Supporting Success

Supporting Success

Together we can…

We have **influence** because of our **togetherness** that we cannot have alone.

Together we can…

RESULTS DAY!

GCSE Exams

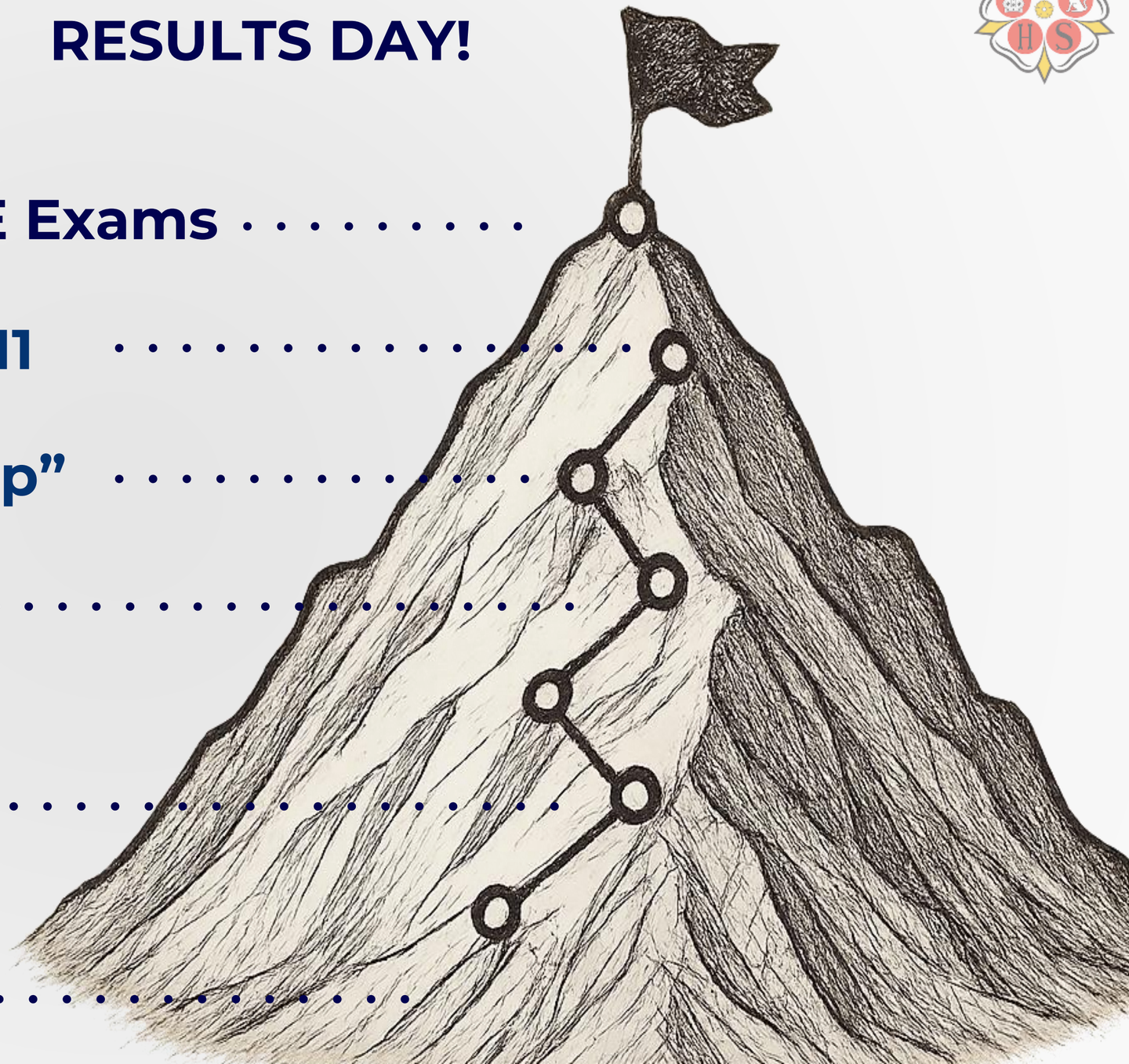
PPE 3 Year 11

PPE 2 Year 11 “Base Camp”

PPE 1 exams in July Year 10

Assessments and Exams along the way

Year 9 GCSE starts



Supporting Success

Why Attendance Matters

Attendance groups			
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

Together we can…

Understanding the Grade

Old grades	Numerical grades
A*	9
	8
A	7
B	6
	5 Strong Pass
C	4 Standard Pass
D	3
E	2
F	1
G	
U	U

Supporting Success

Why Attendance Matters

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

Together we can…

Revision Carousel

Starting 29th September, a week of revision strategies for students to use.

The power of stories and codes.

How to self-quiz and assess your progress

How to reduce the clutter and make notes useful

How to make and use flashcards effectively

How to revise for English Language?

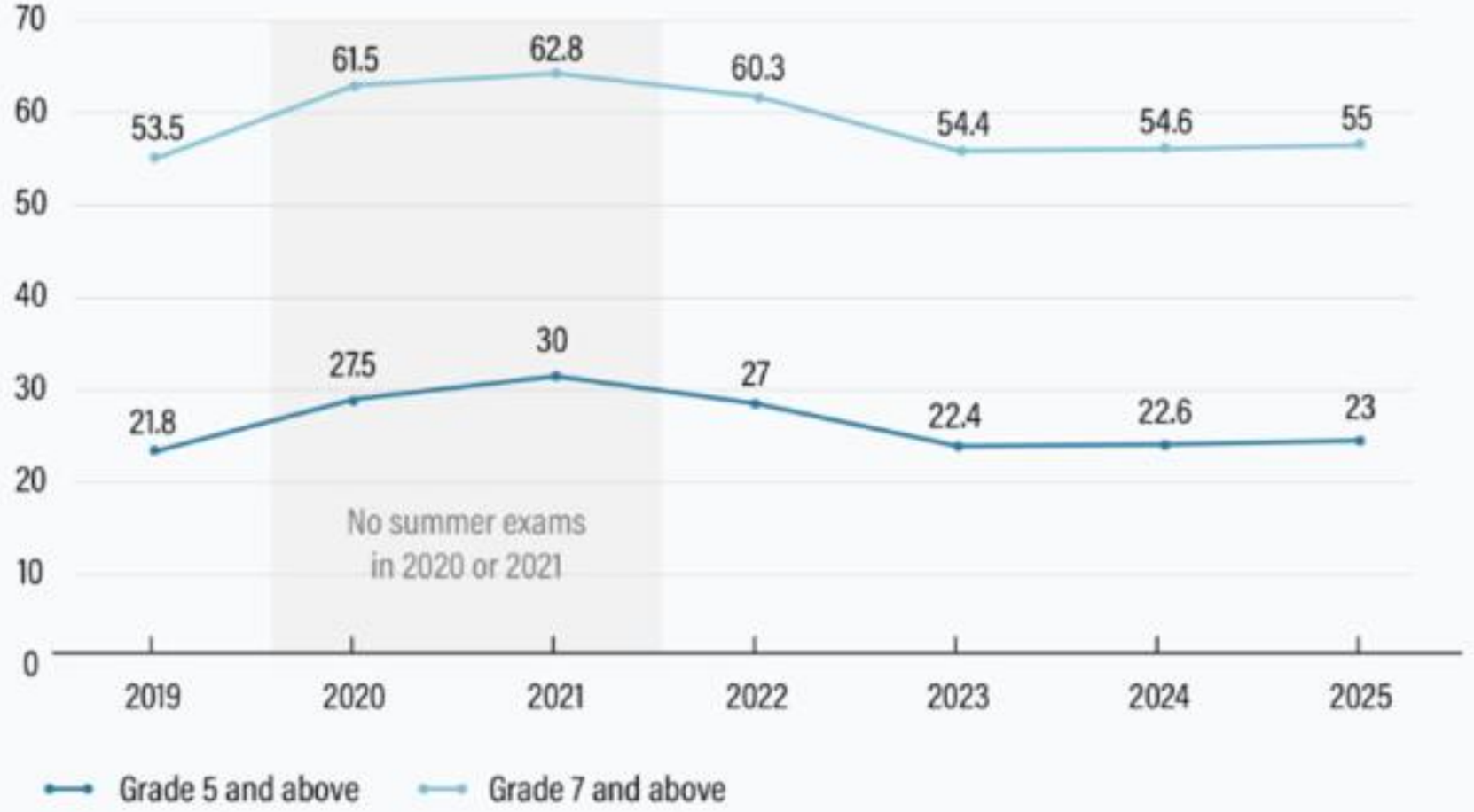
Making revision timetables, using time wisely.

Period 7

Learn from the experts in their subjects. Intensive revision 6 weeks before each exam set.

	Mon	Tue	Wed	Thu	Fri
A week	Pool A	Geo	Science	Pool C	
B Week	English	Pool B	Maths	Pool D	French

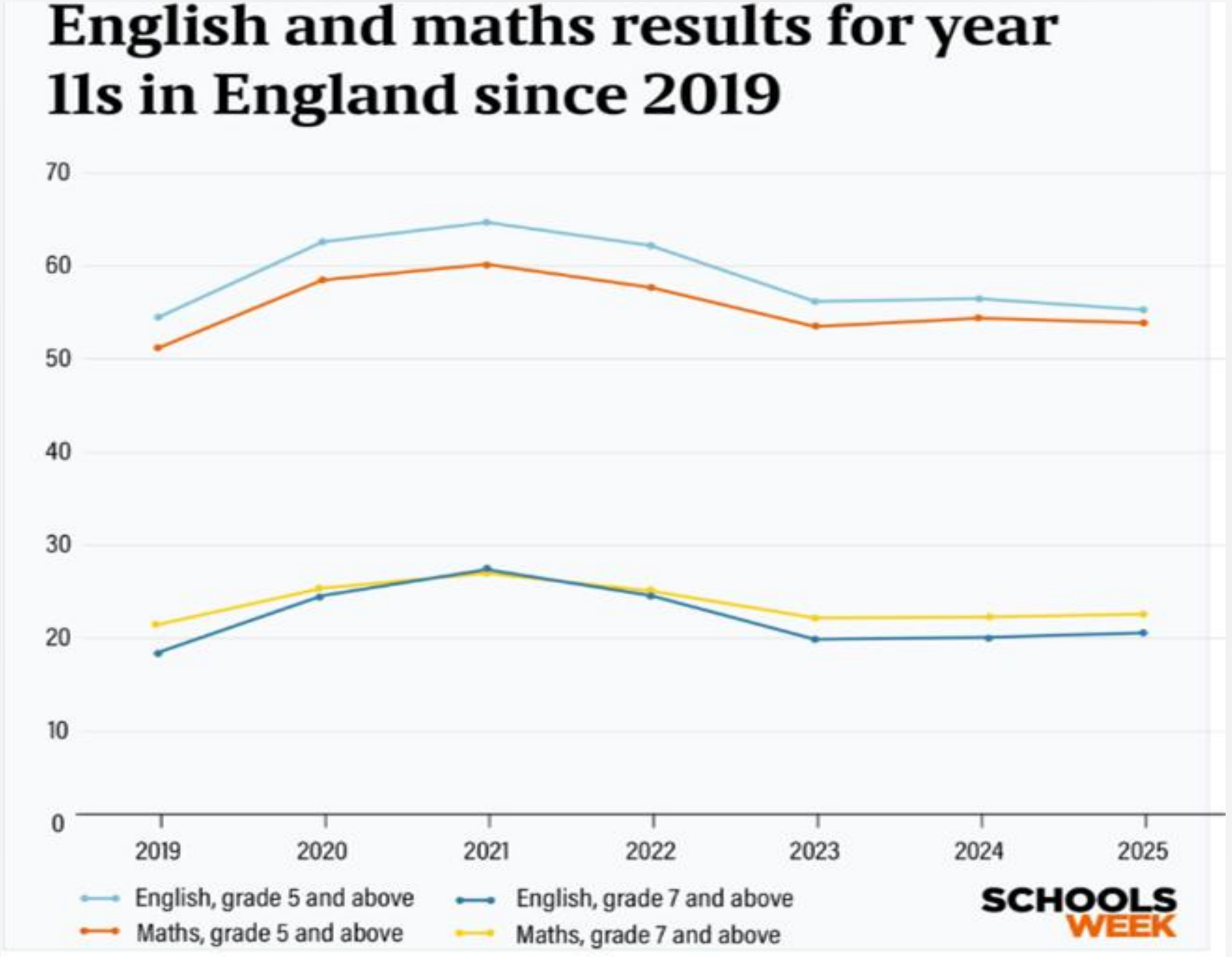
GCSE results in England at different grades since 2019



Source: JCQ data on GCSE results for England 16-year-olds

SCHOOLS WEEK

English and maths results for year 11s in England since 2019



The Good news!

	Sherburn High School 2025	National average
Grade 4+ in English and Maths	78%	67%
Grade 5+ in English and Maths	65%	47%
Grade 7+ in English	22%	18%
Grade 7+ in Maths	29%	22%

A Proven Track Record

2019	2022	2023	2024	2025
+0.10	+0.47	+0.17	+0.57	+0.64

Where can my results take me?

Level 2 course – GCSE grades 1 -9

Level 2 Apprenticeships, training, Diploma

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

PPEs

PPE 2 will be 20th Oct – 7th Nov

October Half Term splits the schedule

Strategic and specific GCSE questions

PPE 3 will be 9th Feb – 27th Feb

Full sets of papers

As close to the real thing

Feb Half term splits the schedule

Student Progress Report Cards

Subject	FFT20 Estimate End of Y11	Predicted End of Y11 Grade Summer 2024	PPE Result July 2024
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			

Supporting Success

Careers Education

1:1 Careers appointments with Annie Gill

Careers conversations with Miss Miller, Ms Wadsworth and Form Tutors

23rd October visit to the UK University and Apprenticeship fair at Elland Road

4th December Careers Day

A Levels

Vocational Courses (BTEC/ NVQ)

T Levels

Apprenticeships

Supporting Success:

ENGLISH

GCSE English

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

AQA English Language:
Reading and Writing skills

AQA English Literature:
Exploration and analysis of a range of texts.

GCSE English Language

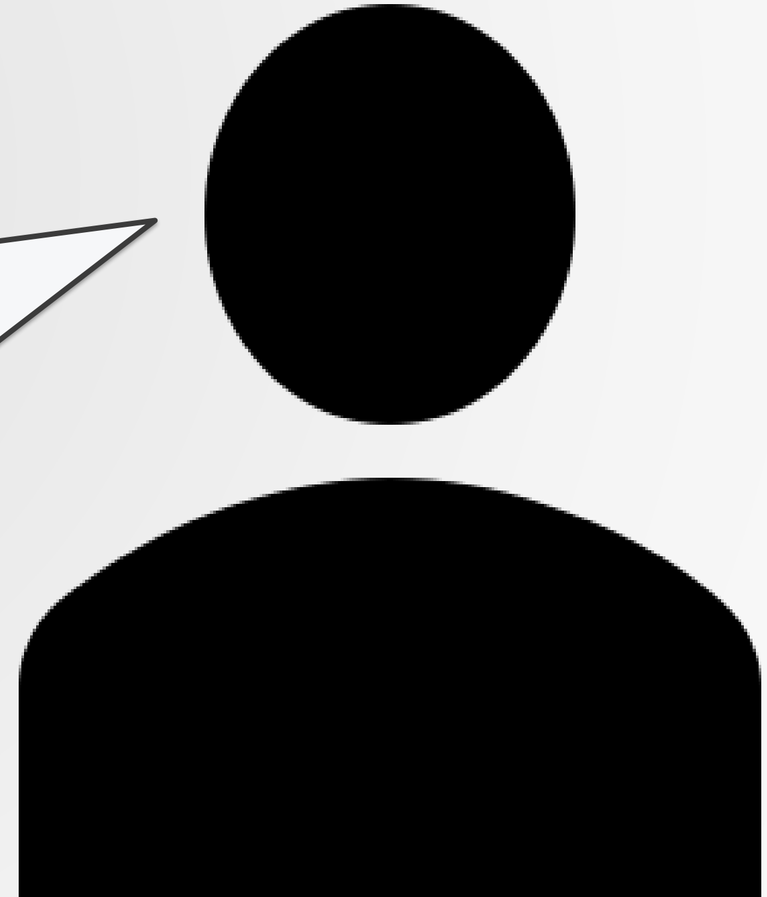
Students will have **two exams** at the end of Year 11.

Paper 1: 50%
Section A: Students read and respond to a fiction text extract
Section B: Students write a description or short story.

Paper 2: 50%
Section A: Students read and respond to two non-fiction texts
Section B: Students write their own article, letter, or speech.

GCSE English Language

You can't revise for English



GCSE 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.

1. Write! Practice your writing skills. Each of us have a "back-up" story to adapt, and the non-fiction topics will be something that everyone will know about, such as the environment.

GCSE English Language

GCSE English Literature

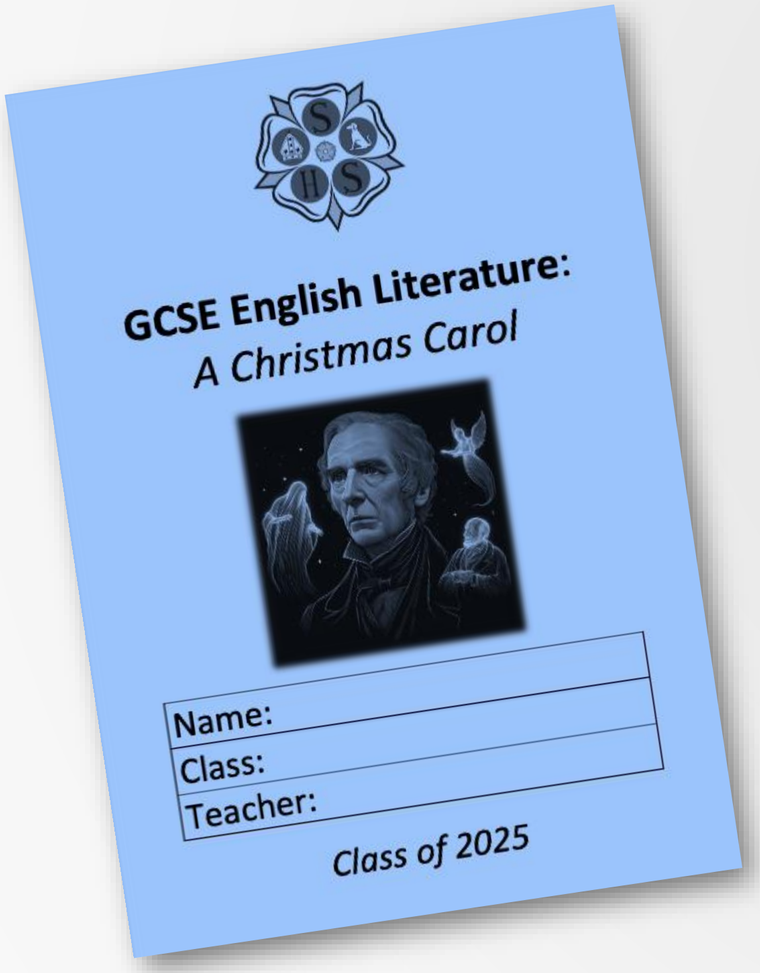
Students will have **two exams** at the end of Year 11.

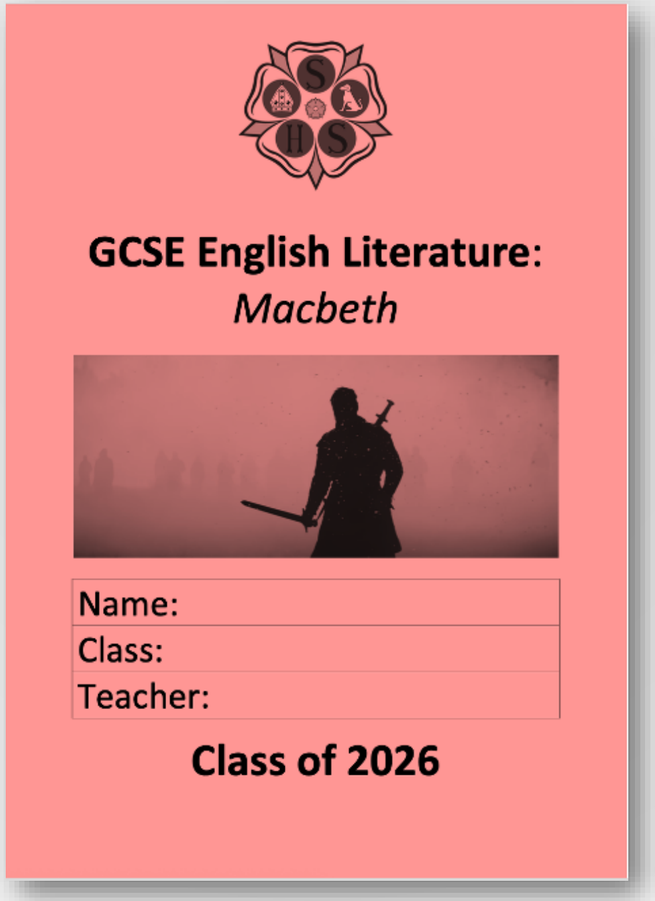
Paper 1: 40%
Section A: Students write one essay questions on **MACBETH**
Section B: Students write one essay on **A CHRISTMAS CAROL**

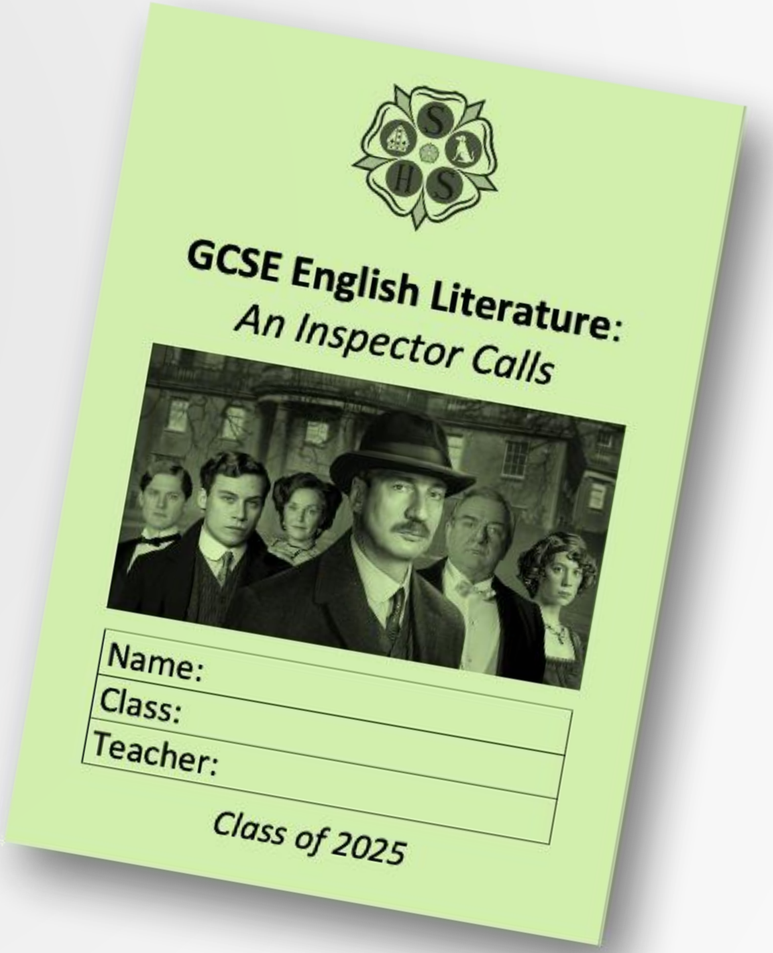
Paper 2: 60%
Section A: Students answer one question on **AN INSPECTOR CALLS**
Section B: Students answer one question on **POETRY ANTHOLOGY**
Section C: Students answer two questions on **UNSEEN POETRY**

GCSE English Literature

Use your Course Readers

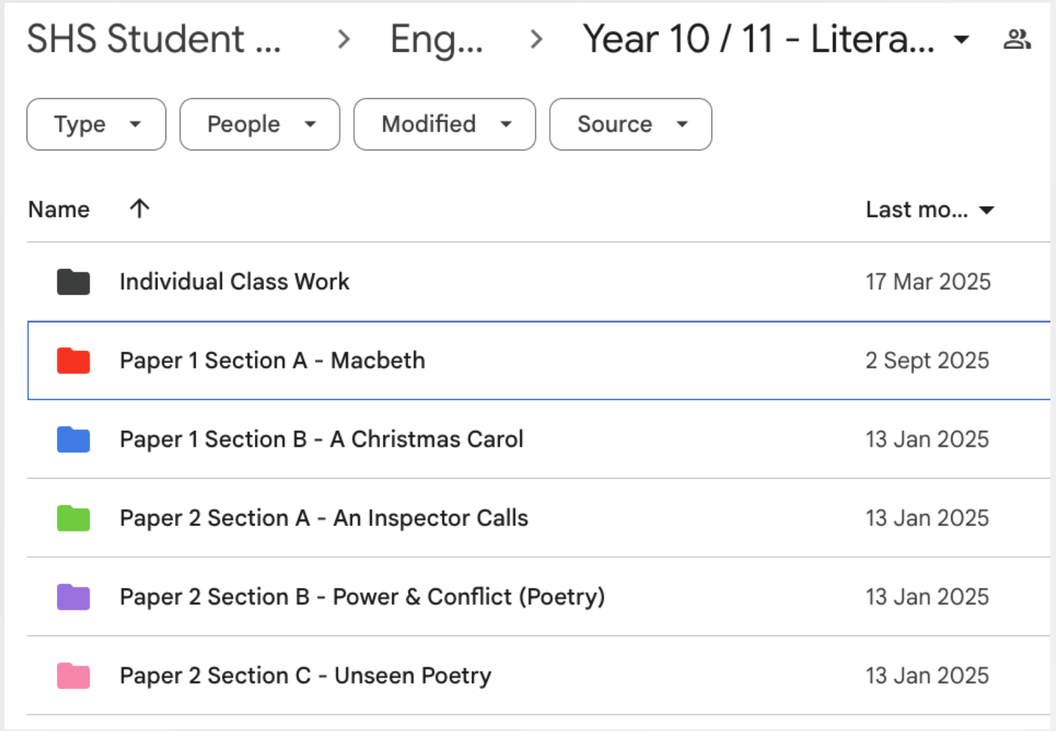






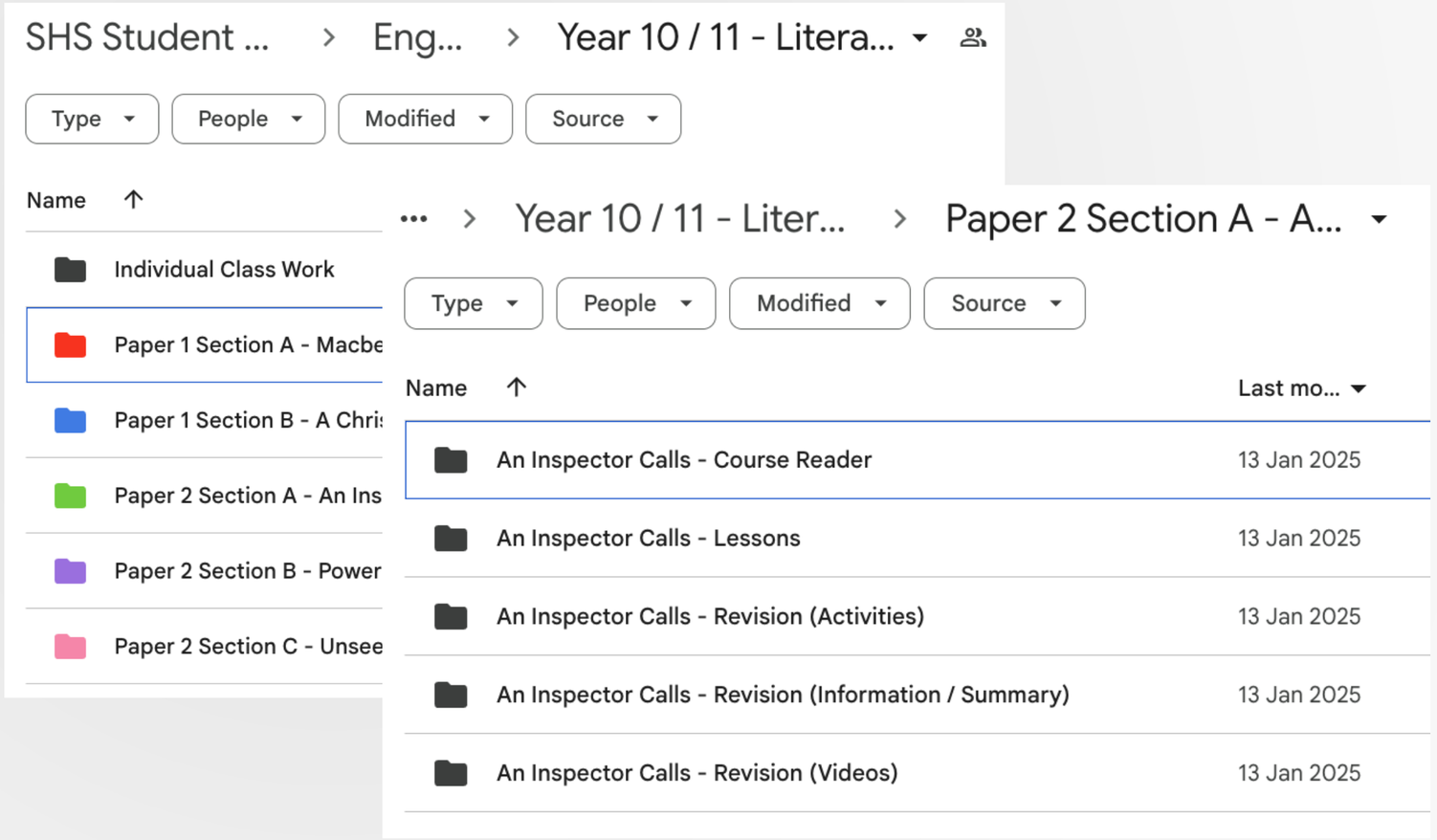
GCSE English

Use what your teachers have given you.



GCSE English

Use what your teachers have given you.



GCSE English

WARNING



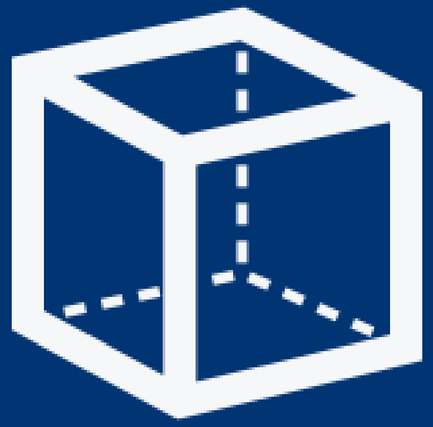
Advice for students

- Be careful about relying on the internet and social media influencers to pre-prepare an answer. This is not helpful and does not show ***your*** thinking about the question. The examiner is interested in what ***you*** think and why ***you*** think it.

- Spend your time revising a range of ideas about the different characters and themes in order to show what ***you*** think about the play or the novel.

Supporting Success:

MATHS



GCSE Maths

Students will complete **3x 1hour 30 minutes papers**

One non-calculator paper, and two calculator papers

Higher tier (Grades 9-3) or Foundation (Grades 5-1)

Crossover of questions approximately 25%

Pearson Edexcel

GCSE Maths

Exam Practice and revision

GCSE Maths

Question	Topic	Marks																										
1	Add fractions	3	3	3	0	3	2	0	3	3	0	3	3	3	3	3	3	3	3	2	3	3	3	0	1	3		
2a	Interpreting Y intercept in realtion to question	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	0	1	0	1	0	0			
2aii	Interpreting gradient in realtion to question	1	0	1	1	0	1	0	0	1	1	1	1	1	0	0	1	1	1	0	1	1	1	0	0			
2b	Find the equation of a straight line	2	3	3	3	3	2	3	3	3	3	3	1	0	3	0	3	2	3	3	1	3	1	3	3			
3	Compound area	1	5	4	5	3	3	3	5	5	0	5	5	1	5	1	1	3	5	5	5	5	3	5	5			
4	Speed distance time word problem	4	4	2	4	4	2	4	2	4	4	2	4	4	4	4	0	4	4	4	4	4	0	0	4			
5a	Area - tiling problem with ratio and fractions	5	1	5	5	4	0	5	1	1	2	1	5	5	1	5	0	0	5	5	5	5	4	1	0	1		
5b	Expalnation of result on tiles needed if gaps left	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0			
6	Travel graph with speed distance time	4	4	2	2	4	2	1	4	4	3	1	1	3	2	2	0	1	0	3	4	3	1	1	2	0		
7	Estimating	3	0	2	2	2	0	2	2	3	2	2	0	2	0	3	2	0	2	2	2	2	0	0	0	2		
8	Translating shapes using vectors	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	0	2	2	0	1	0	0	0	2			

GCSE Maths

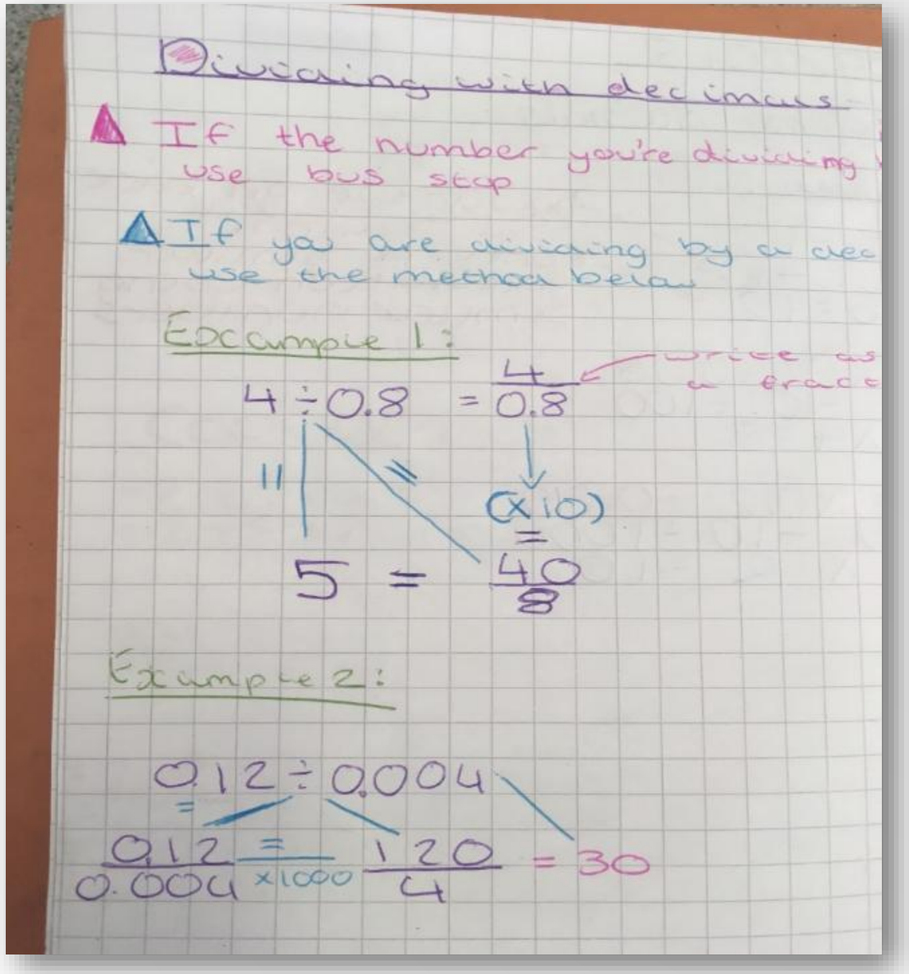
Independent Revision

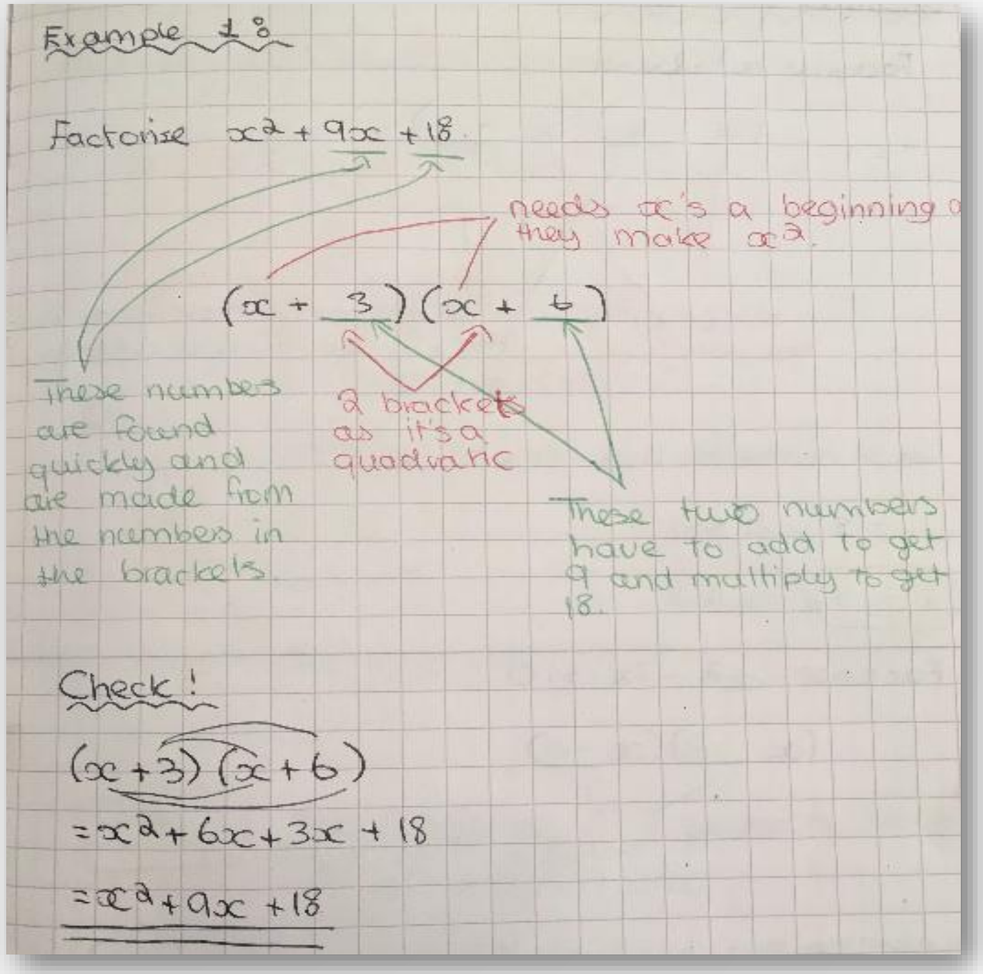
GCSE Maths

Q	Topic	Out of	Mark
1	Convert cm to ml	1	0
2	Simplify algebra	1	0
3	Reflect in mirror line	1	1
4	Write value of a digit in a number	1	1
5	Order percentage decimal fraction	1	1
6	Interpret pictogram	1	1
7	Money problem - how many can you buy with £20	3	3
8a	Complete bar chart	2	2
8b	Explain incoreect interpretation	1	1
9	Draw pattern and complete table for sequence	2	2
10	Difference in temerature (negative)	2	2
11	Difference in electricity used then multiply by cost	4	3
12a	Add fractions	2	2
12b	Multiply fractions and simplify	2	2
13	Calculating proability	2	2
14	Substitution	2	1
15a	Estimate calculation	2	0
15b	Given one calculation calculate another with same digits	1	0
16	SDT	4	0
17a	Complete frequency tree	3	3
17b	Probability from frequency tree	2	1
18	Recipe question	2	0
19	Increase by a percentage	3	0
20	Fraction problem	3	0
21	Draw stem and leaf	3	2
22	Calculate volume from plan and side view of cylinder	3	0
23	Solve inequality	2	1
24	Product of primes	2	0
25	Ratio and fraction problem solving	5	0
26	Standard form	4	0
27	Angles in polygons	3	0
28ab	Complete table and draw quadratic graph	4	2
28c	Solve quadratic = 0 using graph	2	0
29	Mass density volume	3	0
30	Exact value of sine 30	1	0
0	Total	80	33

GCSE Maths

Orange books. Revision Guides





GCSE Maths

Maths Genie

Grade 4

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

GCSE Maths

15. Solve $3y + 10 = 5y + 3$

---

16. Solve $2y + 17 = 6y + 5$

GCSE Maths

14. Solve $5y + 1 = 3y + 13$

$5y + 1 = 3y + 13$

$-3y \quad -3y$

$2y + 1 = 13$

$-1 \quad -1$

$2y = 12$

$\div 2 \quad \div 2$

$y =$ 6

(3 marks)

15. Solve $3y + 10 = 5y + 3$

$3y + 10 = 5y + 3$

$-3y \quad -3y$

$10 = 2y + 3$

$-3 \quad -3$

$7 = 2y$

$\div 2 \quad \div 2$

$y =$ 3.5

(3 marks)

GCSE Maths

Maths Genie

Grade 1/2

Videos	Exam Questions Booklet	Solutions
Addition and Subtraction	Addition and Subtraction	Solutions
Multiplication and Division	Multiplication and Division	Solutions
Rounding		
Estimating	Estimating	
Powers and Roots	Powers and Square Roots	Solutions
Factors and Multiples	Factors, Multiples and Primes	Solutions
Fractions of an Amount	Fractions of an Amount	Solutions
Fractions, Decimals and Percentages	Fractions, Decimals and Percentages	Solutions
Negative Numbers	Negative Numbers	Solutions
BIDMAS	BIDMAS	Solutions
Simplifying Algebra	Collecting Like Terms	Solutions
Angles	Angles	Solutions
Area	Perimeter, Area and Volume	Solutions
Perimeter		
Area of a Trapezium		
Averages	Mean, Median, Mode and Range	Solutions

GCSE Maths

Maths Genie

Grade 3

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

GCSE Maths

Maths Genie

Grade 4

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

GCSE Maths

Maths Genie

Grade 5

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

GCSE Maths

Maths Genie

Grade 6

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

GCSE Maths

Maths Genie

Grade 7

Videos	Exam Questions	Exam Questions Booklet	Solutions
Surds	Exam Questions	Surds	Solutions
Bounds	Exam Questions	Bounds	Solutions
Direct and Inverse Proportion	Exam Questions	Direct and Inverse Proportion	Solutions
Quadratic Formula	Exam Questions	Quadratic Formula	Solutions
Factorising Harder Quadratics	Exam Questions	Factorising Harder Quadratics	Solutions
Algebraic Fractions	Exam Questions	Algebraic Fractions	Solutions
Rearranging Harder Formulae	Exam Questions	Rearranging Harder Formulae	Solutions
Harder Graphs: Trig/Exponential		Harder Graphs: Trig/Exponential	Solutions
Inverse and Composite Functions	Exam Questions	Inverse and Composite Functions	Solutions
Iteration	Exam Questions	Solving Equations using Iteration	Solutions
Finding the Area of Any Triangle	Exam Questions	Finding the Area of Any Triangle	Solutions
The Sine Rule	Exam Questions	The Sine Rule	Solutions
The Cosine Rule	Exam Questions	The Cosine Rule	Solutions
Congruent Triangles		Congruent Triangles	Solutions
3d Pythagoras		3d Pythagoras	Solutions
Histograms		Histograms	Solutions

GCSE Maths

Maths Genie

Grade 8/9

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

GCSE Maths

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.

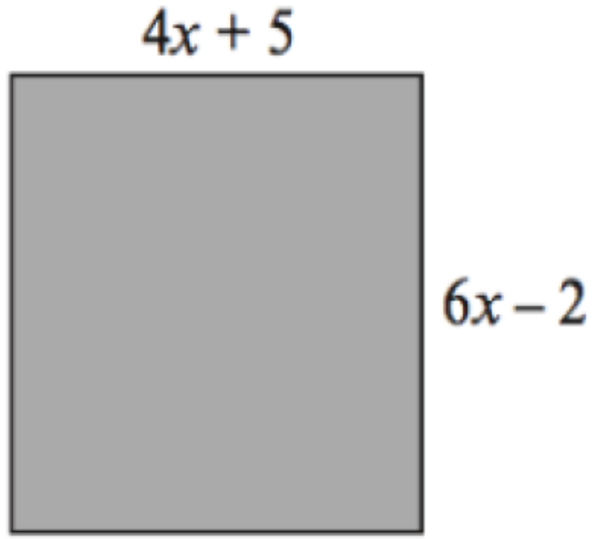


Diagram not drawn to scale

[5]

GCSE Maths

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.

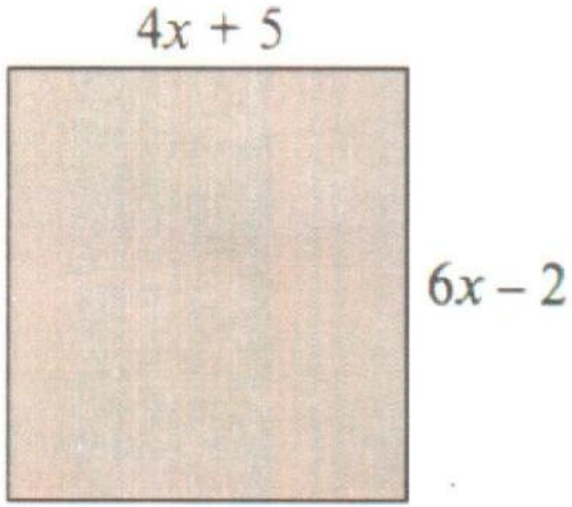


Diagram not drawn to scale

$4x + 5 = 6x - 2$

$(-4x)$ $(-4x)$

$5 = 2x - 2$

$(+2)$ $(+2)$

$2x = 7$

$x = 3.5$

$\therefore 4x + 5$

$4 \times 3.5 + 5$

$= 19\text{cm}$

[5]

GCSE Maths

Exam Papers

Write your name here

Surname | Other names

Pearson Edexcel
Level 1/Level 2 GCSE (9-1)

Centre Number | Candidate Number

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

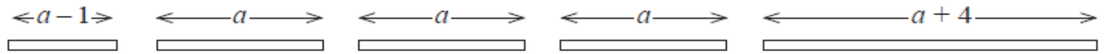
multiply the previous term by 2 and then add 1

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 Maths

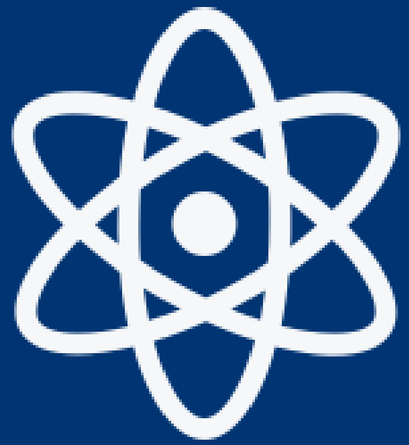
Period 7

GCSE Maths

Help and Support within the department

Supporting Success:

SCIENCE



GCSE Science

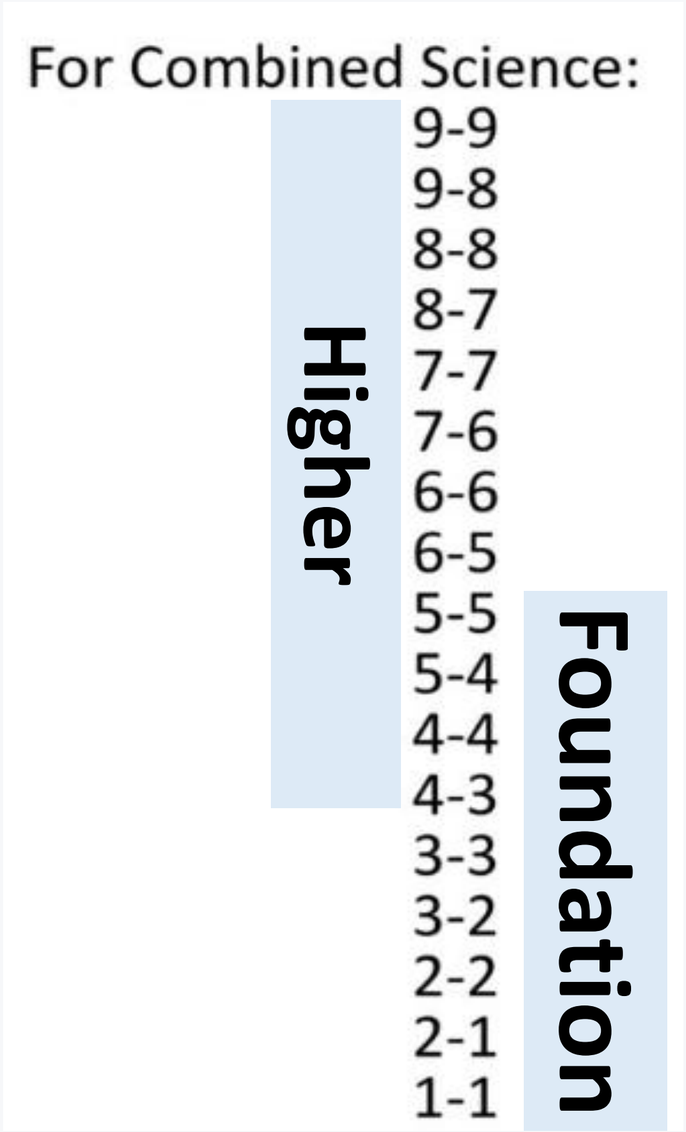
GCSE Science

- This is a **double GCSE** – you will get a double grade
- You will be entered for Higher tier (43 to 99) or Foundation tier (11 to 55)
- Exams are all at the end of year 11 (June)

Your GCSE is made of 6 units

Biology Paper 1 1hr 15 minutes 70 Marks	+	Chemistry Paper 1 1hr 15 minutes 70 Marks	+	Physics Paper 1 1hr 15 minutes 70 Marks
Biology Paper 2 1hr 15 minutes 70 Marks	+	Chemistry Paper 2 1hr 15 minutes 70 Marks	+	Physics Paper 2 1hr 15 minutes 70 Marks

GCSE Science



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

GCSE Science

63%

53%

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	

68%

51%

35%

GCSE Science

- This is **THREE GCSEs** – you will get a different grade for each science
- You will be entered for Higher tier (4 - 9) or Foundation tier (1-5)
- Exams are all at the end of year 11 (June)

Your GCSEs are made of 6 units:

Biology Paper 1 1hr 45 minutes 100 Marks 50 % of GCSE	+	Biology Paper 2 1hr 45 minutes 100 Marks 50 % of GCSE	Chemistry Paper 1 1hr 45 minutes 100 Marks 50 % of GCSE	+	Chemistry Paper 2 1hr 45 minutes 100 Marks 50 % of GCSE

Physics Paper 1 1hr 45 minutes 100 Marks 50 % of GCSE	+	Physics Paper 2 1hr 45 minutes 100 Marks 50 % of GCSE

GCSE Science

Assessment objectives	Overall Weighting %
Fact recall (AO1)	40
Applying Knowledge (AO2)	40
Analysing information (AO3)	20

GCSE Science

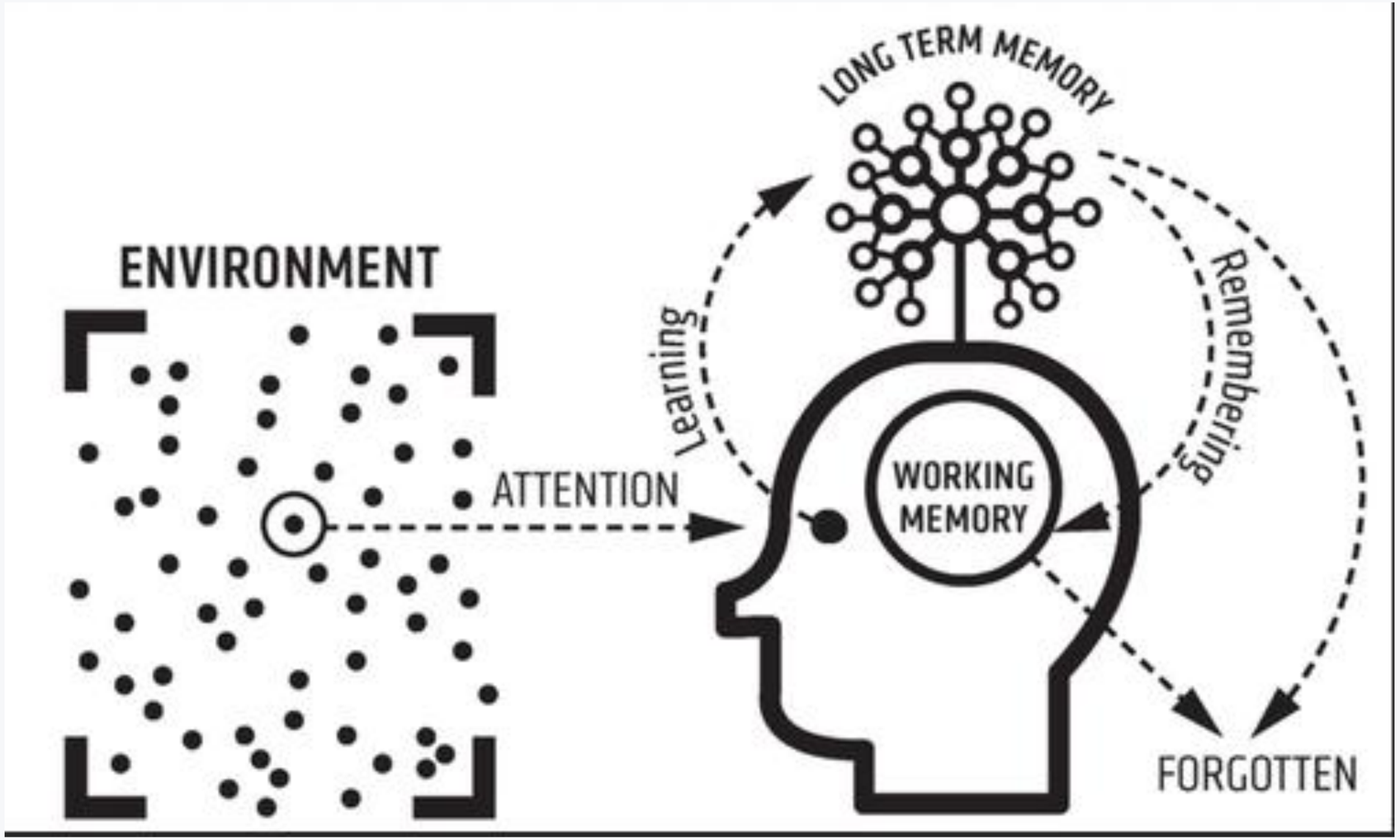
What were the original numbers?

1 91419 1 8193 91 94520 25

1914 1918 1939 1945 2025

GCSE Science

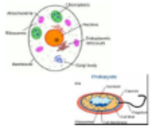
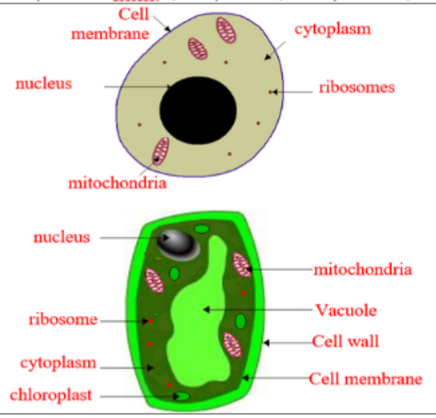
Memory model



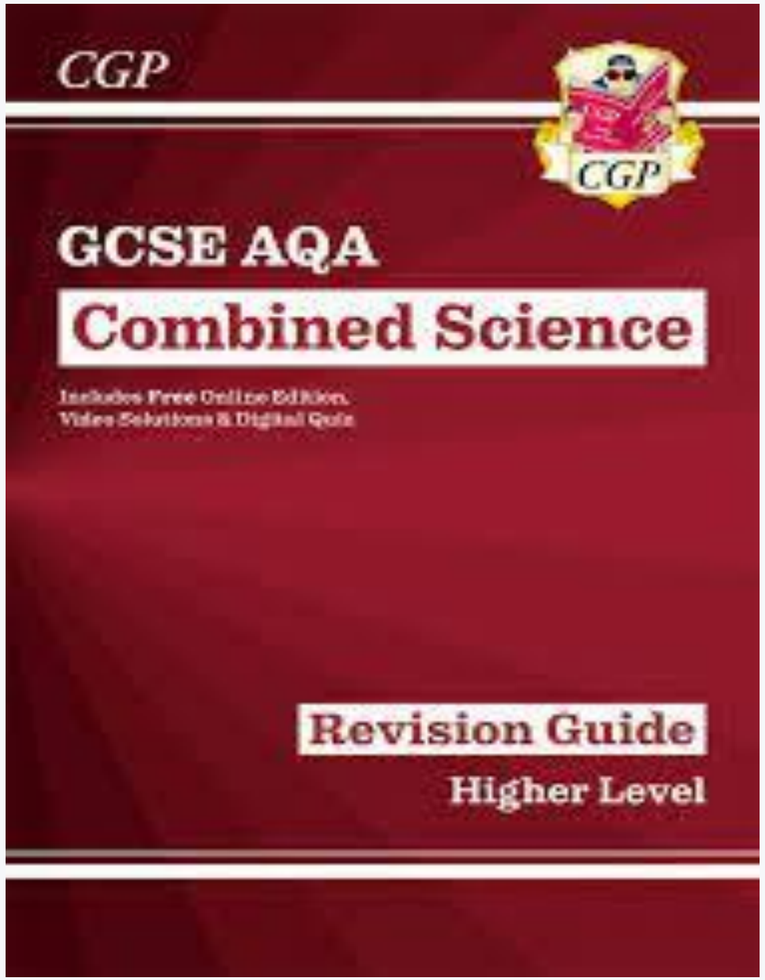
GCSE Science

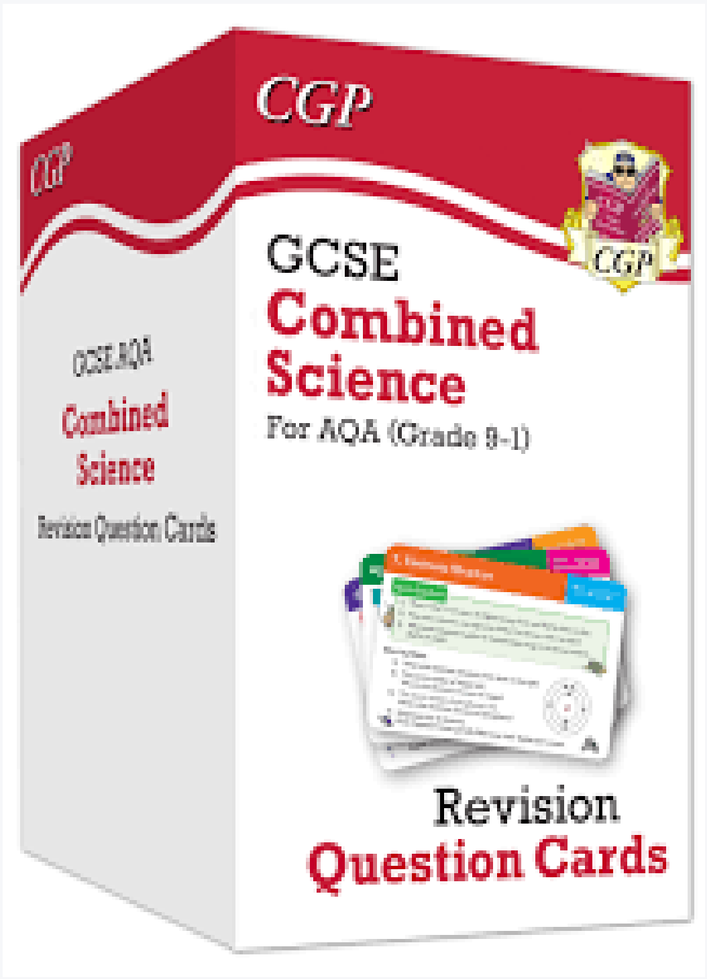
The BEST Revision Guides...

B4.1 Cells and Transport

4.1.1	Cell structure
4.1.1.1 Eukaryotes and prokaryotes 	**Plant and animal cells (eukaryotic cells)** have a true nucleus and membrane-bound organelles. **Bacterial cells (prokaryotic cells)** are much smaller in comparison. They have cytoplasm and a cell membrane surrounded by a cell wall. The genetic material is not enclosed in a nucleus. It is a single DNA loop and there may be one or more small rings of DNA called **plasmids.** Use prefixes centi 1/100, milli 1/1000, micro1/10^6 and nano 1/10^9.
4.1.1.2 animal and plant cells	 **Animal cells have the organelles** Nucleus = controls the cell Cytoplasm = where chemical reactions take place Cell membrane = lets substances in and out of the cell Mitochondria = where respiration happens that releases energy Ribosomes = where proteins are made **In addition to the parts found in animal cells, plant cells often have:** Chloroplasts = where photosynthesis happens Vacuole = where cell sap is stored. Cell wall = made of cellulose, which strengthens the cell.
4.1.1.3 cell specialisation	Cells may be **specialised** to carry out a particular function: • **sperm cells, nerve cells** and **muscle cells** in animals • **root hair cells, xylem** (water transport) and **phloem** cells (sugar transport) in plants.
4.1.1.4 cell differentiation	As an organism develops, cells differentiate to form **different types** of cells. • Most types of animal cell differentiate at an early stage. • Many types of plant cells retain the ability to differentiate throughout life. In mature animals, cell division is mainly restricted to **repair and replacement**. As a cell differentiates it acquires different sub-cellular structures to enable it to carry out a **certain function**. It has become a **specialised cell.**

GCSE Science





GCSE Science

How to revise and build schema for Science:

-100% effort in all lessons
-Period 7
-Knowledge organisers
-Flashcards – especially good for knowledge
-Working collaboratively and quizzing friends
-Revision grids/topic summaries
-Exam questions
-Planning your time, start early so you have time to revisit

Supporting Success:

Sixth Form

Sixth Form


Sherburn
High School
6TH FORM
ACHIEVE YOUR
POTENTIAL
Sixth Form Open Evening
Thursday 16th October 2025
6:00pm - 7:30pm
Join us in Sixth Form
SHS_SIXTHFORM_THRIVING

Supporting Success:

Finishing Year 11

Finishing Year 11

Finishing Year 11

School Holidays

Finishing Year 11

MYTH

Finishing Year 11

Finishing Year 11

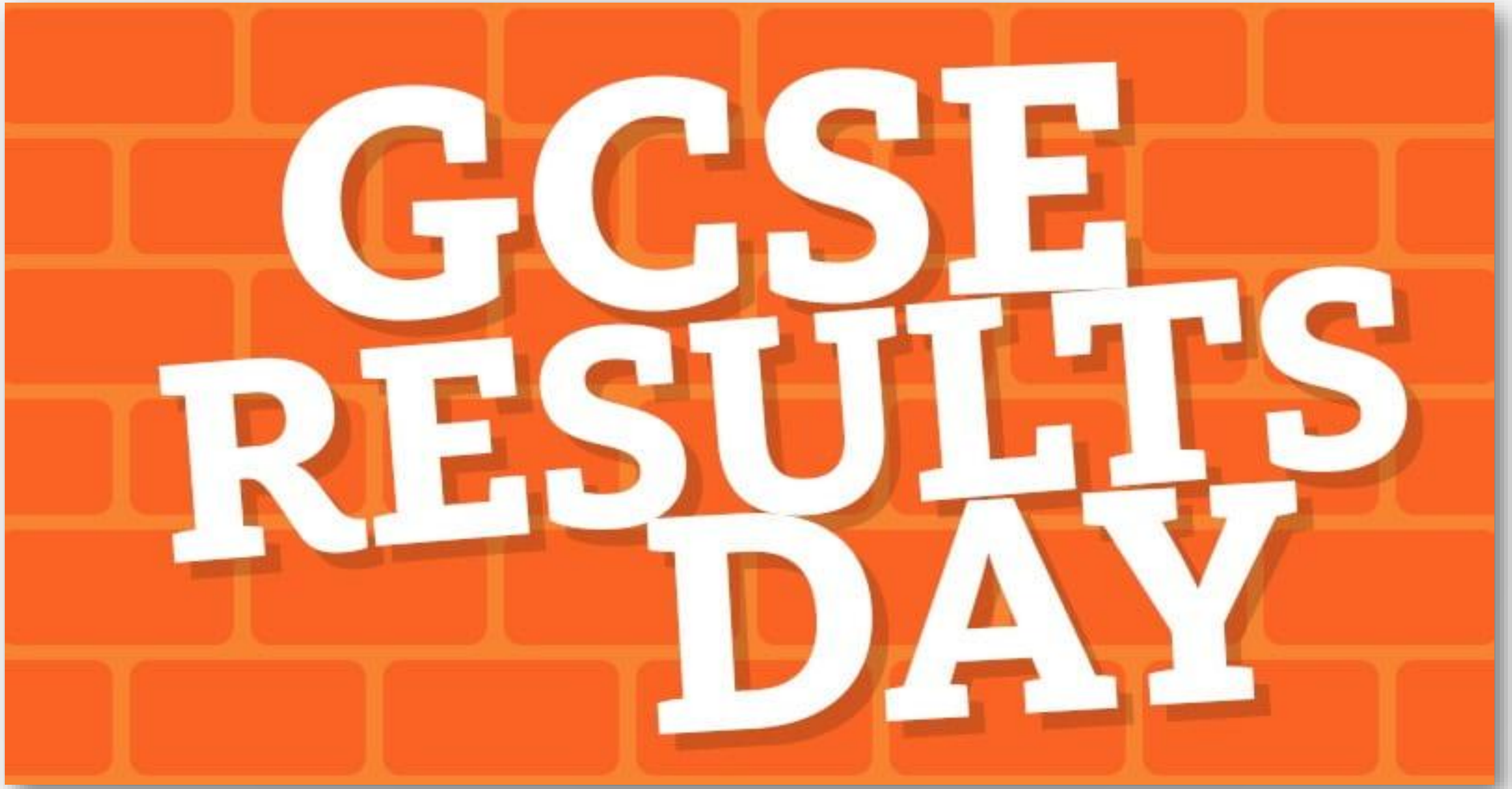
Finishing Year 11

Finishing Year 11

Finishing Year 11

Finishing Year 11

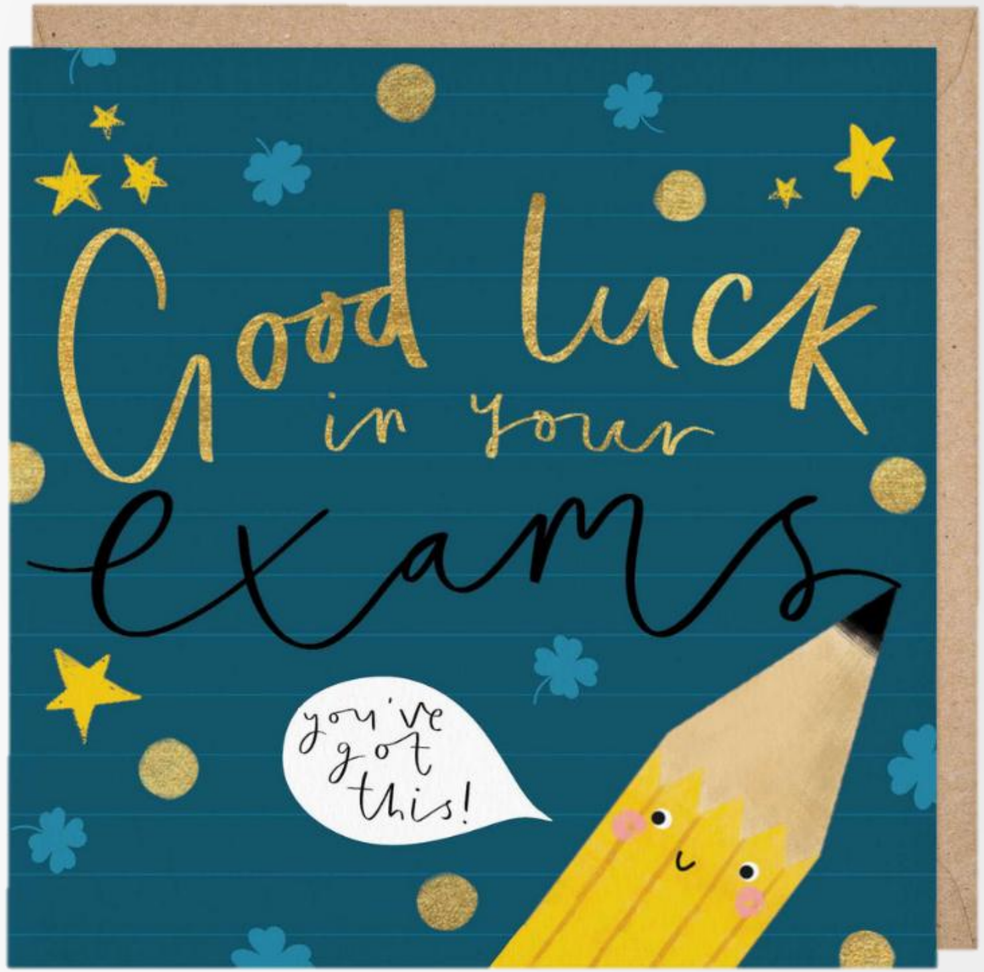
Thursday 21st August 2026



Finishing Year 11

Finishing Year 11

Good luck – Cards / Emails



FAO: Ms Wadsworth

Needed by Wednesday 14th January

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


“This is an environment where success is inevitable.”

Supporting Success:

This is an environment where success is inevitable