



Supporting your child through GCSE Maths, English & Science

07 November 2024





Why have we invited you?

*“Parental support is **eight times** more important in determining a child’s academic success than any other factor”*

Campaign for learning




Email
address

info@telfordlanglesyschool.co.uk





During this session

- We will explain what intervention and support we have in place
 - We will show you some of the resources we use
 - We will show you resources you can use with your child at home
- 

Year 11 in numbers... (from 24th Oct)

➤ School days until your first mock exam...

15 school days



➤ School days until Christmas holidays

35 school days



➤ School days until the GCSE Summer window...

110 days

(5th May -20th June 2025)

➤ Actual days until your GCSE results...

301 days

(21st August 2025)

Key dates

Mock window 1: Monday 25th November – Tuesday 10th December

Parents evening: Thursday 6th Feb

Mock window 2: 3rd March

Revision classes in holidays and weekends: Spring term

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Y11 Mock Exam Timetable



Morning Exams:

Students stay in the Heart Space and then make their way to the Sports Hall at 8.35am

Afternoon Exams:

Students go to Sports Hall at end of lunch

Morning Exam (9am start)	Date	Afternoon Exam (1pm start)
English Language - component 1 (1h45m)	Mon 25 Nov	Geography (1h30m)
Maths P1 - non calculator (1h30m)	Tues 26 Nov	Biology Trilogy (1h15m) Biology Triple (1h45m)
English Language - component 2 (2h)	Wed 27 Nov	Business (1h45m) Citizenship (1h30m)
Maths P2 - calculator (1h30m)	Thurs 28 Nov	Chemistry Trilogy (1h15m) Chemistry Triple (1h45m)
English Literature - component 2 (2h 30m)	Fri 29 Nov	Engineering (1h) Food Preparation & Nutrition (1h)
Maths P3 - calculator (1h30m)	Mon 2 Dec	Creative iMedia (1h30m)
History (2h 15m) - 1st USA: Nation of Contrasts 1910-1929 (1h), 2nd Crime & punishment (1h 15m)	Tues 3 Dec	Physics Trilogy P1 (1h15m) Physics Triple P1 (1h45m)
English Language Component 1 Y10.7 and Y10.8 (1h 45m)	Wed 4 Dec	PE VCERT Whole Y11 cohort Health and fitness P1 (1h30m)
DT GCSE (2h) Statistics (1h 30m)	Thurs 5 Dec	Business P2 (1h 45m)
French reading (F: 45m H:1h) & writing (F: 1h H: 1h15m) Graphics Design (1h30m)	Fri 6 Dec	Health and Social Care (1h15m)
Art - (all day) (Go to Art 1 at 8.25am)	Mon 9 Dec	Art - (all day)
Art - (all day) (Go to Art 1 at 8.25am)	Tues 10 Dec	Art - (all day)
	Wed 11 Dec	
	Thurs 12 Dec	
	Fri 13 Dec	



GCSE Maths

Paper 1 (Non calculator)

Thursday 15th May 2025

Paper 2 (Calculator)

Wednesday 4th June 2025

Paper 3 (Calculator)

Wednesday 11th June 2025

GCSE English

Literature

Component 1: **12th May 2025**

Component 2: **20th May 2025**

Language

Component 1: **23rd May 2025**

Component 2: **6th June 2025**

GCSE Science

Paper 1

Biology: **Tuesday 13th May**

Chemistry: **Monday 19th May**

Physics: **Thursday 22nd May**

GCSE Science

Paper 2

Biology: **Monday 9th June**

Chemistry: **Friday 13th June**

Physics: **Friday 16th June**

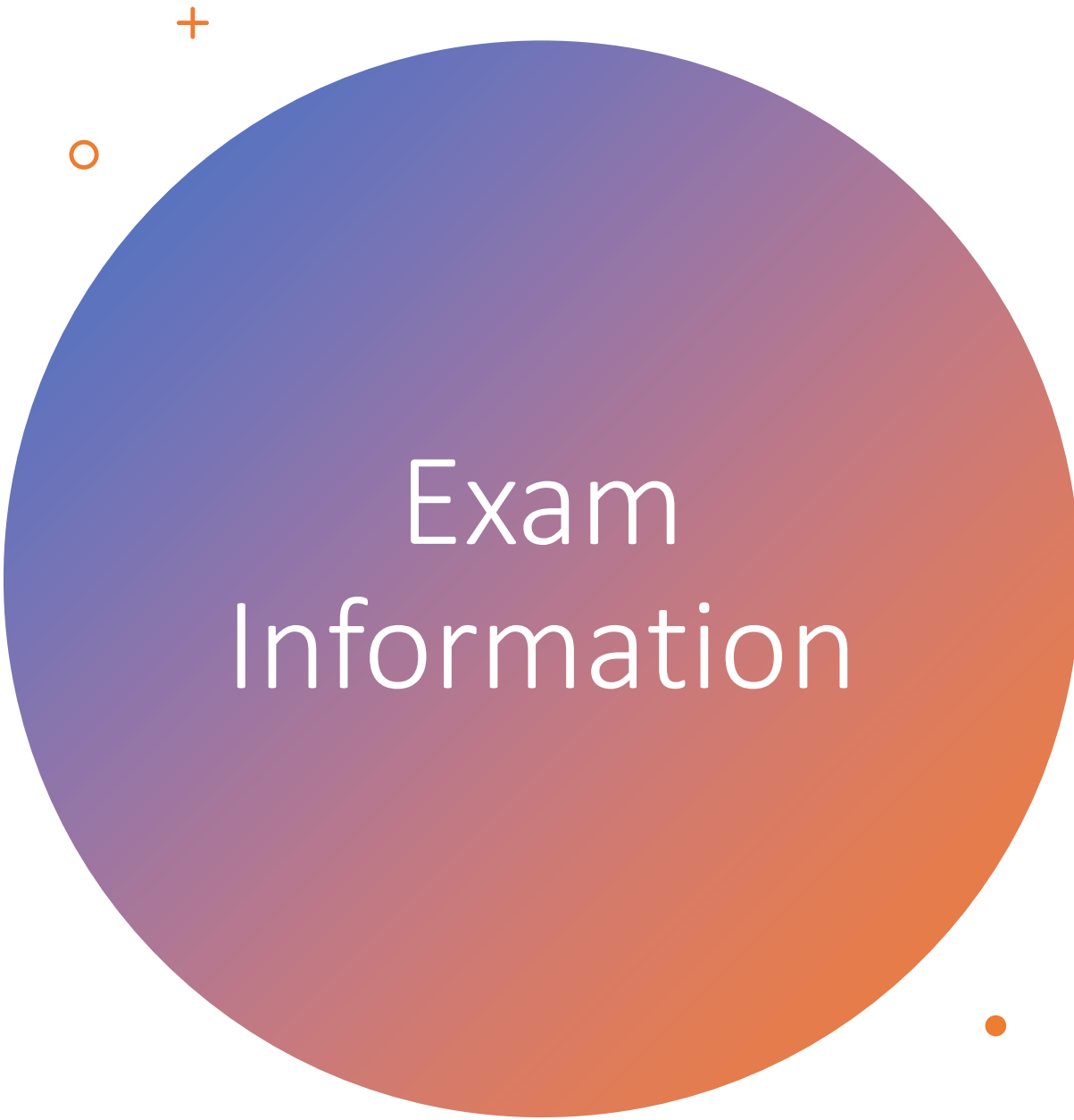
Intervention

		Monday	Tuesday	Wednesday	Thursday	Friday
INTERVENTION	WEEK 1	Quiet revision - LRC	Art (AR1) Health and Social (DT1) Interactive Media (41) SCIENCE (Trilogy and Triple) French (45)	MATHS	Geography (10) + Performing arts (MU1)	DT, Engineering and Graphics (DT1) History (21)
	WEEK 2	Quiet revision - LRC Business GCSE (40) Art (AR1)	Health and Social (DT1) NCFE PE (17) Interactive Media (41) SCIENCE (trilogy and Triple)	MATHS	ENGLISH French (43)	DT, Engineering and Graphics (DT1)



GCSE Maths





Exam Information

Exam board: Edexcel

Foundation: Grades 1 – 5

Higher: Grades 3 – 9

3 papers – each 90 minutes and
worth 80 marks (240 marks total)

Paper 1: Non calculator

Paper 2 and 3: Calculator



In school...

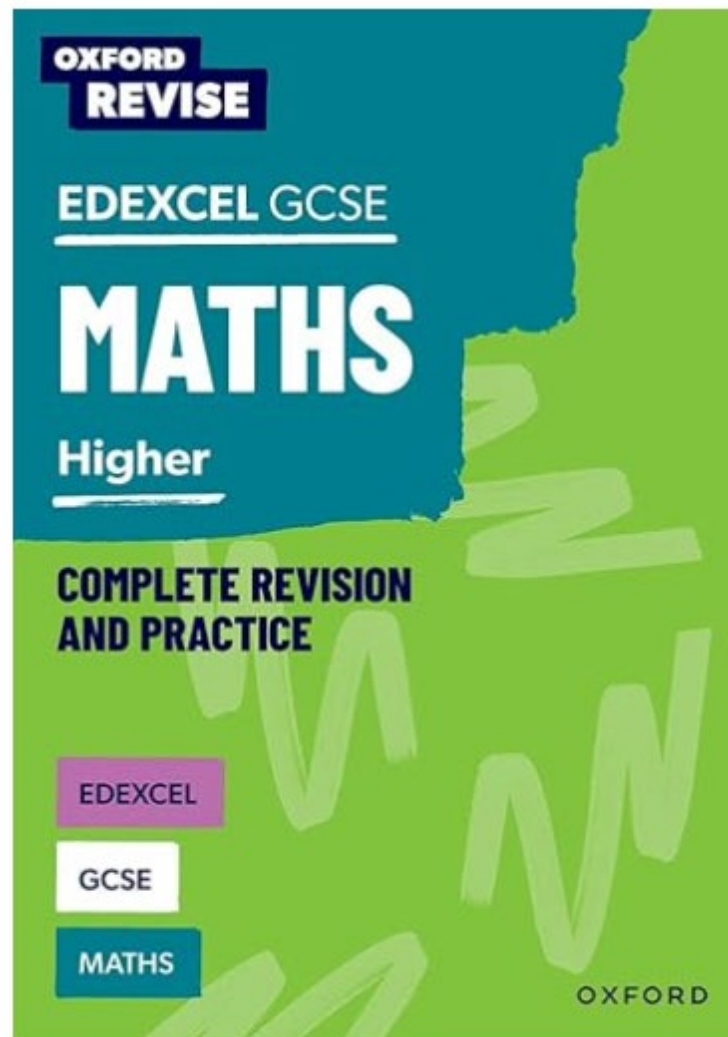
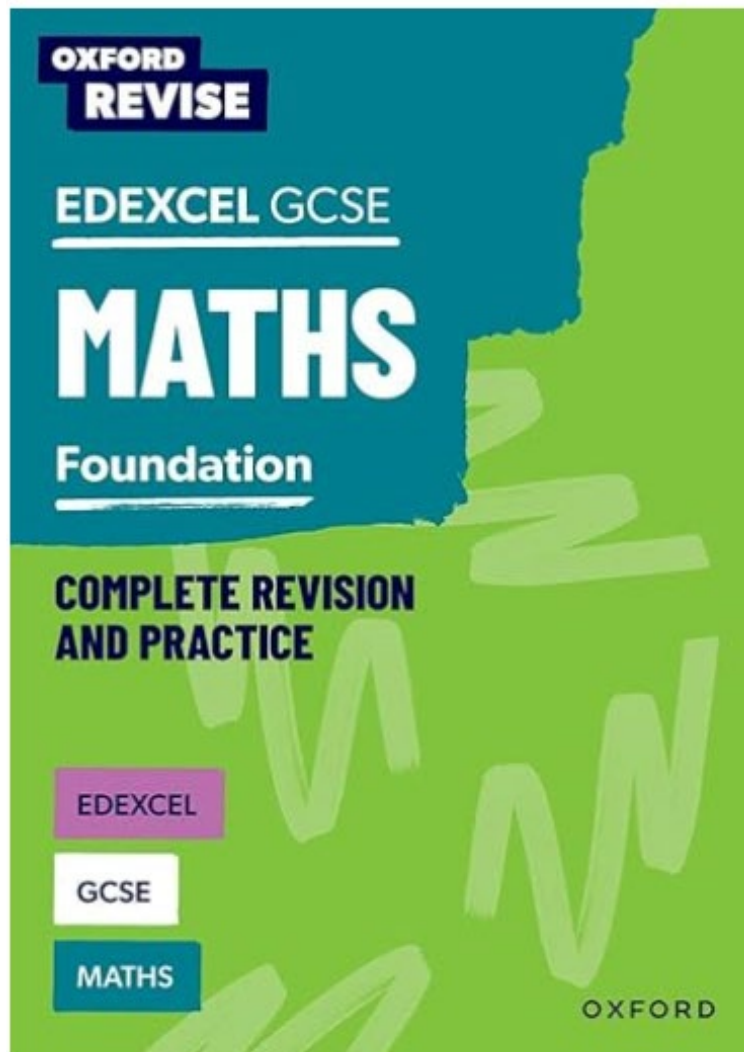
- Lessons targeted using White Rose Maths SOL
- After school Intervention : Wednesday

Opportunity to access further support from their teachers, develop exam technique and further their understanding of topics being taught during lessons

- Personalised Learning Checklists (PLCs) given to pupils following formal assessments
- Class work uploaded to Teams regularly so that pupils can access the work done in class
- Regular work set on Sparx to support pupils understanding of topics



Sparx Maths



Revision resources

All pupils will receive a guide/workbook

Sparx Maths

<https://f.hubspotusercontent30.net/hubfs/5530880/KB Resources Summer 2021/Parent video v2.mp4>

How to log in for the first time: <https://f.hubspotusercontent30.net/hubfs/5530880/KB How to Videos - Spring 2021/How students log in.mp4>

Sparx information for students: <https://f.hubspotusercontent30.net/hubfs/5530880/KB Resources Summer 2021/Sparx Homework for students.mp4>

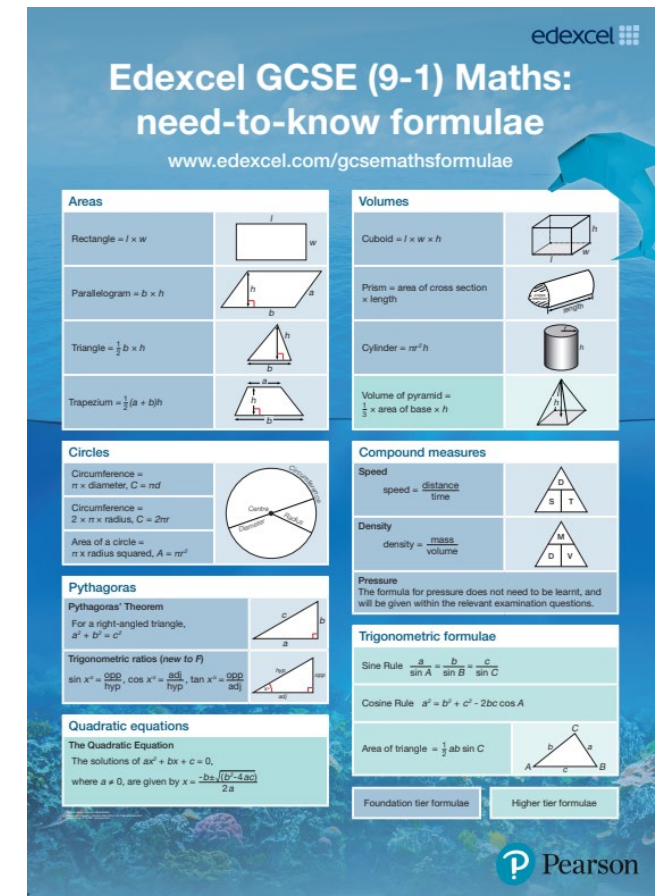


We're combining the best of both, using expertise from Hegarty Maths and Sparx to improve learning outcomes.

Pupils taking maths, physics and combined science GCSEs will not need to memorise formulae and equations for their exams for the next three years, the Education Secretary has said.

Bridget Phillipson has asked England's exams regulator Ofqual to continue providing formulae and equation sheets to GCSE pupils in these subjects in 2025, 2026 and 2027 to recognise pandemic disruption.

Need to know formulae



edexcel

Edexcel GCSE (9-1) Maths: need-to-know formulae

www.edexcel.com/gcsemathsformulae

Areas	Volumes
Rectangle = $l \times w$	Cuboid = $l \times w \times h$
Parallelogram = $b \times h$	Prism = area of cross section \times length
Triangle = $\frac{1}{2} b \times h$	Cylinder = $\pi r^2 h$
Trapezium = $\frac{1}{2} (a + b) h$	Volume of pyramid = $\frac{1}{3} \times$ area of base $\times h$

Circles	Compound measures
Circumference = $\pi \times$ diameter, $C = \pi d$	Speed = $\frac{\text{distance}}{\text{time}}$
Circumference = $2 \times \pi \times$ radius, $C = 2\pi r$	Density = $\frac{\text{mass}}{\text{volume}}$
Area of a circle = $\pi \times$ radius squared, $A = \pi r^2$	Pressure The formula for pressure does not need to be learnt, and will be given within the relevant examination questions.

Pythagoras	Trigonometric formulae
Pythagoras' Theorem For a right-angled triangle, $a^2 + b^2 = c^2$	Sine Rule $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$
Trigonometric ratios (new to P) $\sin x^\circ = \frac{\text{opp}}{\text{hyp}}$, $\cos x^\circ = \frac{\text{adj}}{\text{hyp}}$, $\tan x^\circ = \frac{\text{opp}}{\text{adj}}$	Cosine Rule $a^2 = b^2 + c^2 - 2bc \cos A$

Quadratic equations	Area of triangle
The Quadratic Equation The solutions of $ax^2 + bx + c = 0$, where $a \neq 0$, are given by $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$	Area of triangle = $\frac{1}{2} ab \sin C$

Foundation tier formulae Higher tier formulae

Pearson

Some websites that we use that will be helpful to you at home:

www.sparx.co.uk

www.corbettmaths.co.uk

www.mathsgenie.co.uk

www.mymaths.co.uk

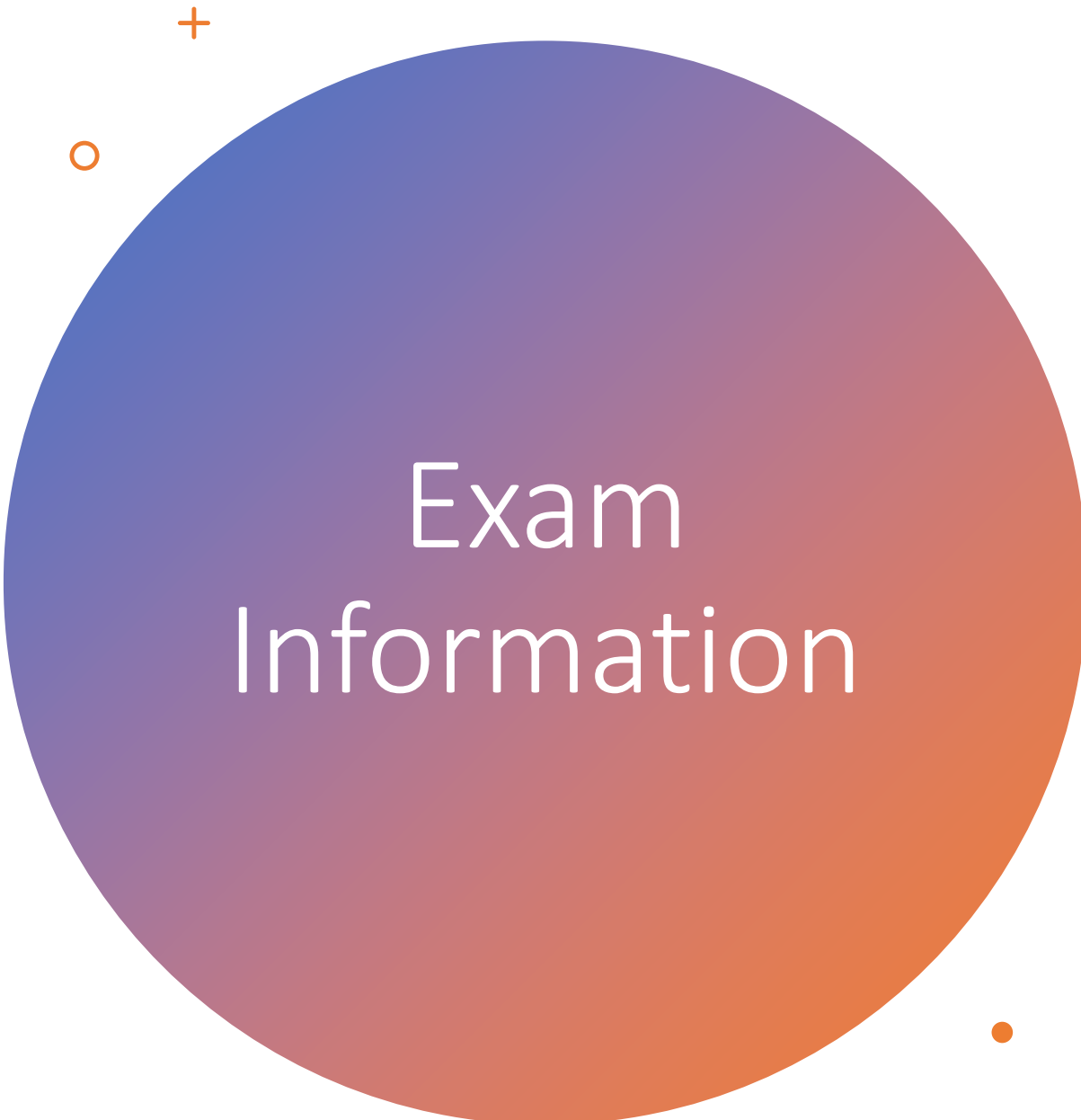
www.gcsebitesize.co.uk

www.mrbarton.co.uk

www.thenational.academy

GCSE English

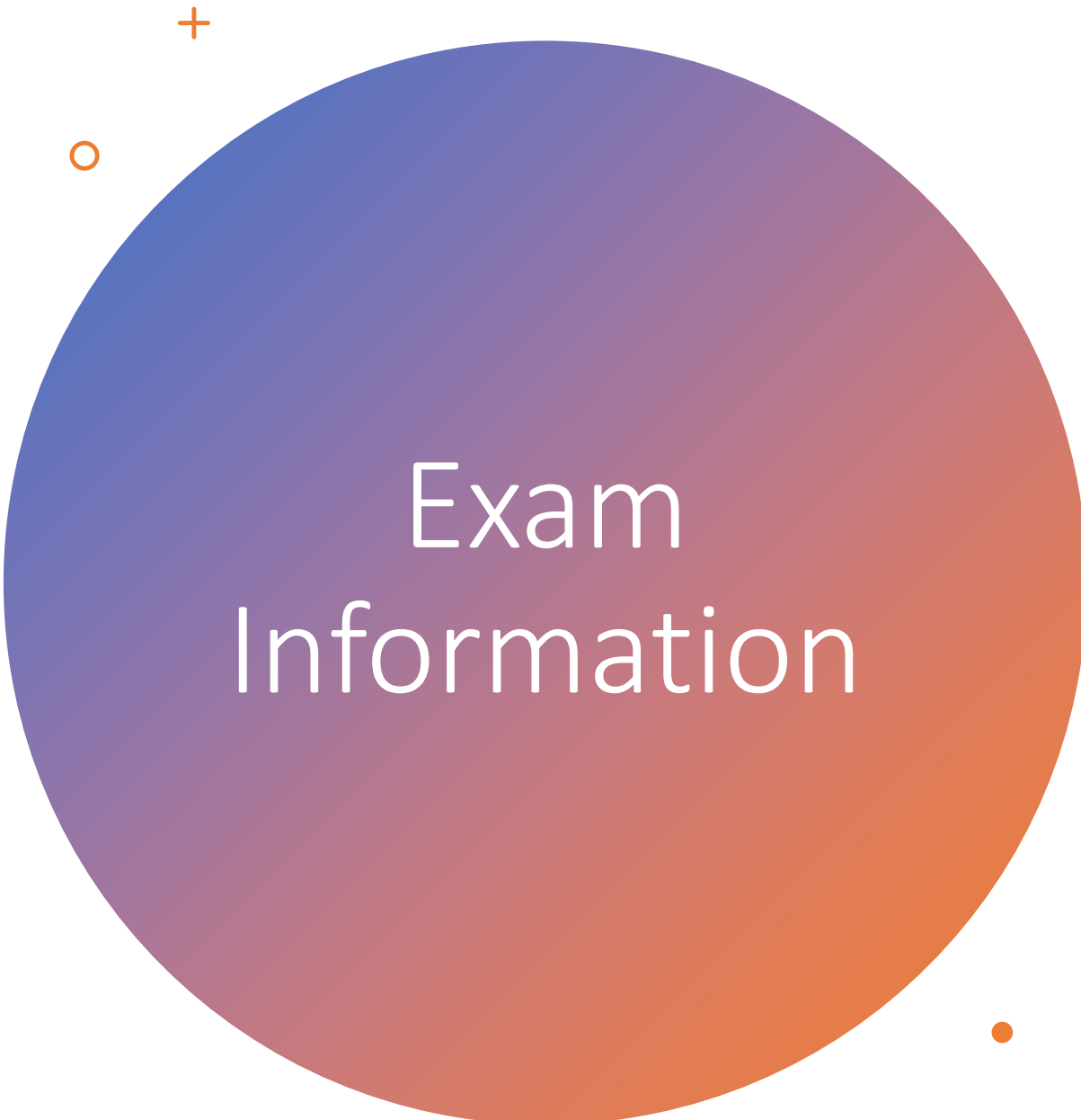




Exam Information

Exam board: EDUQAS GCSE ENGLISH LANGUAGE

- GCSE English Language is an untiered qualification.
- The assessment consists of two externally examined papers, plus a separate Spoken Language Endorsement which is internally assessed in school.
- It is a linear qualification so all examination papers will be taken at the end of the course.



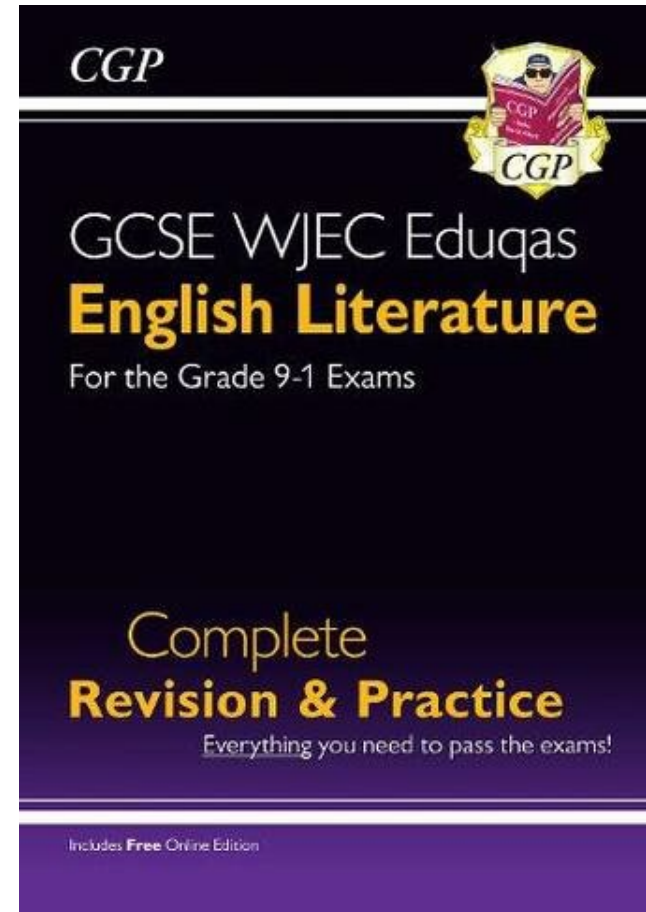
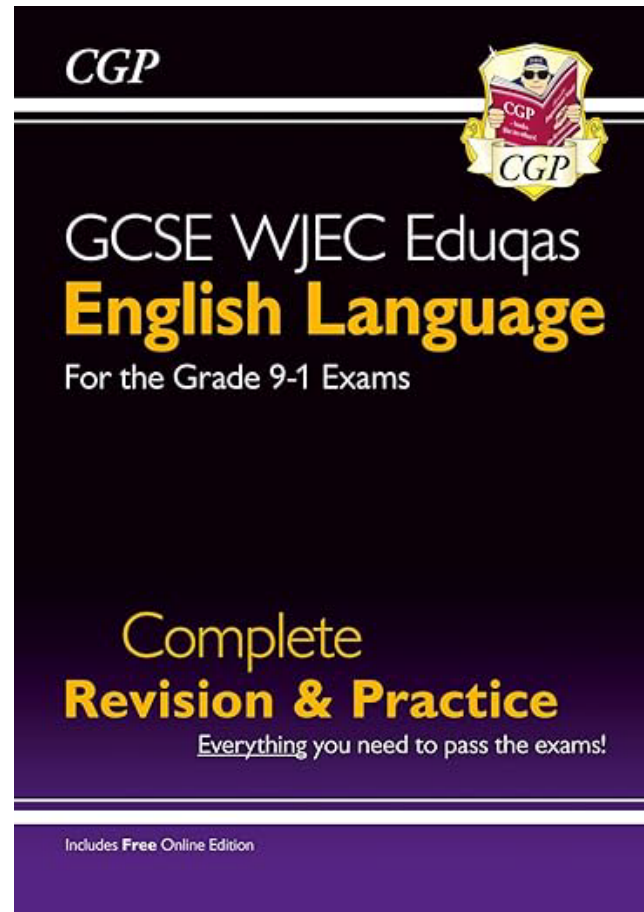
Exam Information

Exam board: EDUQAS GCSE ENGLISH LITERATURE

- GCSE English Literature is an untiered qualification.
- The assessment consists of two externally examined papers. Component 1 examines Shakespeare and poetry. Component 2 examines a 19th Century text, a modern play and unseen poetry.
- It is a linear qualification so all examination papers will be taken at the end of the course.

In school...

- Lessons targeted as a response to COVID with revised curriculum supporting full coverage of all components
- After school Intervention : THURSDAY Week 2
 - Opportunity to access further support from their teachers, develop exam technique and further their understanding of topics being taught during lessons
- Personalised Learning Checklists (PLCs) given to pupils following formal assessments
- Class work uploaded to Teams regularly so that pupils can access the work done in class
- Revision podcast 'Shakespeare to Shelley' supporting revision of all Literature revision areas
- Tutor time guided revision sessions



Revision resources

All pupils will receive a guide which includes practice workbook.



Shakespeare to Shelley: Telford Langley's GCSE Podcast

By Miss Baker

Welcome to 'Shakespeare to Shelley' – your go-to podcast for mastering GCSE Literature at the Telford Langley School. Whether you're navigating your way through the poetry anthology or diving deep into the world of Dickens, our podcast is your key to achieving the highest grades.

Join us as we delve into the pages of the texts you need to know, providing analysis, insights, and valuable tips to help you succeed in your GCSE Literature exams. Miss Baker and some special guests will break down each text, exploring themes, characters, and literary techniques to ensure you're fully prepared.

Revision resources

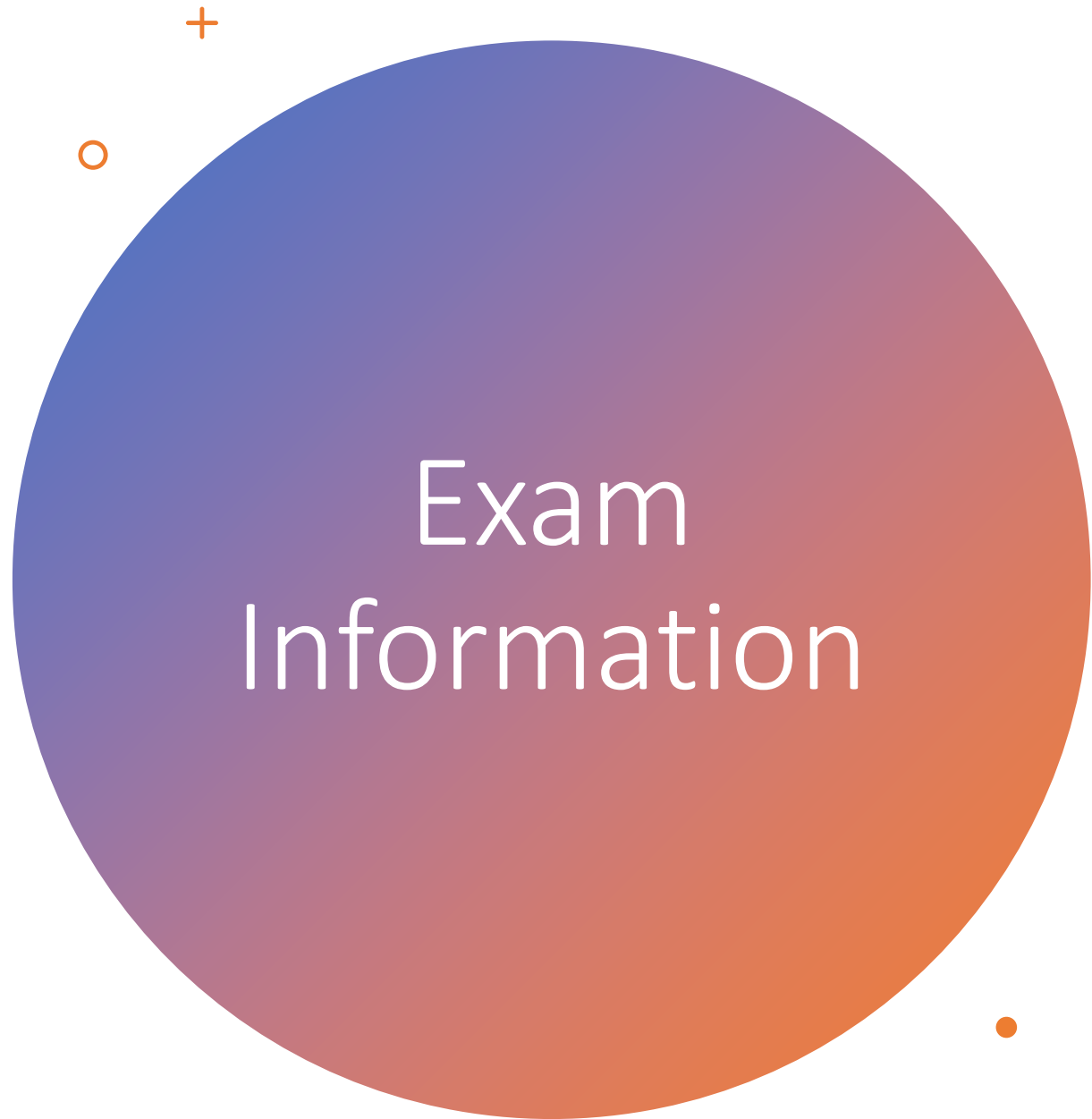
Please encourage students to explore our new production – available wherever you get your podcasts!

Some websites that we use that will be helpful to you at home:

- [GCSE English Language - Eduqas - BBC Bitesize](#)
- [Eduqas Digital Educational Resources](#)
- [Exam Tips: GCSE English Literature \(eduqas.co.uk\)](#)
- [Exam Tips: GCSE English Language \(eduqas.co.uk\)](#)
- [Sign In - myON[®]](#)
- [Shakespeare Learning Zone | Royal Shakespeare Company \(rsc.org.uk\)](#)

GCSE Science





**Exam board: AQA
GCSE Triple Science**

GCSE triple science is tiered,
different tier per subject
(Bio/Chem/Phys)

6 exams total, each 1hr 45
each

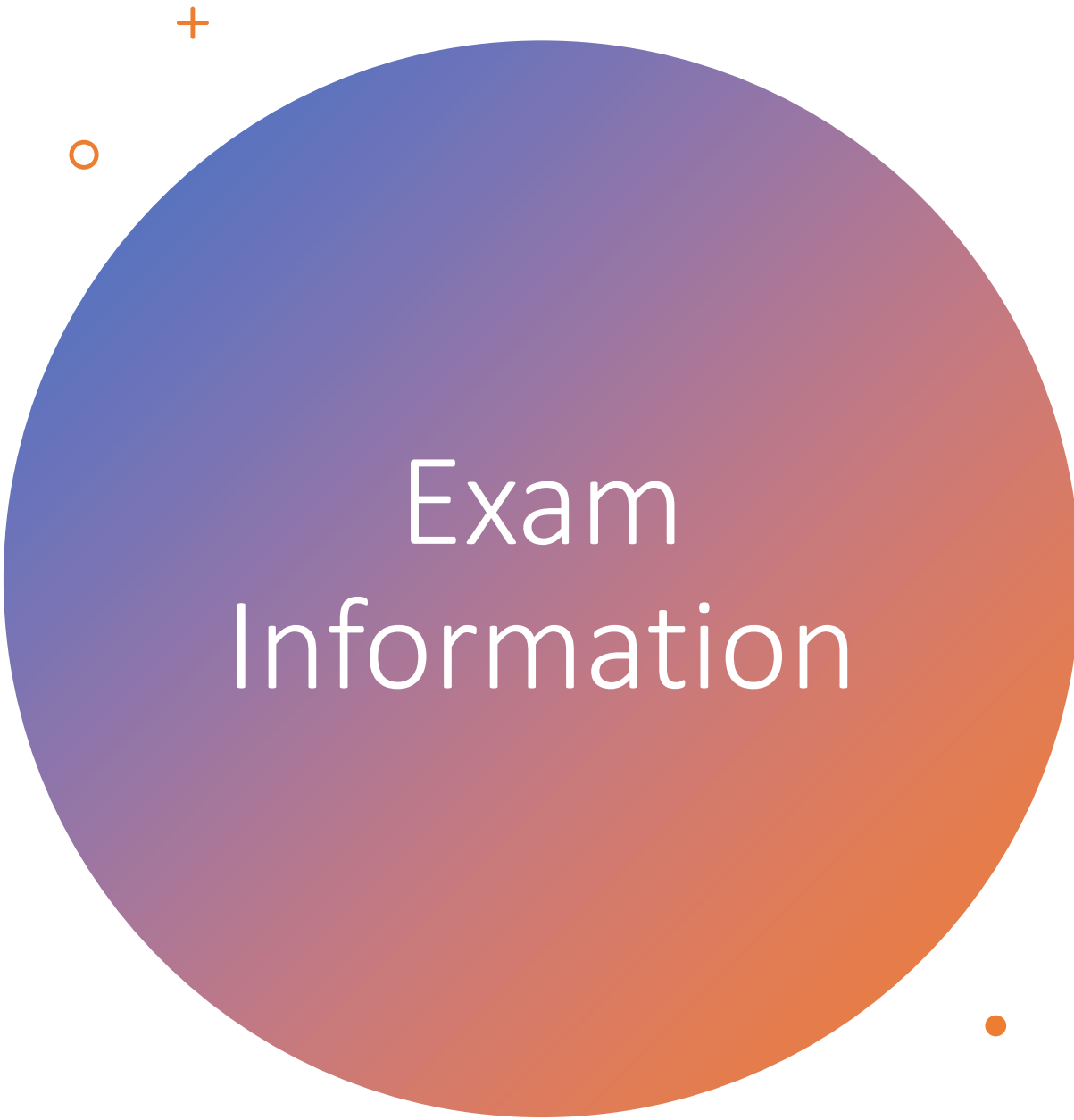
2x Bio

2x Chem

2x Phys

3 individual grades obtained.

3x GCSE grades		
Higher paper grades	9	
	8	
	7	
	6	
	5	
	4	
Foundation paper grades	3	
	2	
	1	



Exam Information

Exam board: AQA GCSE Combined Science

GCSE combined science is tiered, same tier entry for all 3 subjects (Bio/Chem/Phys)

6 exams total, each 1hr 15 each

2x Bio

2x Chem

2x Phys

2 grades obtained.

2x GCSE grades		
Higher paper grades	9.9	
	9.8	
	8.8	
	8.7	
	7.7	
	7.6	
	6.6	Foundation paper grades
	6.5	
	5.5	
	5.4	
4.4		
4.3		
3.3		
3.2		
2.2		
2.1		
1.1		

In school...

- Lessons targeted using AQA specification – order amended
- After school Intervention : Tuesday
- Class work uploaded to Teams regularly so that pupils can access the work done in class
- Access to resources – RED revision cupboard outside prep room, S2 boxes.
- Ms Rutherford also updates Teams – ‘Revision help’ channel and Science area on school website with a range of alternative resources (including revision strategies, past papers and managing exam stress/mental health)
- Friday tutors – divided across Core and geography. Will used for additional interventions once ‘next year’ communications are done

Revision

- Revision guides available to buy through ParentPay

- Websites to use:

-[GCSE Revision Notes & Exam-Style Questions](#) – Save my exams

-[GCSE Science - BBC Bitesize](#) - BBC bitesize

-[Free Maths & Science Revision and Past Papers for A-Level, GCSE and KS3 | Cognito](#)

[Useful revision apps.pdf](#)

Notes	Quizzes	Flashcards	Revision guides	Posters	Exam help	Youtube channels
 Knowunity - Study & Revision Knowunity GmbH Get	 The GCSE Biology App - AQA Practice test app for Biology Get	 Key Cards GCSE AQA Chemistry Murray Hamilton £1.99 Get	 GCSE Science Higher AQA Revise with CGP Get	 GCSE Science Combined Pocket Poster App Get	 Exam Countdown - Sch... Exam & Test Timetable Calen... Get	 Cognito
 SnapRevise: A-level & GCSE SnapRevise Get	 BioQuiz - AQA GCSE Biology Richard Melville Get	 Key Cards GCSE AQA Physics Murray Hamilton £1.99 Get	 GCSE Biology for AQA CGP Get	 Biology GCSE Daydream Education Get		 Free science lessons
 GCSE Science test Annon Design Labs Ltd. Get	 PhysQuiz - AQA GCSE Physics Richard Melville Get		 GCSE Biology Revision Grade Growers Ltd. Get			
 GCSE Biology Revision Revise AQA GCSE Biology (9-1) Get	 ChemQuiz - AQA GCSE Chemistry Richard Melville Get		 Khan Academy You can learn anything Get			
 SimpleStudy: Exams & Revision School Study & Exam Revision Get	 Quizlet: AI-powered flashcards Quizlet Inc. Get		 Science Makes Sense DukeRoberts Revision Get			
 Pocket Notes - GCSE Science Aidan McConnell Get	 Gizmo: AI Flashcards Save AI Get		 BBC Bitesize - Revision BBC Media Application Get			
 AQA GCSE Science Higher Richard Melville Get						



Revision tips...



Does your child say.....?

“I work better with the TV on”

“This loud music helps me to concentrate”

“I can swot up a week before I have an exam”

“No one else is doing any work yet”

“Everything is fine – stop worrying”

“It’s all done with coursework now”

“I did all my homework at lunchtime”

What do
students
need to do
to
succeed?

To complete homework and classwork to the best of their ability

If they get stuck on their homework, past papers or revision get help from your teacher, friends, use the internet, revision guides or ask their family

Maintain a “little and often” approach to revision – starting now!

Don't shy away from tackling the topics they find more challenging

Speak to their class teacher if they have any issues

How can you help? Some practical suggestions!

Encourage good attendance

Essential equipment – scientific calculator

Encourage and help them manage their stress

Help them to put together a realistic revision timetable... that they will stick to!

Make sure they are using Sparx and Teams – you will get updates via email for Sparx

Ensure that they take advantage of all the support provided in school

Guide them to appropriate resources for learning (Revision guide, Sparx, websites and past papers)

Help them with active revision techniques (e.g. Revise in 15 minute bursts, taking breaks in between etc)

Actively revising

EXAM WELLBEING



SAMARITANS 

If you're worrying about exam results, we can help you talk it through.



You matter, we care!

And finally... Enjoy 😊



Enjoy supporting them: have a snack, drink, chat whilst you are helping them.

They will appreciate your time (on the inside).

Be positive – it is important all the time!

Thank you for your continued support