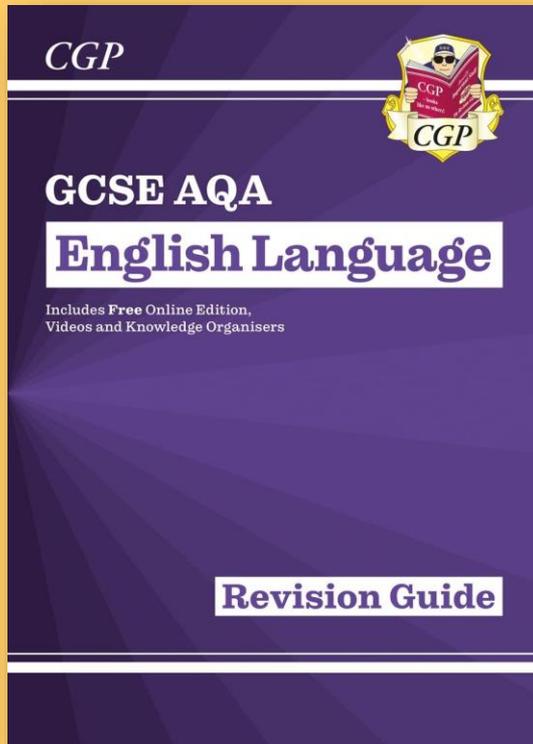
Range of Revision Guides  
and Workbooks available  
to purchase.

50% cheaper than Amazon

# Revision Guides **LITERATURE**



# Revision Guides **LANGUAGE**



Revision Guides ParentPay



**Closing Date:**  
**Friday 22<sup>nd</sup> September**

*Note we will only place our order after closing. Then allow a short window for delivery.*

# The **BEST** Revision Guide...



# Y11 Maths

## Striving for Success

# Edexcel

3 X1 hour 30 min papers

- One non calculator paper and two calculator papers
- Higher (grades 9-3) or Foundation (grades 5-1)
- Crossover of questions approximately 25%

# Exam Practice and Revision

Nationally 50.1% of students get a 5  
71% of students get a 4

2023

Mathematics			Max Mark	9	8	7	6	5	4	3	2	1	U
1MA1	Mathematics (Foundation) Paper(s) 1F 2F 3F	Subject	240					182	147	109	71	33	0
1MA1	Mathematics (Higher) Paper(s) 1H 2H 3H	Subject	240	203	174	145	112	79	47	31			0

2022

Mathematics			Max Mark	9	8	7	6	5	4	3	2	1	U
1MA1	Mathematics (Foundation) Paper(s) 1F 2F 3F	Subject	240					173	135	100	66	32	0
1MA1	Mathematics (Higher) Paper(s) 1H 2H 3H	Subject	240	194	165	137	104	71	38	21			0



# Period 7

Help and support within the  
department

# Independent revision

# Orange books Revision guides

## Dividing with decimals

▲ If the number you're dividing use bus stop

▲ If you are dividing by a dec use the method below

### Example 1:

$$4 \div 0.8 = \frac{4}{0.8}$$

write as a fraction

$$= \frac{4 \times 10}{0.8 \times 10} = \frac{40}{8} = 5$$

### Example 2:

$$0.12 \div 0.004 = \frac{0.12}{0.004}$$
$$= \frac{0.12 \times 1000}{0.004 \times 1000} = \frac{120}{4} = 30$$

### Example 1:

$$\text{Factorise } x^2 + 9x + 18$$

needs  $x$ 's a beginning of they make  $x^2$ .

$$(x + 3)(x + 6)$$

These numbers are found quickly and are made from the numbers in the brackets.

2 brackets as it's a quadratic

These two numbers have to add to get 9 and multiply to get 18.

### Check!

$$(x + 3)(x + 6)$$
$$= x^2 + 6x + 3x + 18$$
$$= x^2 + 9x + 18$$

# MATHS Genie

## Grade 4

Videos	Exam Questions	Exam Questions Booklet	Solutions
<a href="#">Compound Interest and Depreciation</a>	<a href="#">Exam Questions</a>	<a href="#">Compound Interest and Depreciation</a>	<a href="#">Solutions</a>
<a href="#">Indices</a>	<a href="#">Exam Questions</a>	<a href="#">Indices</a>	<a href="#">Solutions</a>
<a href="#">HCF and LCM</a>	<a href="#">Exam Questions</a>	<a href="#">HCF, LCM</a>	<a href="#">Solutions</a>
<a href="#">Functional Maths Questions</a>	<a href="#">Exam Questions</a>	<a href="#">Functional Questions</a>	<a href="#">Solutions</a>
<a href="#">Inequalities</a>	<a href="#">Exam Questions</a>	<a href="#">Inequalities</a>	<a href="#">Solutions</a>
<a href="#">Forming and Solving Equations</a>		<a href="#">Forming and Solving Equations</a>	<a href="#">Solutions</a>
<a href="#">Types of Sequences</a>			
<a href="#">Generating Sequences</a>			
<a href="#">Sequences (Nth Term)</a>	<a href="#">Exam Questions</a>	<a href="#">Sequences (nth term)</a>	<a href="#">Solutions</a>
<a href="#">Expanding and Factorising</a>	<a href="#">Exam Questions</a>	<a href="#">Expand and Factorise</a>	<a href="#">Solutions</a>
<a href="#">Pythagoras</a>	<a href="#">Exam Questions</a>	<a href="#">Pythagoras</a>	<a href="#">Solutions</a>
<a href="#">Angle Problems</a>		<a href="#">Angles</a>	<a href="#">Solutions</a>
<a href="#">Angles in Parallel Lines</a>	<a href="#">Exam Questions</a>	<a href="#">Angles in Parallel Lines</a>	<a href="#">Solutions</a>
<a href="#">Angles in Polygons</a>	<a href="#">Exam Questions</a>	<a href="#">Angles in Polygons</a>	<a href="#">Solutions</a>
<a href="#">Surface Area</a>	<a href="#">Exam Questions</a>	<a href="#">Surface Area</a>	<a href="#">Solutions</a>

15. Solve

$$3y + 10 = 5y + 3$$

---

16. Solve

$$2y + 17 = 6y + 5$$

14. Solve

$$\begin{array}{r} 5y + 1 = 3y + 13 \\ -3y \quad -3y \\ \hline 2y + 1 = 13 \\ -1 \quad -1 \\ \hline 2y = 12 \\ \div 2 \quad \div 2 \end{array}$$

$y = 6$   
.....  
(3 marks)

15. Solve

$$\begin{array}{r} 3y + 10 = 5y + 3 \\ -3y \quad -3y \\ \hline 10 = 2y + 3 \\ -3 \quad -3 \\ \hline 7 = 2y \\ \div 2 \quad \div 2 \end{array}$$

$y = 3.5$   
.....  
(3 marks)

## Grade 1/2

Videos	Exam Questions Booklet	Solutions
<a href="#">Addition and Subtraction</a>	<a href="#">Addition and Subtraction</a>	<a href="#">Solutions</a>
<a href="#">Multiplication and Division</a>	<a href="#">Multiplication and Division</a>	<a href="#">Solutions</a>
<a href="#">Rounding</a>		
<a href="#">Estimating</a>	<a href="#">Estimating</a>	
<a href="#">Powers and Roots</a>	<a href="#">Powers and Square Roots</a>	<a href="#">Solutions</a>
<a href="#">Factors and Multiples</a>	<a href="#">Factors, Multiples and Primes</a>	<a href="#">Solutions</a>
<a href="#">Fractions of an Amount</a>	<a href="#">Fractions of an Amount</a>	<a href="#">Solutions</a>
<a href="#">Fractions, Decimals and Percentages</a>	<a href="#">Fractions, Decimals and Percentages</a>	<a href="#">Solutions</a>
<a href="#">Negative Numbers</a>	<a href="#">Negative Numbers</a>	<a href="#">Solutions</a>
<a href="#">BIDMAS</a>	<a href="#">BIDMAS</a>	<a href="#">Solutions</a>
<a href="#">Simplifying Algebra</a>	<a href="#">Collecting Like Terms</a>	<a href="#">Solutions</a>
<a href="#">Angles</a>	<a href="#">Angles</a>	<a href="#">Solutions</a>
<a href="#">Area</a>	<a href="#">Perimeter, Area and Volume</a>	<a href="#">Solutions</a>
<a href="#">Perimeter</a>		
<a href="#">Area of a Trapezium</a>		
<a href="#">Averages</a>	<a href="#">Mean, Median, Mode and Range</a>	<a href="#">Solutions</a>
<a href="#">Frequency Polygons</a>	<a href="#">Frequency Polygons</a>	<a href="#">Solutions</a>
<a href="#">Stem and Leaf</a>	<a href="#">Stem and Leaf</a>	<a href="#">Solutions</a>
<a href="#">Bar Charts</a>	<a href="#">Bar Charts</a>	<a href="#">Solutions</a>
<a href="#">Pie Charts</a>	<a href="#">Pie Charts</a>	<a href="#">Solutions</a>

## Grade 3

Videos	Exam Questions	Exam Questions Booklet	Solutions
<a href="#">Error Intervals</a>	<a href="#">Exam Questions</a>	<a href="#">Error Intervals</a>	<a href="#">Solutions</a>
<a href="#">Fractions</a>		<a href="#">Fractions</a>	<a href="#">Solutions</a>
<a href="#">Writing and Simplifying Ratio</a>			
<a href="#">Ratio</a>	<a href="#">Exam Questions</a>	<a href="#">Ratio</a>	<a href="#">Solutions</a>
<a href="#">Proportion</a>		<a href="#">Proportion Ingredients Questions</a>	<a href="#">Solutions</a>
<a href="#">Percentages</a>	<a href="#">Exam Questions</a>	<a href="#">Percentages</a>	<a href="#">Solutions</a>
<a href="#">Percentage Change</a>			
<a href="#">Exchange Rates</a>	<a href="#">Exam Questions</a>	<a href="#">Exchange Rates</a>	<a href="#">Solutions</a>
<a href="#">Best Buy Questions</a>	<a href="#">Exam Questions</a>	<a href="#">Best Buys</a>	<a href="#">Solutions</a>
<a href="#">Substitution</a>		<a href="#">Substitution</a>	<a href="#">Solutions</a>
<a href="#">Solving Equations</a>			
<a href="#">Solving Equations with an Unknown on Both Sides</a>		<a href="#">Solving Equations</a>	<a href="#">Solutions</a>
<a href="#">Drawing Graphs</a>		<a href="#">Drawing Graphs</a>	<a href="#">Solutions</a>
<a href="#">Area and Circumference of Circles</a>		<a href="#">Circles</a>	<a href="#">Solutions</a>
<a href="#">Transformations</a>		<a href="#">Rotations</a> <a href="#">Reflections</a> <a href="#">Enlargements</a> <a href="#">Translations</a> <a href="#">Mixed Transformations</a>	<a href="#">Rotations Solutions</a> <a href="#">Reflections Solutions</a> <a href="#">Enlargements Solutions</a> <a href="#">Translations Solutions</a> <a href="#">Mixed Transformations Solutions</a>
<a href="#">Area of Compound Shapes</a>	<a href="#">Exam Questions</a>	<a href="#">Area of Compound Shapes</a>	<a href="#">Solutions</a>
<a href="#">Probability</a>	<a href="#">Exam Questions</a>	<a href="#">Probability</a>	<a href="#">Solutions</a>
<a href="#">Two Way Tables</a>		<a href="#">Two Way Tables</a>	<a href="#">Solutions</a>

## Grade 4

Videos	Exam Questions	Exam Questions Booklet	Solutions
<a href="#">Compound Interest and Depreciation</a>	<a href="#">Exam Questions</a>	<a href="#">Compound Interest and Depreciation</a>	<a href="#">Solutions</a>
<a href="#">Indices</a>	<a href="#">Exam Questions</a>	<a href="#">Indices</a>	<a href="#">Solutions</a>
<a href="#">HCF and LCM</a>	<a href="#">Exam Questions</a>	<a href="#">HCF, LCM</a>	<a href="#">Solutions</a>
<a href="#">Functional Maths Questions</a>	<a href="#">Exam Questions</a>	<a href="#">Functional Questions</a>	<a href="#">Solutions</a>
<a href="#">Inequalities</a>	<a href="#">Exam Questions</a>	<a href="#">Inequalities</a>	<a href="#">Solutions</a>
<a href="#">Forming and Solving Equations</a>		<a href="#">Forming and Solving Equations</a>	<a href="#">Solutions</a>
<a href="#">Types of Sequences</a>			
<a href="#">Generating Sequences</a>			
<a href="#">Sequences (Nth Term)</a>	<a href="#">Exam Questions</a>	<a href="#">Sequences (nth term)</a>	<a href="#">Solutions</a>
<a href="#">Expanding and Factorising</a>	<a href="#">Exam Questions</a>	<a href="#">Expand and Factorise</a>	<a href="#">Solutions</a>
<a href="#">Pythagoras</a>	<a href="#">Exam Questions</a>	<a href="#">Pythagoras</a>	<a href="#">Solutions</a>
<a href="#">Angle Problems</a>		<a href="#">Angles</a>	<a href="#">Solutions</a>
<a href="#">Angles in Parallel Lines</a>	<a href="#">Exam Questions</a>	<a href="#">Angles in Parallel Lines</a>	<a href="#">Solutions</a>
<a href="#">Angles in Polygons</a>	<a href="#">Exam Questions</a>	<a href="#">Angles in Polygons</a>	<a href="#">Solutions</a>
<a href="#">Surface Area</a>	<a href="#">Exam Questions</a>	<a href="#">Surface Area</a>	<a href="#">Solutions</a>
<a href="#">Volume of Prisms</a>	<a href="#">Exam Questions</a>	<a href="#">Volume of Prisms</a>	<a href="#">Solutions</a>
<a href="#">Cylinders</a>	<a href="#">Exam Questions</a>	<a href="#">Volume and Surface Area of Cylinders</a>	<a href="#">Solutions</a>
<a href="#">Loci and Construction</a>		<a href="#">Loci and Construction</a>	<a href="#">Solutions</a>
<a href="#">Bearings</a>		<a href="#">Bearings</a>	<a href="#">Solutions</a>
<a href="#">Averages from Frequency Tables</a>	<a href="#">Exam Questions</a>	<a href="#">Averages from Frequency Tables</a>	<a href="#">Solutions</a>
<a href="#">Probability</a>	<a href="#">Exam Questions</a>	<a href="#">Probability</a>	<a href="#">Solutions</a>
<a href="#">Scatter Graphs</a>		<a href="#">Scatter Graphs</a>	<a href="#">Solutions</a>

## Grade 5

Videos	Exam Questions	Exam Questions Booklet	Solutions
<a href="#">Writing a Ratio as a Fraction or Linear Function</a>	<a href="#">Exam Questions</a> <a href="#">Exam Questions</a>	<a href="#">Ratio Fraction Problems</a> <a href="#">Ratio Problems 2</a>	<a href="#">Solutions</a> <a href="#">Solutions</a>
<a href="#">Direct and Inverse Proportion</a>	<a href="#">Exam Questions</a>	<a href="#">Direct and Inverse Proportion</a>	<a href="#">Solutions</a>
<a href="#">Reverse Percentages</a>		<a href="#">Reverse Percentages</a>	<a href="#">Solutions</a>
<a href="#">Standard Form</a>		<a href="#">Standard Form</a>	<a href="#">Solutions</a>
<a href="#">Speed and Density</a>		<a href="#">Speed and Density</a>	<a href="#">Solutions</a>
<a href="#">Changing the Subject of a Formula</a>	<a href="#">Exam Questions</a>	<a href="#">Changing the Subject of a Formula</a>	<a href="#">Solutions</a>
<a href="#">Expanding and Factorising Quadratics</a>		<a href="#">Expanding and Factorising Quadratics</a>	<a href="#">Solutions</a>
<a href="#">Solving Quadratics</a>		<a href="#">Solving Quadratics</a>	<a href="#">Solutions</a>
<a href="#">Drawing Quadratic Graphs</a>		<a href="#">Drawing Quadratic Graphs</a>	<a href="#">Solutions</a>
<a href="#">Drawing Other Graphs: Cubic/Reciprocal</a>		<a href="#">Cubic/Reciprocal Graphs</a>	<a href="#">Solutions</a>
<a href="#">Simultaneous Equations</a>	<a href="#">Exam Questions</a>	<a href="#">Simultaneous Equations</a>	<a href="#">Solutions</a>
<a href="#">Solving Simultaneous Equations Graphically</a>		<a href="#">Solving Simultaneous Equations Graphically</a>	<a href="#">Solutions</a>
<a href="#">Midpoint of a Line Segment</a>			
<a href="#">Gradient of a Line</a>	<a href="#">Exam Questions</a>	<a href="#">Gradient of a Line</a>	<a href="#">Solutions</a>
<a href="#">Equation of a Line</a>	<a href="#">Exam Questions</a>	<a href="#">Equation of a Line</a>	<a href="#">Solutions</a>
<a href="#">Spheres and Cones</a>		<a href="#">Spheres and Cones</a>	<a href="#">Solutions</a>
<a href="#">Sector Areas and Arc Lengths</a>		<a href="#">Sectors and Arcs</a>	<a href="#">Solutions</a>
<a href="#">Similar Shapes (Lengths)</a>	<a href="#">Exam Questions</a>	<a href="#">Similar Shapes (Lengths)</a>	<a href="#">Solutions</a>
<a href="#">SOHCAHTOA (Trigonometry)</a>	<a href="#">Exam Questions</a>	<a href="#">SOHCAHTOA</a>	<a href="#">Solutions</a>
<a href="#">Exact trig values</a>			
<a href="#">Vectors</a>		<a href="#">Vectors</a>	<a href="#">Solutions</a>
<a href="#">Probability Trees</a>		<a href="#">Probability Trees</a>	<a href="#">Solutions</a>
<a href="#">Venn Diagrams</a>		<a href="#">Venn Diagrams</a>	<a href="#">Solutions</a>

## Grade 6

Videos	Exam Questions	Exam Questions Booklet	Solutions
<a href="#">Recurring Decimals to Fractions</a>	<a href="#">Exam Questions</a>	<a href="#">Converting Recurring Decimals to Fractions</a>	<a href="#">Solutions</a>
<a href="#">Fractional and Negative Indices</a>	<a href="#">Exam Questions</a>	<a href="#">Fractional and Negative Indices</a>	<a href="#">Solutions</a>
<a href="#">The Product Rule for Counting</a>	<a href="#">Exam Questions</a>	<a href="#">The Product Rule for Counting</a>	<a href="#">Solutions</a>
<a href="#">Repeated Percentage Change</a>	<a href="#">Exam Questions</a>	<a href="#">Repeated Percentage Change</a>	<a href="#">Solutions</a>
<a href="#">Expanding Triple Brackets</a>	<a href="#">Exam Questions</a>	<a href="#">Expanding Triple Brackets</a>	<a href="#">Solutions</a>
<a href="#">Parallel and Perpendicular Lines</a>	<a href="#">Exam Questions</a>	<a href="#">Parallel and Perpendicular Lines</a>	<a href="#">Solutions</a>
<a href="#">Length of a Line</a>			
<a href="#">Inequalities on Graphs</a>		<a href="#">Inequalities on Graphs</a>	<a href="#">Solutions</a>
<a href="#">Similar Shapes (Area and Volume)</a>	<a href="#">Exam Questions</a>	<a href="#">Similar Shapes (Area and Volume)</a>	<a href="#">Solutions</a>
<a href="#">Enlarging with Negative Scale Factors</a>		<a href="#">Enlarging with Negative Scale Factors</a>	<a href="#">Solutions</a>
<a href="#">Circle Theorems</a>		<a href="#">Circle Theorems</a>	<a href="#">Solutions</a>
<a href="#">Cumulative Frequency</a>		<a href="#">Cumulative Frequency</a>	<a href="#">Solutions</a>
<a href="#">Box Plots</a>	<a href="#">Exam Questions</a>	<a href="#">Box Plots</a>	<a href="#">Solutions</a>

## Grade 7

Videos	Exam Questions	Exam Questions Booklet	Solutions
<a href="#">Surds</a>	<a href="#">Exam Questions</a>	<a href="#">Surds</a>	<a href="#">Solutions</a>
<a href="#">Bounds</a>	<a href="#">Exam Questions</a>	<a href="#">Bounds</a>	<a href="#">Solutions</a>
<a href="#">Direct and Inverse Proportion</a>	<a href="#">Exam Questions</a>	<a href="#">Direct and Inverse Proportion</a>	<a href="#">Solutions</a>
<a href="#">Quadratic Formula</a>	<a href="#">Exam Questions</a>	<a href="#">Quadratic Formula</a>	<a href="#">Solutions</a>
<a href="#">Factorising Harder Quadratics</a>	<a href="#">Exam Questions</a>	<a href="#">Factorising Harder Quadratics</a>	<a href="#">Solutions</a>
<a href="#">Algebraic Fractions</a>	<a href="#">Exam Questions</a>	<a href="#">Algebraic Fractions</a>	<a href="#">Solutions</a>
<a href="#">Rearranging Harder Formulae</a>	<a href="#">Exam Questions</a>	<a href="#">Rearranging Harder Formulae</a>	<a href="#">Solutions</a>
<a href="#">Harder Graphs: Trig/Exponential</a>		<a href="#">Harder Graphs: Trig/Exponential</a>	<a href="#">Solutions</a>
<a href="#">Inverse and Composite Functions</a>	<a href="#">Exam Questions</a>	<a href="#">Inverse and Composite Functions</a>	<a href="#">Solutions</a>
<a href="#">Iteration</a>	<a href="#">Exam Questions</a>	<a href="#">Solving Equations using Iteration</a>	<a href="#">Solutions</a>
<a href="#">Finding the Area of Any Triangle</a>	<a href="#">Exam Questions</a>	<a href="#">Finding the Area of Any Triangle</a>	<a href="#">Solutions</a>
<a href="#">The Sine Rule</a>	<a href="#">Exam Questions</a>	<a href="#">The Sine Rule</a>	<a href="#">Solutions</a>
<a href="#">The Cosine Rule</a>	<a href="#">Exam Questions</a>	<a href="#">The Cosine Rule</a>	<a href="#">Solutions</a>
<a href="#">Congruent Triangles</a>		<a href="#">Congruent Triangles</a>	<a href="#">Solutions</a>
<a href="#">3d Pythagoras</a>		<a href="#">3d Pythagoras</a>	<a href="#">Solutions</a>
<a href="#">Histograms</a>		<a href="#">Histograms</a>	<a href="#">Solutions</a>
<a href="#">Venn Diagrams ("Given that" questions)</a>	<a href="#">Exam Questions</a>	<a href="#">Venn Diagrams</a>	<a href="#">Solutions</a>

## Grade 8/9

Videos	Exam Questions	Exam Questions Booklet	Solutions
<a href="#">Quadratic Simultaneous Equations</a>	<a href="#">Exam Questions</a>	<a href="#">Quadratic Simultaneous Equations</a>	<a href="#">Solutions</a>
<a href="#">Transforming Graphs <math>y=f(x)</math></a>		<a href="#">Transforming Graphs <math>y=f(x)</math></a>	<a href="#">Solutions</a>
<a href="#">Proof</a>	<a href="#">Exam Questions</a>	<a href="#">Proof</a>	<a href="#">Solutions</a>
<a href="#">Completing the Square</a>	<a href="#">Exam Questions</a>	<a href="#">Completing the Square</a>	<a href="#">Solutions</a>
<a href="#">The Nth Term of a Quadratic Sequence</a>	<a href="#">Exam Questions</a>	<a href="#">Quadratic Sequences</a>	<a href="#">Solutions</a>
<a href="#">Quadratic Inequalities</a>	<a href="#">Exam Questions</a>	<a href="#">Quadratic Inequalities</a>	<a href="#">Solutions</a>
<a href="#">Velocity Time Graphs</a>		<a href="#">Velocity Time Graphs</a>	<a href="#">Solutions</a>
<a href="#">Proof of the Circle Theorems</a>	<a href="#">Exam Questions</a>	<a href="#">Proof of the Circle Theorems</a>	<a href="#">Solutions</a>
<a href="#">Perpendicular Lines and the equation of a tangent</a>	<a href="#">Exam Questions</a>	<a href="#">Perpendicular Lines</a>	<a href="#">Solutions</a>
<a href="#">Vectors Proof Questions</a>	<a href="#">Exam Questions</a>	<a href="#">Vectors</a>	<a href="#">Solutions</a>
<a href="#">Probability Equation Questions</a>	<a href="#">Exam Questions</a>	<a href="#">Probability Equation Questions</a>	<a href="#">Solutions</a>

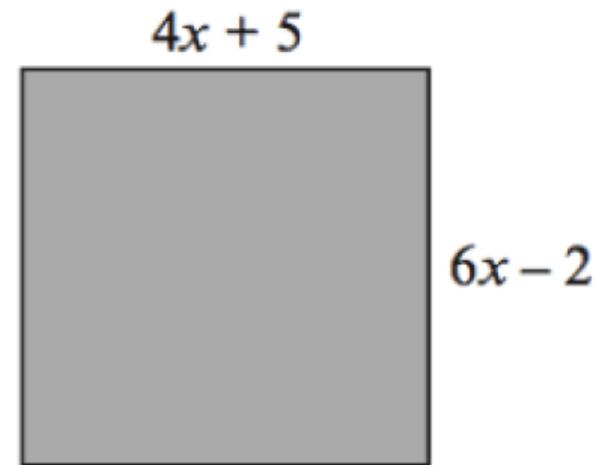
# JUST MATHS

2. The diagram shows a square.

All the lengths are measured in centimetres.

Diagram not drawn to scale

Use an algebraic method to find the length of one side of the square.



*Diagram not drawn to scale*

[5]

2. The diagram shows a square.

All the lengths are measured in centimetres.

Diagram not drawn to scale

Use an algebraic method to find the length of one side of the square.

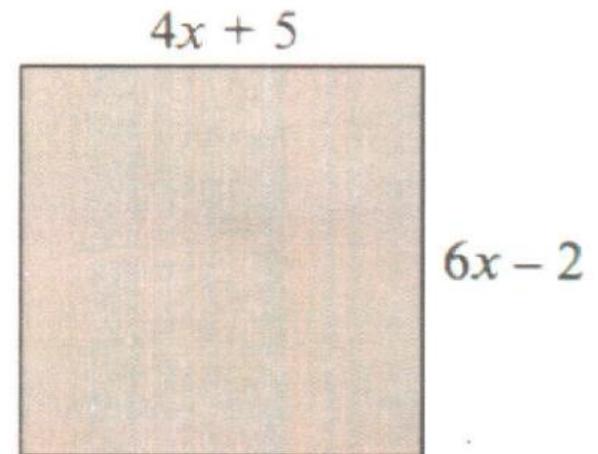


Diagram not drawn to scale

[5]

$$\begin{array}{r} 4x + 5 = 6x - 2 \\ (-4x) \quad (-4x) \end{array}$$

$$\begin{array}{r} 5 = 2x - 2 \\ (+2) \quad (+2) \end{array}$$

$$\begin{array}{r} 2x = 7 \\ x = 3.5 \end{array}$$

$$\begin{array}{r} \therefore 4x + 5 \\ 4 \times 3.5 + 5 \\ = \underline{\underline{19\text{cm}}} \end{array}$$

# Exam Papers

Write your name here

Surname	Other names
---------	-------------

**Pearson Edexcel** Centre Number Candidate Number  
Level 1/Level 2 GCSE (9-1)

**Mathematics**  
**Paper 1 (Non-Calculator)**  
**Foundation Tier**

Thursday 2 November 2017 – Morning  
Time: 1 hour 30 minutes

Paper Reference  
**1MA1/1F**

**You must have:** Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.

Total Marks

## Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- You must **show all your working**.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- **Calculators may not be used.**



- 5 Here are the first four terms of a number sequence.

2            5            11            23

The rule to continue this sequence is

multiply the previous term by 2 and then add 1

Work out the 5th term of this sequence.

(Total for Question 5 is 1 mark)

- 6 Here are five straight rods.



All measurements are in centimetres.

The total length of the five rods is  $L$  cm.

Find a formula for  $L$  in terms of  $a$ .

Write your formula as simply as possible.

# GCSE Science

Students will gain at least two GCSEs

Students will sit 6 papers, 2 Biology, 2 Chemistry and 2 Physics. Each paper is 1hr15.

Marks from all papers will be added together to award the final grade.

# Combined Science

For Combined Science:

Higher

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

Foundation

Marks from all papers will be added together to award the final grade.

# GCSE Science

Assessment objectives	Overall Weighting %
Demonstrating Knowledge	40
Applying Knowledge	40
Analysing information and ideas	20

57%

48%

Subject Title	Maximum Mark	Grade Boundaries												
		99	98	88	87	77	76	66	65	55	54	44	43	33
COMBINED SCI: TRILOGY TIER F	420									242	222	203	175	148
COMBINED SCI: TRILOGY TIER H	420	276	257	238	220	202	183	164	145	126	107	89	80	

66%

48%

35%

# The BEST Revision Guide...

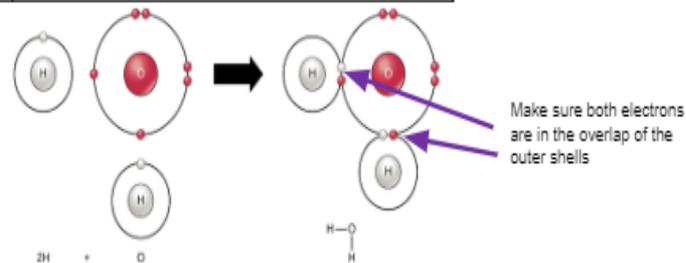


## Chemistry Topic 2: Bonding, Structure, and the properties of matter

1. Keywords	
Ionic bond	When a metal donates electrons to a non-metal forming <u>opposite charged ions</u> that are attracted to each other
Covalent bond	A shared pair of electrons between two <u>non-metals</u>
Metallic bond	Positive metal ions in a 'sea' of delocalised electrons
Ions	Charged atoms which have either gained or lost electrons
Electrons	Negative particles found in the shells of atoms
Group 0	The unreactive 'noble gases' all elements aim to get to group 0 electron configuration when they react
Dot and cross diagrams	The simplest way we show the bonding in atoms
Polymer	A long chain molecule made up of repeating monomers
Monomer	The small molecules that join together to make polymers
Delocalised	Electrons which are free to move anywhere
Alloy	A mixture of a metal and another element to change its properties

### 2. The process of ionic bonding

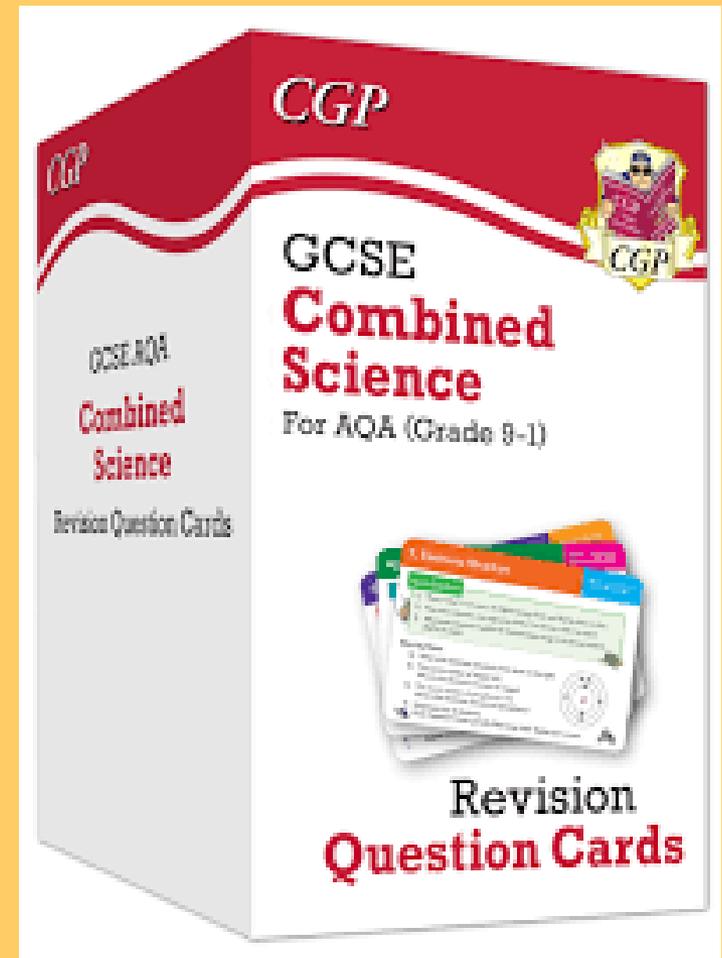
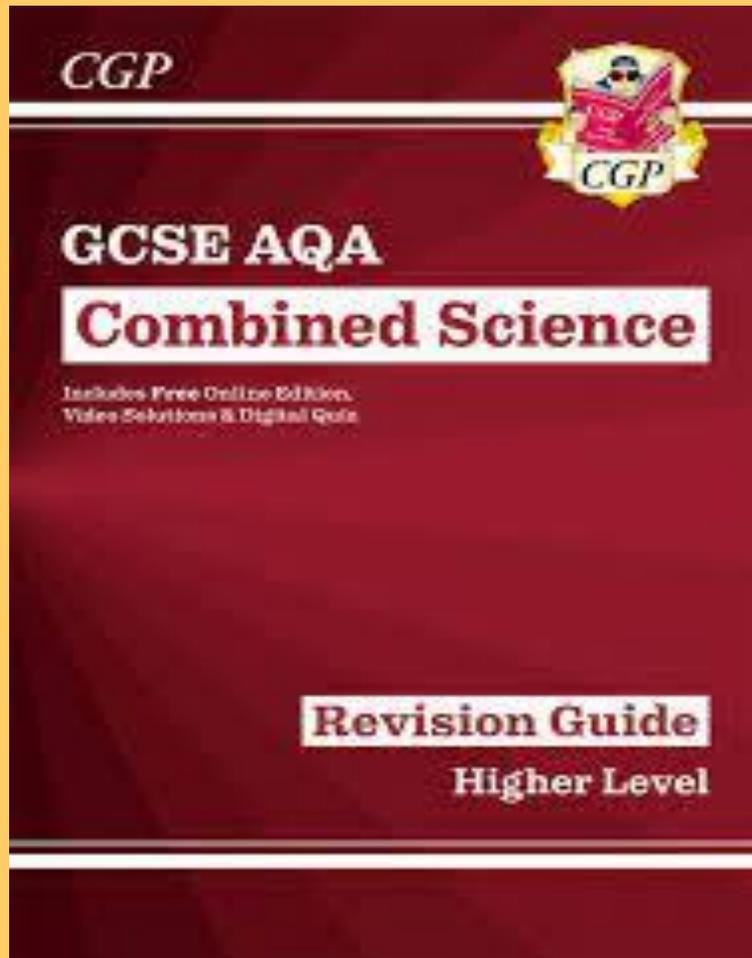
No	Name	Electron movement	Charge	Electron configuration	Does it have a full outer shell?
1	Sodium atom	0	0	2,8,1	No
2	Chlorine atom	0	0	2,8,7	No
3	Sodium ion	Lost 1	+1	2,8	Yes
4	Chloride ion	Gained 1	-1	2,8,8	Yes



### 3. The process of covalent bonding

1	Non metals share their outer unpaired electrons
2	Now all outer shell spaces appear full
3	There is no change in charge. They remain uncharged

# Revision Guides



# GCSE Science

How to revise for Science:

1. Flashcards – especially good for knowledge
2. Revision grids
3. Mindmaps
4. **Exam questions**
5. **Planning your time, start early so you have time to revisit**

## Forces

GRADE 1-3

<http://QOTIYIU.exampro.net>

<http://OYAIAAR.exampro.net>

GRADE 4-6

<http://KUZEJUI.exampro.net>

<http://FEAOOIQ.exampro.net>

GRADE 7-9

<http://RYBUMIX.exampro.net>

<http://HIFIBES.exampro.net>

## Waves

GRADE 1-3

<http://RYVUGUD.exampro.net>

**exampro**

Homeostasis, bonding, particles L1  
Sherburn High School

1

Question

Mark Scheme

2

3

4

5

6

7

8

9

10

11

Diabetes is a disease in which the concentration of glucose in a person's blood may rise to fatally high levels.  
Insulin controls the concentration of glucose in the blood.

(a) Where is insulin produced?

Draw a ring around **one** answer.

**gall bladder**

**liver**

**pancreas**

(1)

(b) People with diabetes may control their blood glucose by injecting insulin.

(i) If insulin is taken by mouth, it is digested in the stomach.

What type of substance is insulin?

Draw a ring around **one** answer.

**carbohydrate**

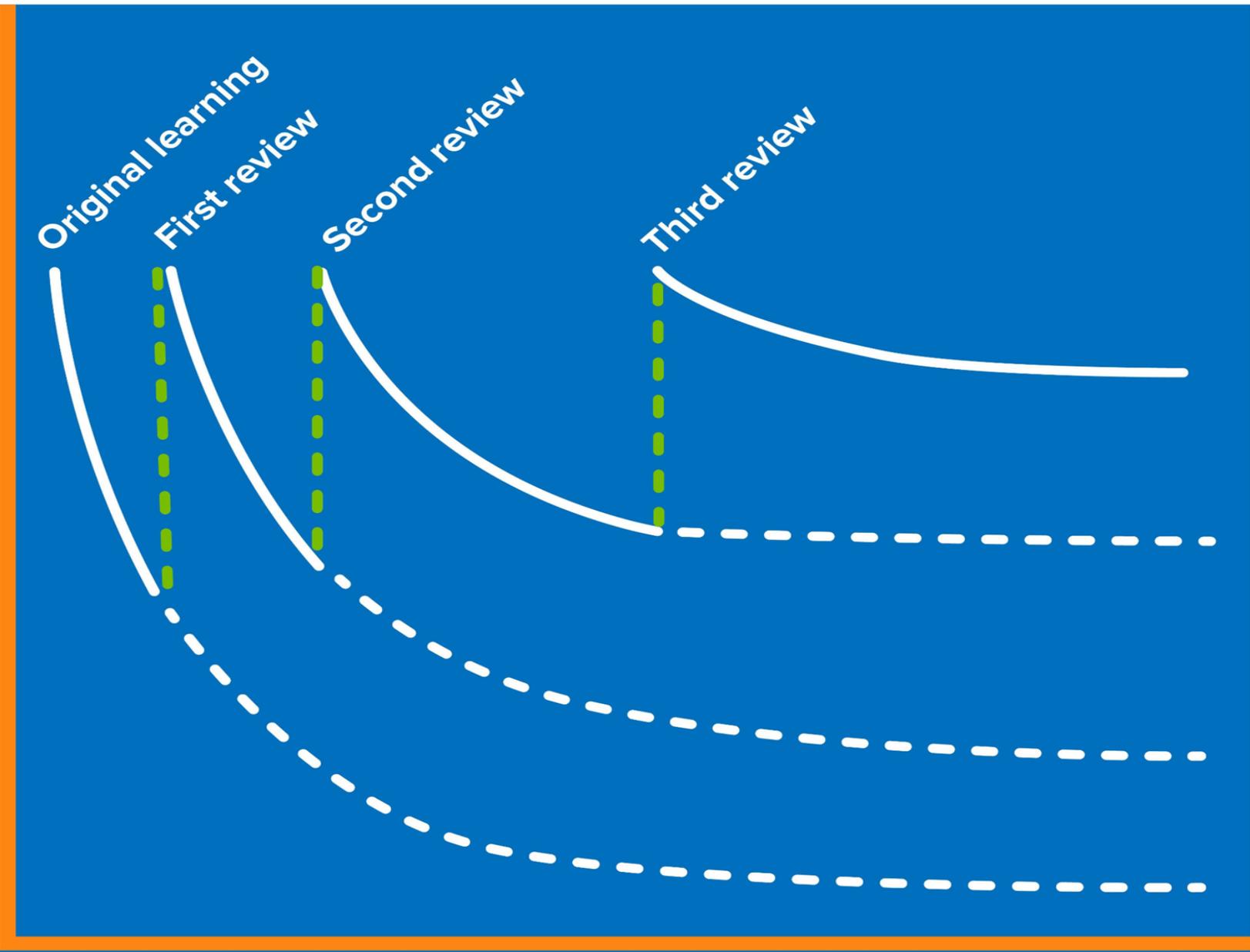
**fat**

**protein**

(1)

(ii) Apart from using insulin, give **one** other way people with diabetes may reduce their

**% Information Retained**



**Time Elapsed**

# Our Sixth Form Team

Ms Crossley – Head of  
Sixth Form

Miss Jackson – SLT link

Mrs Butterworth –  
Attendance and  
Pastoral Officer

Mrs Maddock –  
Learning Mentor

# Our vision

Our vision is that our students will spend the next two years discovering and realising their full potential.

## How will we achieve this?

a wide range of opportunities:

1. personal
2. academic
3. social

We expect our students to make the most of every opportunity offered during their time here.



# Our commitment



- first class teaching and assessment across all subjects
- age appropriate, relevant personal development lessons
- focused, bespoke preparation for higher education and the world of work.

# Our expectations



- students will take responsibility for their own learning
- students will seize every opportunity offered to them
- students will be an active part of our school community

# What others can see

I have to confess to being a little teary-eyed writing this as our journey at Sherburn High comes to a close.

She has had a very happy and rich experience and been very lucky to have been taught by some fabulous teachers, who have not only invested time and effort into her academic development but shown genuine and obvious care and love for her.

As a parent this means so, so much and is precious.

# What others can see

We know that school achievement is not, and should not, be measured simply in academic outcomes.

However, fantastic outcomes cannot be achieved if the school does not underpin the academic element with care for the whole child, which SHS has done in spades.

Thank you so much for the support which she has been given by the sixth form teaching team.

The change in her since starting the school is unrecognisable.

Originally she had no confidence or desire to continue in education & is now eager to go to university!

# What others can see

We would like you to know how much all of the hard work you do, every single day and in so many ways that are not always visible, is very much appreciated by both students and parents.

# Sixth Form International Trip 2025



We're in the process of planning our International Trip for 2025.

More information to follow next term however we're looking for volunteers to help with the planning!

Please see Mrs Goulding and Miss Jackson for more information.





# Sixth Form Open Evening

Thursday 19th October  
**Join Us.**



**MYTH**



# School Holidays –



SCHOOL  
HOLIDAYS  
ARE  
HERE!



**study leave**

**so**

chat and enjoy

**with**

**friends**



**Reward**  
Just Ahead





# Party Time







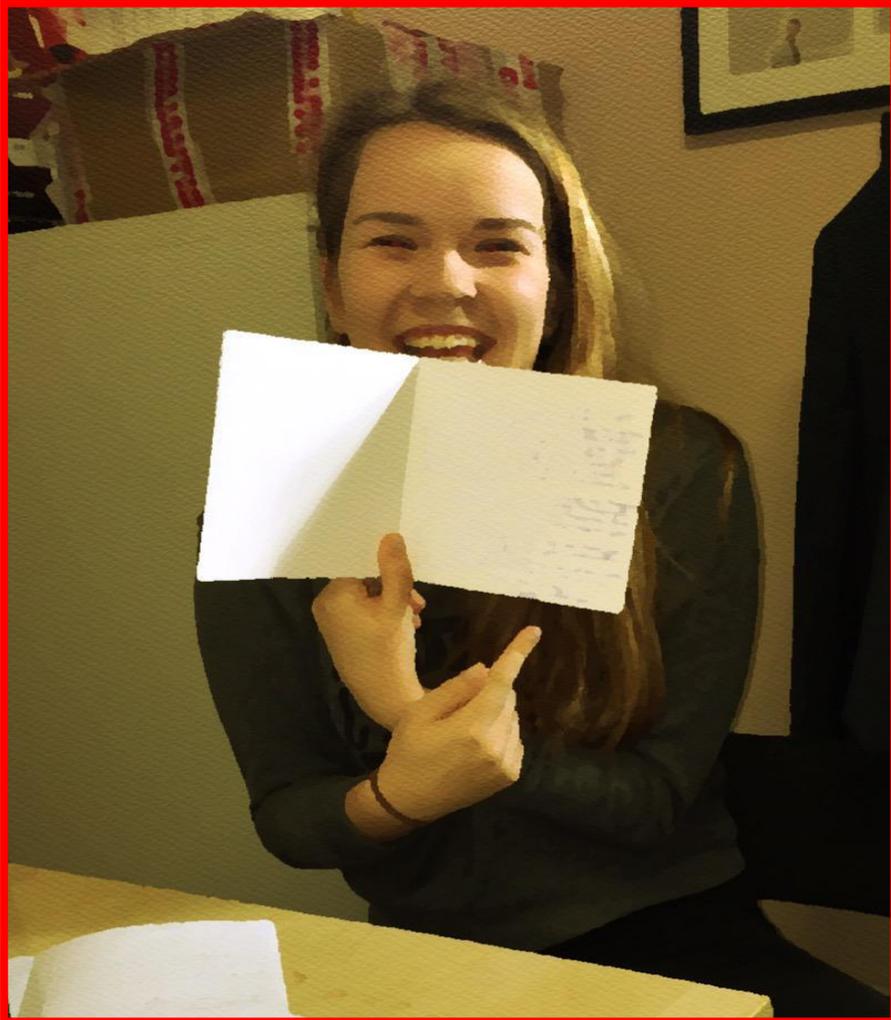
**BY  
INVITATION  
ONLY**

# GCSE RESULTS DAY

**Thursday 22nd August**



# Good Luck Messages



Good Luck – Cards/Emails

FAO: Mr Darnbrough

**Needed by Wednesday  
17th January**

(Drop off at Progress Evening, or in school reception or via email or post)

***“This is an  
environment  
where success is  
inevitable.”***

