



Year 11 Expectations Evening

Tuesday 9th September 2025

A copy of this presentation will be made available on our website.

Ready.  Respectful. Safe



Agenda



1. Success and Learning: Mrs M Pye (Headteacher)
2. Post 16 Success and Admissions: Ms A Johal (Deputy Headteacher)
3. GCSE Maths: Mr H Shah (Head of Maths)
4. Pastoral support: Mr Dyason (Head of Y11)
5. GCSE English: Ms J Williams (Head of English)
6. Academic Support and independent learning: Ms P Henderson-Barnes (Assistant Head)
7. GCSE Science: Ms Secombe (Head of Science)

End

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Success and Learning

Mrs M Pye, Headteacher

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Lots to Celebrate!



- Strong results across the board at GCSE and A Level.
- Excellent retention into our 6th form.
- Outstanding number of students attending university, including Russell Group universities, Oxford and Cambridge and distinguished London institutions.



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Key Messages

- A crucial year - GCSEs are the gateway to success.
- Your child should expect to be working really hard.
- If you have any concerns about your child's mental health, or the possibility of bullying, stress, anxiety or behaviour concerns, please seek support from your year team.
- We have a wealth of pastoral interventions available, and robust systems to stamp out bullying.



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Contact Details



Please ensure we have up-to-date contact details:

- Postal address
- Home phone
- Mobile phone
- Email.

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Post 16 and Progress



Ms A Johal

Deputy Headteacher

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Post 16



We are very proud of our Post 16 centre - it is excellent.

- **One in three grades** were awarded at the very top end!
- We supported **231 students to progress** onto university or apprenticeships this Summer.
- Our students **thrive academically** and personally.

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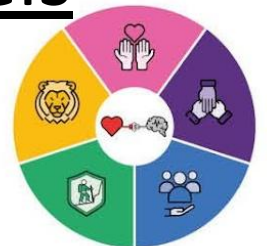


Post 16



- We have over 1500 applications every year for 250 places.
- We usually fill 70% of those spaces from our own Y11 cohort.
- We have a very broad curriculum including over 175 students who study A level Maths.
- We support students who want to study traditional A levels and also BTEC courses.

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Post 16



What is the criteria to join our sixth form centre?

- Good attendance record in Y11 (above 95%)
- Good punctuality.
- Good behaviour in and outside of school as well as exams.
- No suspensions in Y11.

Our admissions policy has been emailed to you and it is available on our website.

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Post 16



To study A levels:

- students will need grades 5 or 6 in E & M plus at least 4 more good passes (5+).

To study BTEC courses:

- students will need grades 4 or 5 in E & M plus 4 more passes.

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Y11 Starting Point



This is where your child was academically at the end of Y10/beginning of Y11. Three questions for your own self reflection:

1. Would these grades enable your child to go into our Post 16 centre?
2. What was their attendance? How can this be improved this year?
3. What about their attitude to learning? How can this be improved?

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Academic Progress



Academic Progress throughout Y11:

- On average, students can go up by one grade from the start of Y11 to their exams.
- Students can go up by 2-3 grades by having a focused programme of revision and independent work.

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Y11 Achievement Programme



Most Schools:

In class

1. Expert teaching.
2. Exam practise.
3. Support in class.
4. Rigorous marking and feedback.
5. Praise.
6. Support and encouragement.
7. Links to revision resources on GC.
8. Feedback to parents.
9. Bespoke resources.

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Y11 Achievement Programme



In class

1. Expert teaching.
2. Exam practise.
3. Support in class.
4. Rigorous marking and feedback.
5. Rewards and shout outs.
6. Intervention sessions after school.
7. Support and encouragement.
8. Links to revision resources on GC.
9. Feedback to parents.
10. Bespoke resources.

Y11 Programme

1. Post 16 mentoring.
2. Meetings for students who need support.
3. E & M workshop for parents.
4. Studio 11.
5. Study skills session for students.
6. Mentoring.
7. SLT data conversations.
8. Daily phone calls for attendance.
9. Mock results Day.
10. Boys group sessions with HAV.
11. Girls' group sessions with HED.
12. Saturday revision sessions.
13. Easter revision sessions.
14. Pastoral support throughout the year.
15. Revision guides for EMS.
16. Post 16 talks.
17. Careers meeting for every student.
18. Support with uniform, equipment, breakfast bars...

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GCSE Maths

Mr Shah

Head of Maths

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Ms Chong

Deputy Head of Maths in Charge of KS4



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Information about the Exam



- **100% Examination to be taken at the end of Year 11**
- Three Linear Papers:
 - Paper 1 - Non calculator
 - Paper 2 - Calculator
 - Paper 3 - Calculator
- Two Tiers:
 - Foundation (OCR) (1-5)
 - Higher (Edexcel)(4-9)

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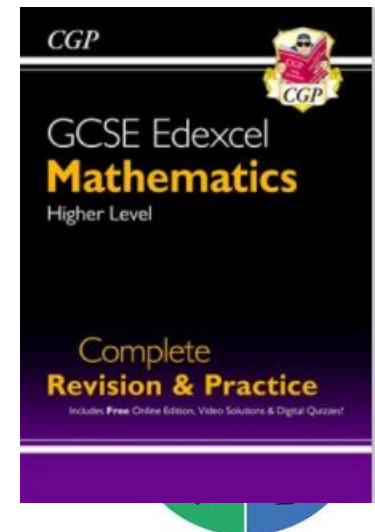


How can I help my child with Maths



- The most effective way of ensuring your child improves at GCSE Maths is to get them to practise as many past papers as possible throughout the course of the year. To ensure this happens, we will be doing weekly past paper practice in class, but it is important that students also do this at home.
- All Yr11 students will be provided with revision guides, which they can use to support them with their papers.

**DON'T PRACTICE
UNTIL YOU GET IT
RIGHT. PRACTICE
UNTIL YOU CAN'T
GET IT WRONG**



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Ratios

Ratios are a pretty important topic — the next three pages should make the whole thing crystal clear.

Writing Ratios as Fractions

3

You can express ratios as **fractions** in different ways.

For example, if a bag of fruit contains apples and oranges in the ratio 2:9, then there are:

- $\frac{2}{9}$ as many apples as oranges, or $\frac{2}{9}$ times as many oranges as apples.
- $2 + 9 = 11$ parts in total. So $\frac{2}{11}$ of the bag are apples and $\frac{9}{11}$ of the bag are oranges.

Reducing Ratios to their Simplest Form

3

To reduce a ratio to a **simpler form**, divide **all the numbers** in the ratio by the **same thing** (a bit like simplifying a fraction — see p.6). It's in its **simpler form** when there's nothing left you can divide by.

EXAMPLE Write the ratio 15:18 in its simplest form.

For the ratio 15:18, both numbers have a **factor** of 3, so **divide them by 3**.

$$\begin{array}{c} +3 \quad 15:18 \\ \swarrow \quad \searrow \\ 5:6 \end{array}$$

We can't reduce this any further. So the simplest form of 15:18 is 5:6.

A handy trick for the calculator papers — use the fraction button

If you enter a fraction with the $\frac{\square}{\square}$ or $\frac{\square}{\square}$ button, the calculator automatically cancels it down when you press $\frac{\square}{\square}$. For the ratio 8:12, just enter $\frac{8}{12}$ as a fraction, and it'll simplify to $\frac{2}{3}$.

Now you just change it back into a ratio, i.e. 2:3.

The More Awkward Cases:

3

- 1) If the ratio contains **decimals** or **fractions** — **multiply**

For fractions, multiply a number that gets rid of both denominators

EXAMPLE Simplify the ratio 2.4:3.6 as far as possible.

- 1) **Multiply both sides by 10** to get rid of the decimal parts.
- 2) Now **divide** to reduce the ratio to its simplest form.

$$\begin{array}{c} \times 10 \quad 2.4:3.6 \\ \swarrow \quad \searrow \\ 24:36 \\ \times 12 \quad \swarrow \quad \searrow \\ 2:3 \end{array}$$

- 2) If the ratio has **mixed units** — convert to the **smaller unit**

EXAMPLE Reduce the ratio 24 mm:7.2 cm to its simplest form.

- 1) **Convert** 7.2 cm to millimetres.
- 2) **Simplify** the resulting ratio. Once the units on both sides are the same, **get rid of them** for the final answer.

$$\begin{array}{c} 24 \text{ mm}:7.2 \text{ cm} \\ = 24 \text{ mm}:72 \text{ mm} \\ \times 24 \quad \swarrow \quad \searrow \\ 1:3 \end{array}$$

- 3) To get to the form **1:n** or **n:1** — just **divide**

This form is often the most useful, as it shows the ratio very clearly.

EXAMPLE Reduce 3:56 to the form 1:n.

Divide both sides by 3:

$$\begin{array}{c} \div 3 \quad 3:56 \\ \swarrow \quad \searrow \\ 1:\frac{56}{3} \end{array} = 1:18\frac{2}{3} \text{ (or } 1:18.\bar{6}\text{)}$$

Warm-Up and Worked Exam Question

Make the most of the help on this page by working through everything carefully.

Warm-Up Questions

- 1) Write these ratios in their simplest forms:
 - a) 4:8
 - b) 12:27
 - c) 1.2:5.4
 - d) $\frac{8}{3}:\frac{7}{6}$
 - e) 0.5 litres:400 ml
- 2) Reduce 5:22 to the form 1:n.
- 3) A recipe uses flour and sugar in the ratio 3:2. How much flour do you need if you're using 300 g of sugar?
- 4) Anja collects mugs. The ratio of red mugs to the total number of mugs is 6:15. Given that Anja has 50 mugs, how many of them are red?
- 5) Divide 180 in the ratio 3:4:5.
- 6) The heights of Niamh, Owen and Maya are in the ratio 5:9:7. Maya is 44 cm taller than Niamh. How tall is Owen?

Worked Exam Questions

I've gone through these questions and filled in the answers like you'll do in the exam, so take a look.

- 1 Mr Appleseed's Supercompost is made by mixing soil, compost and grit in the ratio 4:3:2. Soil costs £8 per 40 kg, compost costs £15 per 25 kg and grit costs £12 per 15 kg. How much profit will be made if 16 kg of Mr Appleseed's Supercompost is sold for £10?

16 kg of Mr Appleseed's Supercompost contains:

$$\frac{4}{9} \times 16 = 8 \text{ kg of soil. } \frac{3}{9} \times 16 = 6 \text{ kg of compost. } \frac{2}{9} \times 16 = 2 \text{ kg of grit.}$$

Soil costs $£8 \div 40 = £0.20$ per kg.

Compost costs $£15 \div 25 = £0.60$ per kg.

Grit costs $£12 \div 15 = £0.80$ per kg.

16 kg of Supercompost costs: $(8 \times 0.2) + (6 \times 0.6) + (2 \times 0.8) = £6.80$

Profit: $£10 - £6.80 = £3.20$

£ 3.2

- 2 In the morning a baker makes x muffins and y pastries. After selling 5 muffins and 3 pastries, the ratio of muffins to pastries is 5:8. She then makes 10 more of each item and the ratio becomes 5:7. Find the values of x and y .

$$x - 5 : y - 3 = 5 : 8 \text{ and } x + 5 : y + 7 = 5 : 7$$

$$\frac{x-5}{y-3} = \frac{5}{8} \text{ and } \frac{x+5}{y+7} = \frac{5}{7}$$

$$8(x-5) = 5(y-3) \text{ and } 7(x+5) = 5(y+7)$$

Expand and simplify to give:

$$8x - 5y = 25 \quad [1] \text{ and } 7x - 5y = 0 \quad [2]$$

$$[1] - [2]: x = 25$$

$$\text{Sub } x = 25 \text{ into [1]: } (8 \times 25) - 5y = 25$$

$$5y = 175, \text{ so } y = 35$$

Turn the two ratios into simultaneous equations, then solve.

$x = 25$

$y = 35$

Exam Questions

- 3 Hannah is making some green paint to paint her kitchen wall. She makes it by mixing together $3\frac{3}{4}$ tins of yellow paint and $1\frac{1}{2}$ tins of blue paint. The tins are all the same size.

- a) Express this ratio in its simplest form.

[2 marks]

- b) How much of each paint will Hannah need to make 2800 ml of green paint?

yellow paint ml

blue paint ml

[2 marks]

- 4 Simone, Ariana, Nasir and Catrin shared £660. Nasir got four times as much money as Catrin, Simone got twice as much money as Nasir, and Ariana got a quarter as much money as Simone.



How much money did Simone get?

£ [3 marks]

- 5 Fabio has a large jar containing only black and green olives. The probability of randomly choosing a black olive from the jar is $\frac{5}{16}$. After eating 1 green and 3 black olives the probability of choosing a black olive is $\frac{3}{10}$.

How many black and green olives were originally in the jar?

Start by finding the ratios of black to green olives before and after he eats some — careful though, the original ratio of black:green isn't 5:16.

Black olives:

Green olives:

[6 marks]

Year Team



Mr B Dyason

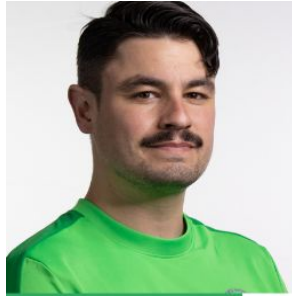
Year Leader

bdyason@greenford.ealing.sch.uk

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Year 11 team



Ms Henderson-Barnes – Attached member of SLT

Mr Dyason – Head of Year 11

Ms Anyamah

Ms Doughty

Mr Bhullar

Deputy Head of Year

Pastoral Support
Worker

Deputy Head of Year

Ms Henderson-Barnes

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Mr Dyason bdyason@greenford.ealing.sch.uk

Ms Anyamah banyamah@greenford.ealing.sch.uk

Ms Doughty jdoughty@greenford.ealing.sch.uk

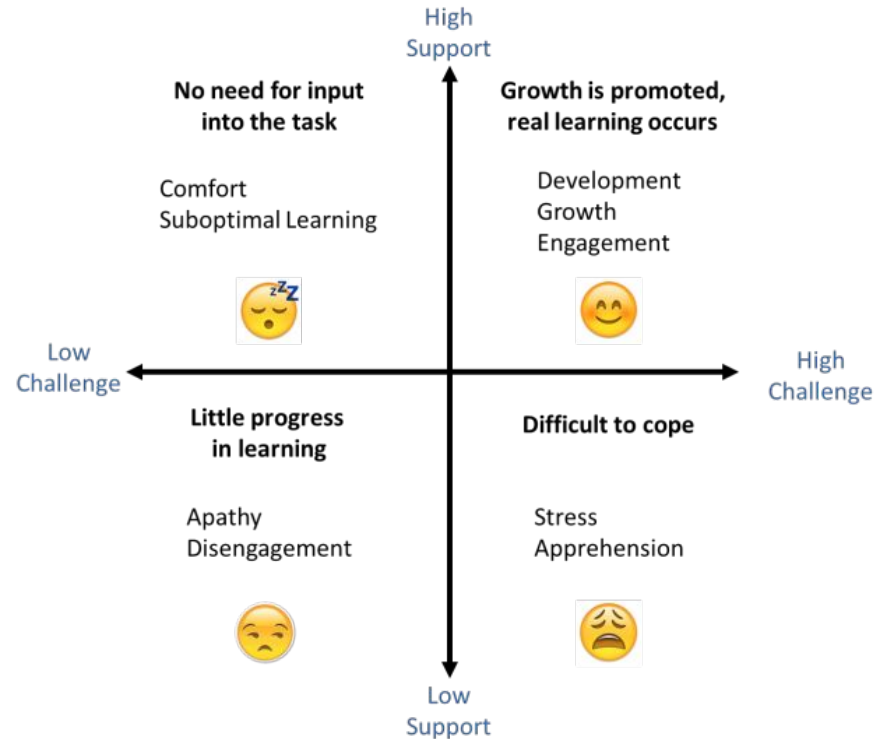
Mr Bhullar bhullar@greenford.ealing.sch.uk



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What can I expect from Mr Dyason and the team?



High challenge and high support

Ready. Respectful. Safe



We are Year 11

Year 9/10 - 'Grit'

"Grit, Effort and Better people make better students"



Year 11 - 'Every Second Counts'

"Time is precious - 9 Months out"

"Time waits for no one"



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Key Information Handout



Greenford High School

Year 11 Revision Ready
information pack



- **Effective Revision Techniques**
- **Revision Timetable**
- **Managing Social Media Use**

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Overview of Behaviour Expectations



For your child to thrive they must:

1. be in school everyday and on time, they cannot afford to miss anything in lessons.
2. be focused in all lessons so that there is no disruption to their learning and that of the other students.
3. be respectful to everyone in our community, they will need their support.
4. engage in prosocial behaviours, being a responsible member of this community.
5. not get any Behaviour Points.

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Safeguarding



Gurvinder Nayyar

Assistant Headteacher of
Inclusion & Designated
Safe-guarding Lead

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Niloo Adhami

Deputy Designated Safe-
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Mental Health Lead

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Rav Dhindsa

Assistant headteacher of
Behaviour & Child
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Angela Thomas

CP Officer & CLA
Coordinator

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GCSE English

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Head of English



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Ms Wellham
Deputy Head of English in Charge of KS4

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AQA English Language GCSE

What do we need to do to be successful?



1 Master was a little crazy; he had spent too many years reading books overseas, talked to himself in his office, did not always return greetings, and had too much hair. Ugwu's aunty said this in a low voice as they walked on the path. 'But he is a good man,' she added.

4 'And as long as you work well, you will eat well. You will even eat meat every day.'

5 Ugwu did not believe that anybody, not even this master he was going to live with, ate meat *every day*. He did not disagree with his aunty, though, because he was too choked with expectation, too busy imagining his new life away from the village. They had been walking for a while now, since they got off the lorry at the motor park, and the afternoon sun burned the back of his neck. But he did not mind. He was prepared to walk hours more in even hotter sun. He had never seen anything like the streets that appeared after they went past the university gates, streets so smooth and tarred that he itched to lay his cheek down on them. He would never be able to describe to his sister Anulika how the bungalows here were painted the colour of the sky and sat side by side like polite well-dressed men, how the hedges separating them were trimmed so flat on top that they looked like tables

10 wrapped with leaves.

15

0 1 1

What does Aunty believe Master was doing while he was overseas?

Going mad

Reading books

Spending too much

Describe a place at sunset from your imagination. You may choose to use the picture provided for ideas.



or

Write the opening of a story about a new beginning.

(24 marks for content and organisation
16 marks for technical accuracy)
[40]

How does the writer use language here to describe Ugwu's impression of the city?

You could include the writer's choice of:

- words and phrases
- language features and techniques
- sentence forms.

0 4

For this question focus on the second part of

'From the moment he arrives at Master's compound, the writer portrays Ugwu's feelings of pure excitement, but by the end it seems that he may be very disappointed.'

To what extent do you agree and/or disagree with this statement?

In your response, you could:

- consider your own impressions of Ugwu's feelings
- comment on the methods the writer uses to describe Ugwu's feelings by the end
- support your response with references to the text.

[20 marks]

0 3

You now need to think about the structure of the source as a whole.

This text is from the opening of a novel.

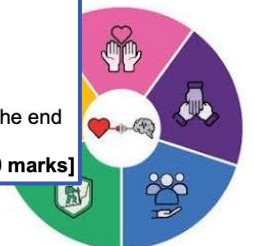
How has the writer structured the text to create suspense about Ugwu meeting Master?

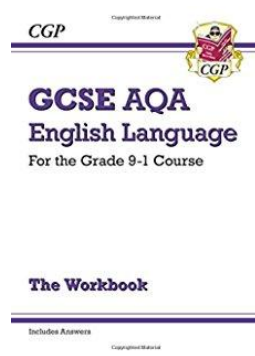
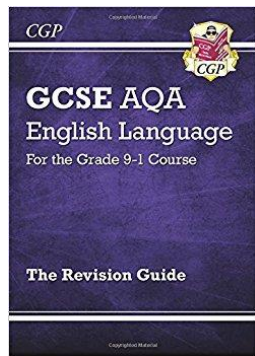
You could write about:

- how suspense about meeting Master is developed throughout the source
- how the writer uses structure to create an effect
- the writer's use of any other structural features, such as changes in mood, tone or perspective.

[8 marks]

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AQA English Language



Paper 1 **Explorations in Creative Reading and Writing**

Section A: Reading

- 1 literature text
40 marks

Section B: Writing

- Descriptive or narrative writing
40 marks

ASSESSED BY EXAM

1 hour 45 minutes- 64 marks
80marks
50% of overall Language GCSE

Paper 2 **Writers' viewpoints and perspectives**

Section A: Reading

- One non-fiction text and one literary non-fiction text
40 marks

Section B: Writing

- Writing to present a viewpoint
40 marks

ASSESSED BY EXAM

1 hour 45 minutes- 64 marks
80marks
50% of overall Language GCSE

How you can help child:

1. Ensure they read every day - fiction and non-fiction.
2. Select a news article to read **together** and ask them to explain what they learn about the **topic discussed**.
3. Ask your child to show you their homework, Google Classroom resources or teacher feedback.

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AQA English Literature

What do we need to do to be successful?

0 1

Macbeth

Read the following extract from Act 1 Scene 7 of *Macbeth* and then answer the question that follows.

At this point in the play, Macbeth is alone. He is thinking about the plan to murder King Duncan.

MACBETH If it were done when 'tis done, then 'twere well
 It were done quickly. If th'assassination
 Could trammel up the consequence and catch
 With his surcease, success, that but this blow
 5 Might be the be-all and the end-all – here,
 But here, upon this bank and shoal of time,
 We'd jump the life to come. But in these cases,
 We still have judgement here that we but teach
 Bloody instructions, which being taught, return
 10 To plague th'inventor. This even-handed justice
 Commends th'ingredience of our poisoned chalice
 To our own lips. He's here in double trust:
 First, as I am his kinsman and his subject,
 Strong both against the deed; then, as his host,
 15 Who should against his murderer shut the door,
 Not bear the knife myself. Besides, this Duncan
 Hath borne his faculties so meek, hath been
 So clear in his great office, that his virtues
 Will plead like angels, trumpet-tongued against
 20 The deep damnation of his taking-off.
 And pity, like a naked newborn babe
 Striding the blast, or heaven's cherubin horsed
 Upon the sightless couriers of the air,
 Shall blow the horrid deed in every eye,
 25 That tears shall drown the wind. I have no spur
 To prick the sides of my intent, but only
 Vaulting ambition which o'erleaps itself
 And falls on th'other –

0 1

Starting with this speech, explore how far Shakespeare presents Macbeth as an ambitious character.

Write about:

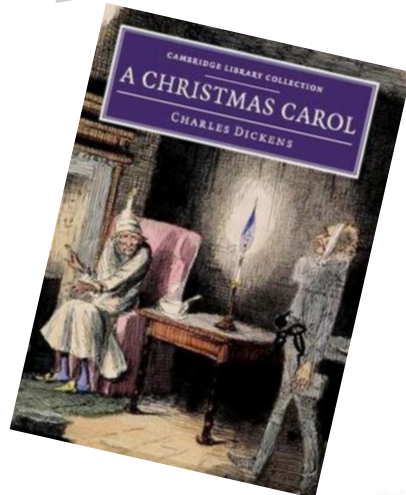
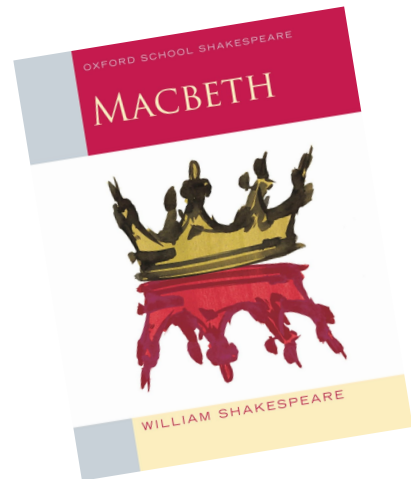
- how far Shakespeare presents Macbeth as an ambitious character in this speech
- how far Shakespeare presents Macbeth as an ambitious character in the play as a whole.

[30 marks]
AO4 [4 marks]

1. Know your text by reading and re-reading
2. Learn your big ideas and quotations
3. Practise essays in timed conditions



AQA English Literature



Paper 1

Shakespeare (Romeo and Juliet) and the 19th-century novel (Jekyll & Hyde/A Christmas Carol)

Section A: Shakespeare

- 1 essay question
30+4 marks

Section B: 19th-century novel

- 1 essay question
30 marks

ASSESSED BY EXAM

1 hour 45 minutes- 64 marks
40% of overall Literature GCSE

Paper 2

Modern Texts (Animal Farm/ An Inspector Calls) and poetry

Section A: Modern Prose or Drama

- 1 essay question (30+4 marks)

Section B: Power and Conflict Poetry Comparison

- 1 essay question comparing two of the 15 poems they have studied (30 marks)

Section C: Unseen Poetry and Comparing Unseen Poetry

- 2 essay questions first one longer than the second (24 marks; 8 marks)

ASSESSED BY EXAM

2 hours 15 minutes- 96 marks
60% of overall Literature GCSE



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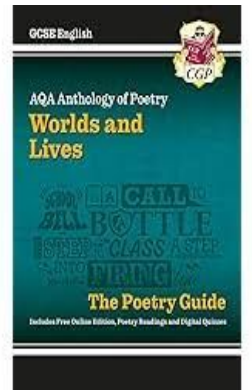
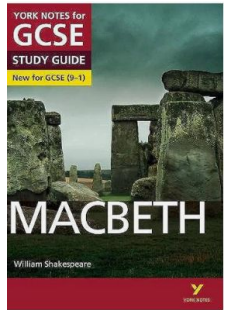
How Can I Help my Child with English Literature?



1. Ensure your child is in for every lesson so that they do not miss out on specific topics that could come up in the exam.

2. Encourage them to start making revision notes from now to support in mocks as well as summer exams.

3. Read or listen to the audiobook of the texts your child is studying for yourself and quiz them. Ask them to explain their essays to you.



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Final Key Message: Success in Language and Literature



- Examiners remained concerned about the effect of unhelpful information on social media. Indeed, it may be that this contributed to some of the concerns expressed above. Students are advised that, as with all online information, the quality of advice offered online about this subject varies greatly and they should trust reliable sources – like their teachers – above influencers.

Trust us! Your teachers are experts and our department is one of the best in the country.

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Bespoke Parent Session- Revising for English



You *can* revise for English Language and Literature! To achieve top grades, you must be prepared to go above and beyond.

How can we help Parents?

- A bespoke parent session where we guide you through the Language and Literature papers and give you key insight into what examiners are looking for
- Show you how you can support your child with their flashcards
- Help you support your child with organising their revision for their English GCSEs
-



Please look out for communication about this; if you are invited, please come.

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KS4 Intervention & Academic Support

Ms P Henderson-Barnes
Assistant Headteacher

phendersonbarnes@greenford.ealing.sch.uk

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Our students are proudly studying for 9 GCSEs.



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1. Attendance Matters



Impact on Lessons and Learning

Student Attendance (%)	Number of days off a year	Number of actual lessons missed
95%	10 days absence	60
90%	19 days absence	114
85%	29 days absence	174
80%	38 days absence	228
75%	47 days absence	282

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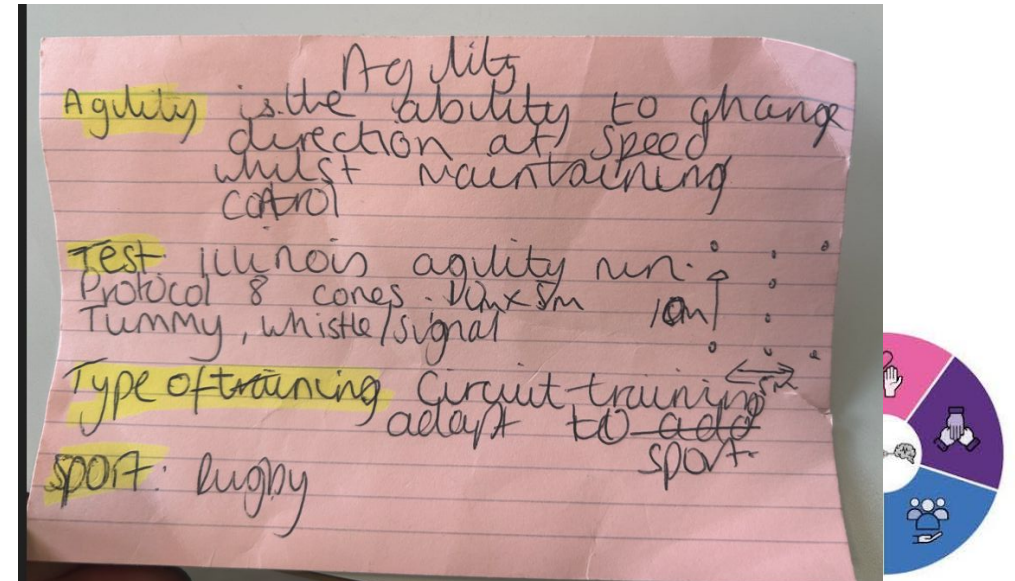


2. Organisation

1. Folders/ notes separated by topics.
2. Having an organised space.
3. Having a calendar of key dates.
4. Having a revision timetable.

Month Of _____

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday



Revision Timetable for Year 11 Top Tips for creating a revision timetable:

Never stick to one subject for more than 60 minutes. 30 minute chunks are ideal, plan for breaks and spread revision out easily. Leave lots of time for relaxing, exercising, doing something creative.



Activity/Subject	Monday 30 mins x 4	Tuesday	Wednesday	Thursday	Friday	Saturday 22nd 45 mins x 4 → D	Sunday 23rd
Core subject 1	Eng Long	Eng Lit	Sci-Bio	Sci-Chem		Eng Lit	Sci-phys
Break							
Core subject 2	Maths paper 1	Maths paper 2	Maths paper 3	Eng Long		Maths Paper 1+2	Maths paper 3
Break							
Option subject 1	History	DT	History	PE		Spanish	DT
Break							
Option subject 2	PE	Spanish	DT	Spanish		History	PE
Free time activity			Football training		mosque	Football match.	Church
Effort counts twice activity	Create flashcards x 5	2x brain dumps	Create flash cards x 5	2x brain dumps		create flash cards x 5	exam paper

Achievement task for this week:

creating a revision timetable in form.

3. Active learners

1. Active learners put their hands up in lessons and ask questions.
2. Active learners go over content and practise key skills.
3. Active learners are responsible for meeting deadlines i.e. coursework.



4.Homework- different from revision



- Homework could be flip learning- pre learning before the lesson, revision, exam practise etc.
- The difference between a grade 4 and a grade 5/6+ is how much work your child does at home.
- Top Tip
 - Mon to Thu: Y11 complete homework: suggested 2 hours per evening.
 - Sat & Sun: Revision throughout Y11 for 3 hours per day.
- Sometimes its online- but please monitor.



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What do we need from you?



'Parental engagement has a positive impact on average of 4 months' additional progress. It is crucial to consider how to engage with all parents to avoid widening attainment gaps.'
EEF 2023

- Where possible, provide your child with a **study area**.
- Your child will be studying for 9 GCSEs this year: support them with how **to spread their time over all of their subjects**.
- Ensure your child is **sleeping at least 8 hours** per night.
- Encourage your child to **have breakfast and keep hydrated**.
- Look out for our **newsletters** that are sent out each half-term.

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Key dates for term 1



TERM	Type of assessment	Week Beginning
1	Assessment Week	29th September
	Interim 1	20th October
	Mock exams – EBACC subjects (English, Maths, Science, MFL)	10th November
	Mock exams – all subjects	8 th & 15 th December

COMMUNITY COMPASSION COURAGE RESPONSIBILITY RESILIENCE



Studio 11



An after school lecture-style intervention where students will be taught by GHS staff

Monday – Thursday, 3pm – 4pm

- Students will be **selected** for the opportunity to work after school.
- We will be running **workshops** to improve study skills.
- Students will have **opportunities to get 1:1 support** from staff/post-16 students.
- Students will have access to chrome books.
 - **Monday: English**
 - **Tuesday: Science**
 - **Wednesday: Maths**
 - **Thursday: Option/ revision/ homework**

COMMUNITY COMPASSION COURAGE RESPONSIBILITY RESILIENCE





GCSE Science

Mrs C Secombe

Head of Science

csecombe@greenford.ealing.sch.uk



COMMUNITY COMPASSION COURAGE RESPONSIBILITY RESILIENCE



Information about the course



AQA Separate Science

Labelled as 11corY_ or 11corX_.

- Students will achieve 3 GCSEs.

e.g. Bio:Grade 6

Chem:Grade 7

Physics:Grade 9

AQA Combined Science

Mixed ability classes named after their main teachers e.g. 11ySEO

- Students will achieve a double GCSE qualification

e.g. 6-6 or 7-6 or 7-7

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AQA Science



What do students need to do to be successful?

1. Memorise the content + quiz yourself on it
2. Go back to old content regularly
3. Practise real exam questions + mark them

My Educake			
Revision wizard >			
Your Upcoming Quizzes			View all your quizzes
Subject	Quiz name	Assigned by	Due
Biology	Biology Homework 130 Qs	Mrs Secombe	In 7 days

Study and Quiz Yourself	KS3	GCSE
GCSE Science - AQA	61%	
Biology	60%	
Chemistry	66%	
Physics	59%	
Maths for Science	0%	
Working Scientifically	0%	
IGCSE Science - Cambridge	62%	
Biology	62%	
Chemistry	69%	
Physics	59%	

Biology Topic: Cell Biology	
Revision Guide: Higher = pg. 11-23 Foundation = pg. 11-23	
Quizlet link:	
Key Question	Answer
What is a Eukaryotic cell?	A cell with a nucleus containing DNA. Examples = Plant and Animal Cells
What is a Prokaryotic cell?	A cell without a nucleus (DNA is loose). Example = Bacteria Cell
Which parts are in an animal cell?	Nucleus, Cell membrane, Cytoplasm, Mitochondria, Ribosomes
Which parts are in a plant cell?	Nucleus, Cell membrane, Cytoplasm, Mitochondria, Ribosomes, Cell wall, Chloroplasts, Vacuole
What is the equation for magnification?	Magnification = $\frac{\text{Image size}}{\text{Real size}}$
How are new cells made?	Remember: The units for both sizes must be the same e.g. both in μm so you may need to convert them. Body cells = Mitosis Sex cells = Meiosis
Why do cells need to make new copies of themselves?	So organisms can grow To repair damage
What are stem cells?	Undifferentiated cells. They can specialise to become all other types of cells.
What are the two types of stem cells?	Embryonic Stem Cells - Can differentiate into all types of cells. Adult Stem Cells - Can only differentiate into some cells.
Where are animal and plant stem cells produced?	Embryonic = Embryos Adult = in bone marrow Plant = in meristem tissue
What is therapeutic cloning?	Embryonic stem cells have their DNA removed and replaced by the patient's DNA. Clones are then used to treat medical conditions.

Foundation		
Question Papers	Mark Schemes	
<ul style="list-style-type: none"> June 2018 QP June 2019 QP June 2020 QP June 2021 QP June 2022 QP June 2023 QP June 2024 QP Specimen QP 	<ul style="list-style-type: none"> June 2018 MS June 2019 MS June 2020 MS June 2021 MS June 2022 MS June 2023 MS June 2024 MS Specimen MS 	
Higher		
Question Papers	Mark Schemes	Predicted Papers
<ul style="list-style-type: none"> June 2018 QP June 2019 QP June 2020 QP June 2021 QP June 2022 QP June 2023 QP June 2024 QP Specimen QP 	<ul style="list-style-type: none"> June 2018 MS June 2019 MS June 2020 MS June 2021 MS June 2022 MS June 2023 MS June 2024 MS Specimen MS 	<ul style="list-style-type: none"> June 2024 MS June 2024 QP

Specification

Biology

Paper 1:

- ✓ Cell biology
- ✓ Organisation
- ✓ Infection and response
- ✓ Bioenergetics

Paper 2:

- ✓ Homeostasis
- Inheritance, variation and evolution
- Ecology

Chemistry

Paper 1:

- ✓ Atomic structure and the periodic table
- ✓ Bonding, structure and the properties of matter
- ✓ Quantitative chemistry
- ✓ Chemical changes
- ✓ Energy changes

Paper 2:

- The rate and extent of chemical change
- ✓ Organic chemistry
- Chemical analysis
- ✓ Chemistry of the atmosphere
- Using resources

Physics

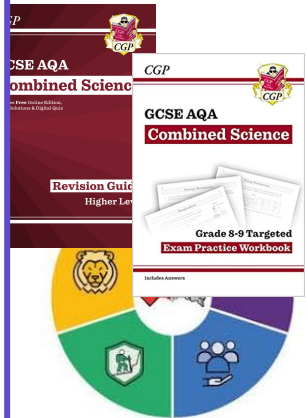
Paper 1:

- ✓ Energy
- ✓ Electricity
- ✓ Particle model of matter
- ✓ Atomic structure

Paper 2:

- Forces
- Waves
- ✓ Magnetism and electromagnetism

Completed
 Yet to complete



IPA

How Can I Help my Child with Science?



1. Quiz your child in regular short chunks using the knowledge lists

2. Ensure they complete their HW every week - this includes revision activities + testing on current content.

3. Familiarise yourself with the online platforms so you can help them find + use the resources we've put together.

- Educake www.educake.co.uk
- Google Classroom



Biology Topic: Cell Biology
Paper 1 **Revision Guide: Higher = pg. 11-23 Foundation = pg. 11-23**
Quizlet link:

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What is therapeutic cloning?	Plac = in marionette tissue Embryonic stem cells have their DNA removed and replaced by the patient's DNA. Stem are then used to treat medical conditions.

Key Language		
Spelling	Definition	Achieved?
Nucleus	A cell part that contains DNA and controls the activity of the cell	
Cell membrane	A cell part that controls what can enter and leave the cell	
Cytoplasm	Where reactions take place in the cell	
Mitochondria	A cell part that releases energy by carrying out respiration	
Ribosome	A cell part that synthesises (makes) proteins	
Cell wall	A cell part that makes the cell rigid	
Chloroplasts	A cell part that absorbs light energy for photosynthesis, which creates food (glucose) for the plant	
Vacuole	A cell part that stores sap (or sugary liquid)	
Mitosis	Cell division. Creates 2 cells which are identical to the original cell	
Meiosis	Cell division. Creates 4 cells which have half the DNA of the original cell	
Diffusion	Spreading out of particles from a high concentration to a low concentration	
Osmosis	Movement of water particles from a high concentration to a low concentration, across a partially permeable membrane	
Active Transport	Movement of particles from a low concentration to a high concentration using energy.	







COMMUNITY COMPASSION COURAGE RESPONS




Google Classroom



Past Exam Papers

 Combined Biology FOUNDATION	Posted 5 Sept	⋮
 Combined Chemistry FOUNDATION	Posted 5 Sept	⋮
 Combined Physics FOUNDATION	Posted 5 Sept	⋮
 Combined Chemistry HIGHER	Posted 5 Sept	⋮
 Combined Biology HIGHER	Posted 5 Sept	⋮
 Combined Physics HIGHER	Posted 5 Sept	⋮

Exam Markschemes

 Combined Biology FOUNDATION	Posted 5 Sept	⋮
 Combined Chemistry FOUNDATION	Posted 5 Sept	⋮
 Combined Physics FOUNDATION	Posted 5 Sept	⋮

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Educake - www.educake.co.uk



My Educake

[Revision wizard >](#)

Your Upcoming Quizzes

[View all your quizzes](#)

Subject	Quiz name	Assigned by	Due
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Study and Quiz Yourself

KS3

GCSE

GCSE Science – AQA	61%	▶
Biology	60%	▶
Chemistry	66%	▶
Physics	59%	▶
Maths for Science	0%	▶
Working Scientifically	0%	▶
IGCSE Science – Cambridge	62%	▶
Biology	62%	▶
Chemistry	69%	▶
Physics	59%	▶

VISION COURAGE RESPONSIBILITY RESILIENCE



Our Top Tips!



Organisation is key this year!

1. Ensure they pack their bag the night before and that uniform is ready.
2. Get them to bed at a reasonable hour so that they get a good night's sleep, don't let them take their phone to bed.
3. Set the alarm clock early enough to allow plenty of time to get ready properly, eat some breakfast and be punctual to school.
4. Check to make sure they have everything they need – equipment, books, PE kit.
5. Ensure your child has completed any homework or revised for any tests and has an ongoing revision programme.

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Thank you for attending our Year 11 Expectations Evening

