

Year 11 GCSE Information Evening – Thursday 24th September



Your child's journey through Y11.

The single most important year of their lives so far! The best prepared group of students – we will help, push and guide them all the way. We hope this plan will help you as parents to support them too.

Y11 day

Y11 examinations

Y11 standards

Y11 rewards

Y11 support



The Day...

Mentor time

Monday – assembly

Tuesday, Wednesday and Thursday - mentor intervention sessions.

Friday – GCSE Mindset

2 hours a week

Lessons

5 lessons a day to teach the curriculum well to a high standard.

Lesson structure continued from Y10.

Aim is to cover all content by Easter = exam preparation time.

25 hours 50 minutes a week

Support Sessions

2.50pm – 3.50pm for additional support / work.

Organised by subjects.

5 hours a week



After school support...

MONDAY	ENGLISH ART BUSINESS STUDIES (week 9) CONSTRUCTION GRAPHICS PHOTOGRAPHY
TUESDAY	SCIENCE DESIGN TECHNOLOGY DRAMA MUSIC
WEDNESDAY	MATHEMATICS GEOGRAPHY GRAPHICS
THURSDAY	FRENCH week 9 SPANISH week 9



Assessment

Monday 19 October – Friday 6 Nov (weeks 8 & 9): Practice Exams

Monday 16 November – (week 11): Assessment Review Point 1

Monday 11 January – Tuesday 12 January (week 16): English Practice Exams

Monday 8 February – Friday 26 February (weeks 21 & 22): Practice Exams

Monday 8 March (week 24): Assessment Review Point 2

Tuesday 4 May (week 30): External exam window

100 school days



Other key dates...

Thursday 5 November (week 9): Post 16 Open Evening

Thursday 3 December (week 13): Parents' Evening

Friday 29 January (week 19): Post 16 application deadline

Thursday 25 March (week 26): GCSE Evening



Standards...

ATTENDANCE

LESSONS

HOME LEARNING / REVISION / INDEPENDENT STUDY



Attendance...

The Prom

The expectation is that students achieve a minimum of 95% attendance



Expectations for Attendance

Part of the Values-Driven Expectations System

Excellent attendance at school is crucial if you are to reach your full potential. If you are aiming high, you need to be determined to attend school on time every single day.

The table below highlights the importance of good attendance across a school year and the impact poor attendance may have (based on the actual results of PGS Students in Summer 2025).

Percentage Attendance	Number of Days Lost	% of PGS Students who achieved 5+ Grade 9 to 4 Qualifications
100%	Zero days missed – outstanding commitment! Every day in school builds knowledge, confidence and opportunity. You are giving yourself the very best chance to succeed and achieve your goals.	97%
Greater than or equal to 97%	Excellent attendance – fewer than 6 days missed You are building strong habits for success. Staying in school regularly keeps you on track and strengthens your progress every day.	93%
95 to 96.9%	Up to 10 days missed – good attendance with room to improve You are still likely to achieve well. Improving your attendance even slightly can make a big difference to your confidence and outcomes.	< 91%
90 to 94.9%	Up to 19 days missed – attendance needs attention Missing this amount of school can start to affect learning. With improved attendance, you can quickly get back on track and reach your full potential. Attendance in this % will be addressed	<70%
Less than 90%	More than 19 days missed – significant time away from learning <u>Every day</u> matters. Increasing attendance will open up more opportunities, support your progress, and help you feel more confident in your learning journey. This attendance will be supported by the Family Support Team and the Educational Welfare Officer.	55%

Be Proud

Every lesson expectations: Effort

 **Effort Descriptors**
"Success is the sum of small, sustained efforts repeated daily".

We have the highest expectations and aspirations for all our students. We know that the harder you work and the more consistent effort you apply, the greater you achieve.

At each Assessment Review Point (ARP) teachers use effort level descriptors to award a single effort grade to measure your effort, behaviour, preparation, and home learning consistently applied over time.

Effort Level Descriptors

Level	Descriptor	A student is at this level because they...
Exceptional Effort (4)	Effort	Apply 100% effort and actively participate in every task in every lesson. Consistently exceed expectations in independent practice
	Behaviour	Demonstrate exceptional learning behaviours, impeccable conduct and follow instructions first time, every time.
	Home Learning	Complete 100% of home learning assignments on time and to the highest standard, and routinely complete more than is required.
	Preparation	Are always punctual with the correct equipment, and have exemplary presentation and pride in their work
Exceptional effort: For a student to achieve this level they must be excelling in all four sub-descriptors and have not received any VDE lines within the subject between Assessment Review Points. A student is unable to achieve this level if they are 'working towards' or below their 'expected progress' pathway		
Excellent effort (3)	Effort	Apply consistently high levels of effort and participate fully in tasks. Continually meet expectations in independent practice
	Behaviour	Demonstrate excellent learning behaviours, conduct and are always attentive and focused in lessons.
	Home Learning	Complete all home learning assignments on time and to a high standard
	Preparation	Are punctual with the correct equipment and present work with quality, pride and care.
Excellent: For a student to achieve this level they must be excellent or better in all 4 sub-descriptors and have not received a VDE line for a sub-descriptor within the subject between Assessment Review Points. A student is unable to achieve this effort level if they are 'working towards' or below their 'expected progress' pathway.		
Expected effort (2)	Effort	Consistently apply good levels of effort, and with encouragement participate fully in tasks. Complete independent practice successfully with support and guidance
	Behaviour	Demonstrate positive learning behaviours, conduct, and are consistently attentive and focused in lessons
	Home Learning	Complete the assigned home learning to the expected standard and consistently meet deadlines
	Preparation	Are punctual with the basic equipment, and present work to a good standard
Expected: When a student receives this level, it means that they are consistently meeting expectations but have the capacity and potential to achieve more. A student may have received one VDE line in a sub-descriptor within the subject between Assessment Review Points (ARPs).		
Effort requires improvement (1)	Effort	Need to work harder and participate more in learning. Lack effort and commitment when completing independent practice.
	Behaviour	Have inconsistent learning behaviours and/or conduct with at times a lack of attention and focus
	Home Learning	Need to complete all home learning on time and to the expected standard
	Preparation	Do not always arrive to lessons on time with the correct equipment and work produced needs to be presented with more pride and care
Requires Improvement: When a student receives this level, it will be due to not meeting expectations in one or more of the effort sub-descriptors, they will have received more than one VDE line in a sub-descriptor between Assessment Review Points (ARPs), and will not be 'exceeding expectations' in progress		

(4) Exceptional effort

(3) Excellent effort

(2) Expected effort

(1) Effort Requires improvement

The last 3 years...

Students with three or more 1s = average GCSE grade 3

Students with grades 3 and 4 = average GCSE grade 6



Expectation: Home Learning

Subject specific tasks.

Mixture of new learning, retrieval of prior knowledge and exam skills.

Set through Teams.

Subject specific guides.

Independent study

No excuses.



Expectation: Home Learning

The last 3 years...

More than 20 HL lines= Average grade 2.8

More than 10 HL lines = Average grade 3.1

No HL lines = Average grade 6.1



Rewards

On a regular basis we will meet as a year group and celebrate students' efforts.

Assessment Review Point Effort rewards

At the end of each half term there will be a prize draw. Entry will be based on effort / attendance to after school support sessions etc.

Prizes will include:

- free prom tickets
- nail voucher and / barber shop voucher
- £50 towards cost of hire or purchase of prom wear
- Leavers' items

After every stage (period of intense work – e.g. practice exams) we will also have an afternoon reward event for the whole year group.

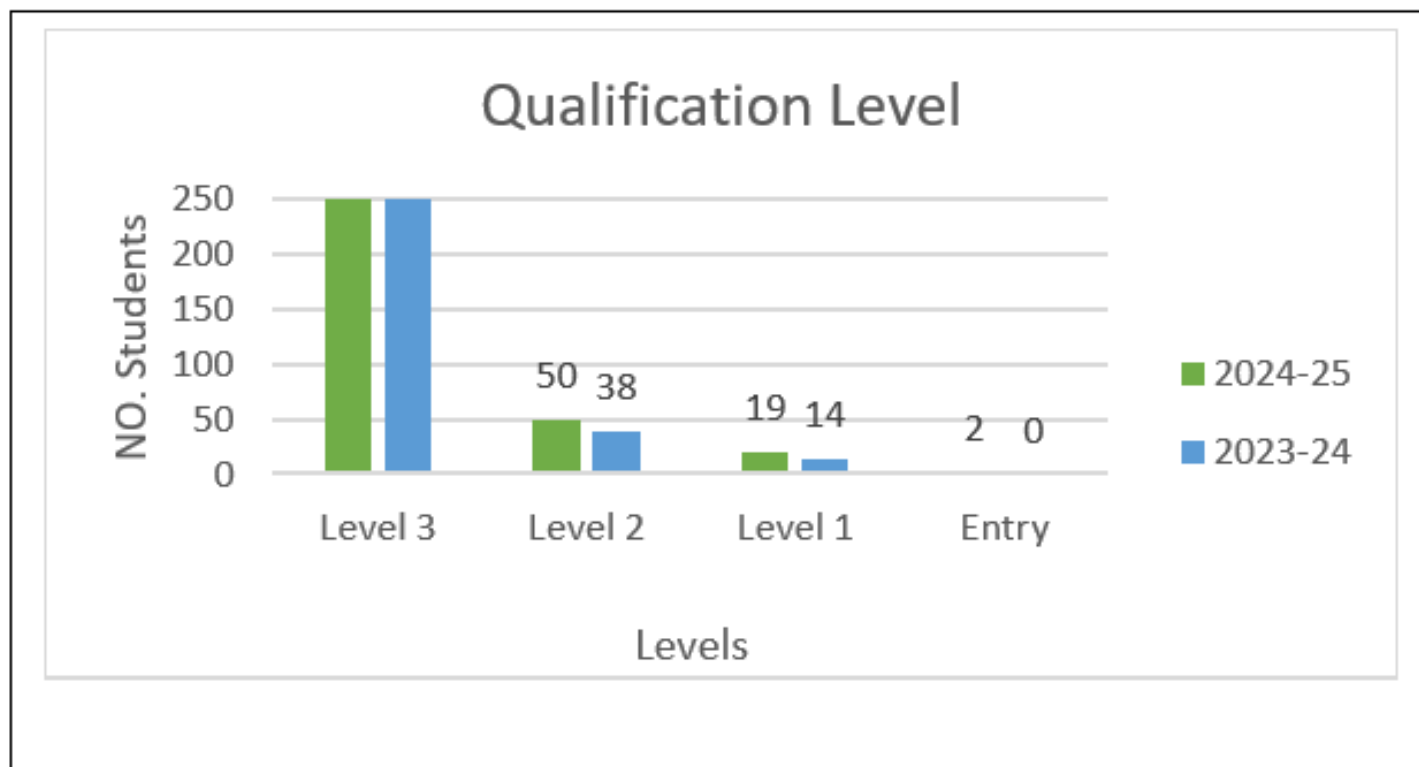


What are they studying ?

Sectors	No.	%
A Levels	153	47
Animal Care / Land Based Studies	27	8
Art, Design & Creative Media	13	4
Business / Financial	6	2
Construction	22	7
Education & Childcare	8	2.4
Engineering	13	4
Hair & Beauty	5	1.5
Health & Social / Science	17	5
Hospitality & Catering	1	0.30
I don't know / Unknown	0	0
ICT / Computing	5	1.5
Performing Arts / Music	15	5
Public Services / Armed Forces	14	4
Sport & Leisure	22	7
Travel & Tourism	2	0.6



Level.....



Support: School

Teaching and learning

Personalised feedback and RAG rating

Subject specific resources

Core mentor time support

GCSE Mindset - linked to revision skills, motivation, confidence and well-being.

Period 6 support

Home learning support

Mentor support

Head of Year / Assistant Head of Year

Careers support



Support: Careers

Careers Fair

Interviews with employers & SLT

Individual Careers Guidance Meetings

Workshop sessions on skills for the workforce (External Agencies)

Apprenticeship Workshop

Assemblies given by local colleges and apprenticeship providers

Writing a personal statement/CV



Support: Parents

PGS Fortnightly Newsletter: Week 38B



Be Determined

Support: Parents



[Home](#)

[Study Hacks](#)

[Podcasts](#)

[Infographics](#)

[Bonus Tips](#)

[FTS+](#)

FROM THE SIDELINES



Be Determined

GCSE Ready? Here are some key findings.

58% of you do not have breakfast before you come to school

Does this affect brain function during period 1?

Are there any implications for 9am GCSE exams in the summer?



GCSE Ready? Here are some key findings.

93 % of you do NOT turn your phone off when revising.

The "Brain Drain" Effect: A landmark study from the University of Chicago found that the mere physical presence of a smartphone—even if it is face down, on silent, or turned off—reduces a person's working memory capacity.



GCSE Ready? Here are some key findings.

93 % of you do NOT turn your phone off when revising.

40% Loss in Productivity: Research by the American Psychological Association (APA) shows that shifting attention between tasks (like moving from a GCSE history date to a Snapchat alert) causes a 40% drop in productivity.

What do you need to do?



GCSE Ready? Here are some key findings.

93 % of you do NOT turn your phone off when revising.

40% Loss in Productivity: Research by the American Psychological Association (APA) shows that shifting attention between tasks (like moving from a GCSE history date to a Snapchat alert) causes a 40% drop in productivity.

What do you need to do?



GCSE Ready? Here are some key findings.

41% of you say you do NOT get enough sleep.

Do you need to make any changes to your evening routines?



GCSE Ready? Here are some key findings.

48% of you say you do NOT know how to revise effectively.



GCSE Ready? Here are some key findings.

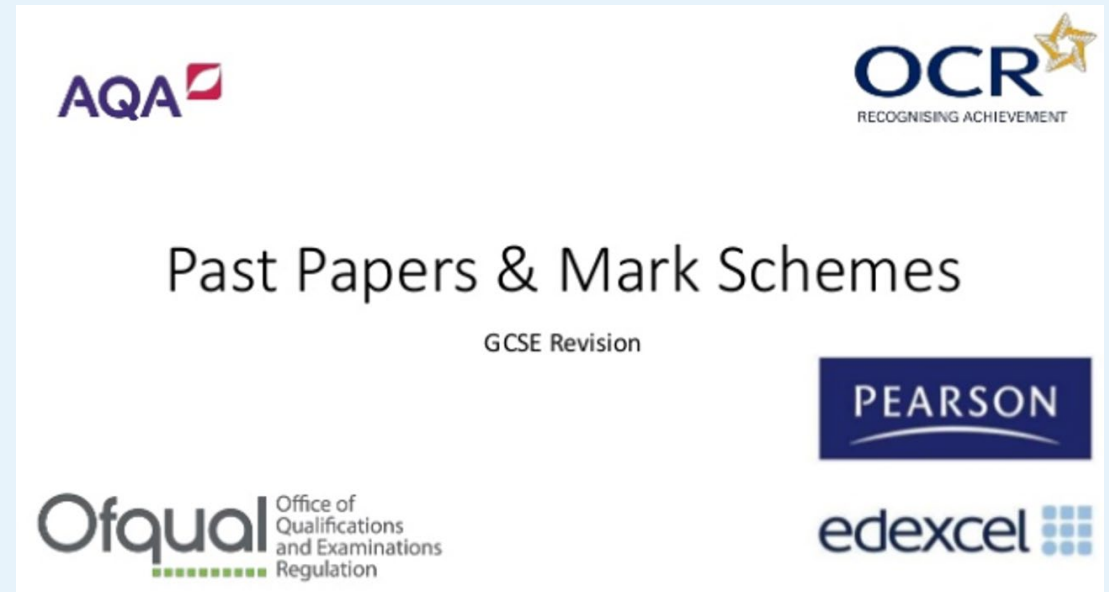
Our key techniques that we have covered are:

- Flashcards
- Mindmaps
- Self-quizzing
- Brain dumps
- The Freyer Model



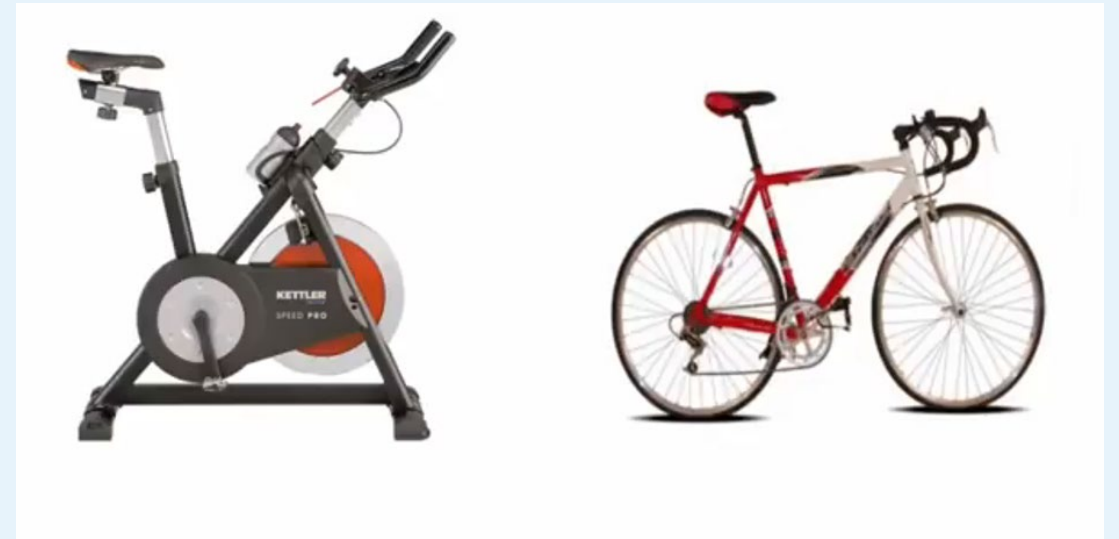
GCSE Ready? Here are some key findings.

But these mean nothing unless you apply your knowledge by attempting past papers, using mark schemes and seeking feedback



GCSE Ready? Here are some key findings.

You do not win the Tour de France by training only in the gym.



Support: Parents

Designated Study Space

How you can create the perfect study space for your child at home.

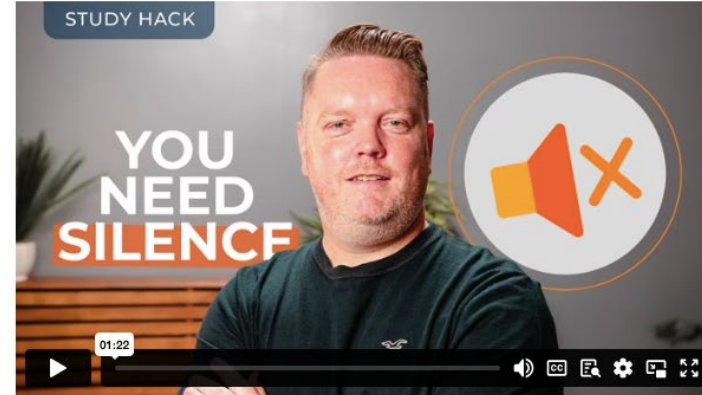
Study Hack



Silent Focus

Our brain is not as efficient at multitasking as we think it is!

Study Hack



The most important role you will play is that of the person who will support your child through the exams and be proud of them whatever happens.

- Creating a suitable environment for revision, dedicated, distraction free times.
- From the Sidelines guidance, podcasts and videos.
- Parent support booklet.
- Communication and attendance.



Support: Parents

Designated Study Space

How you can create the perfect study space for your child at home.

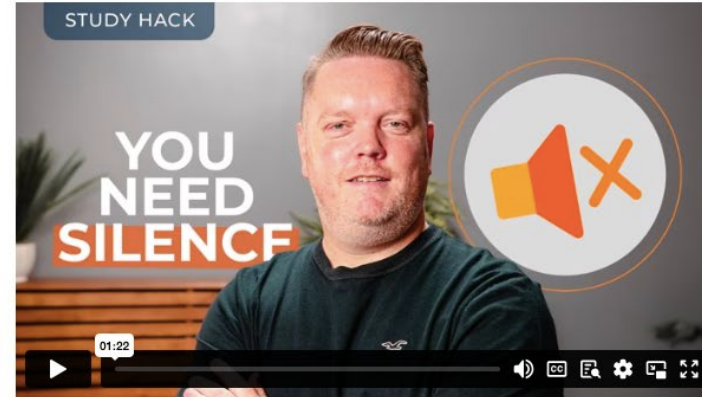
Study Hack



Silent Focus

Our brain is not as efficient at multitasking as we think it is!

Study Hack



- Study space
- Why you need silence to study
- Mobile phone distractions
- Rest and sleep
- Equipment ready
- The pomodoro technique
- Retrieval practice and memory



Support

Mr Green (Assistant Principal – GCSE Strategy)

Mr Teasdale (Assistant Principal – KS4 and Pupil Premium)

Mr Dowle (Head of Year)

Mr Sharman (Assistant Head of Year)

Mrs Dobson (SENCO)

Mrs Gott (Assistant SENCO – KS4)

Mrs Thornhill (Attendance and Family Support)

Mis Moorhouse (Examinations)



Year 11 GCSE Information Evening – ENGLISH



English

GCSE English Language
GCSE English Literature

2 separate qualifications



Content covered in Year 10

Language	Literature
• Language Paper 1 – reading skills • Language Paper 1 – writing skills • Language Paper 2 – writing skills • Spoken Language endorsement	• An Inspector Calls • Frankenstein • Power & Conflict poetry



Y11 plan

Term	Content
Half term 1 (Sept to Oct)	• Language Paper 2 – reading & writing skills • An Inspector Calls revision • Frankenstein revision
Half term 2 (Nov to Dec)	• Macbeth • Unseen poetry
Half term 3 (Jan to Feb)	• Essay practice • Past paper questions
Half term 4 (Feb to May)	



Practice Exams

Week 8/9 (OCT)	Week 17 (JAN)	Week 21/22 (FEB)
Language: Paper 2	Language: Paper 1	Language: Paper 2
Literature: An Inspector Calls Frankenstein	Literature Paper 2: An Inspector Calls Power & Conflict Poetry Unseen Poetry	Literature Paper 1: Macbeth Frankenstein



Dates for final GCSE exams

Language	Literature
Language Paper 1: Monday 24 th May (am)	Literature Paper 1: Wednesday 12 th May (am)
Language Paper 2: Tuesday 8 th June (am)	Literature Paper 2: Wednesday 19 th May (am)



Home Learning

Set every Tuesday – due in the following Monday.

Tasks that will support learning: essay practice, quotation analysis, past paper questions.



Subject Support

English Revision
Mondays (in English department)
3-3.45pm

Delivered by English staff



Expectations of students

- Engage fully in all lessons. The efforts that students put in now **will** impact the final result.
- Complete revision outside of the classroom. Hand in extra work to English teachers for feedback.
- Ask for support with any areas that are unclear.



Ways to help students revise

Dedicated English Teams channel:

- support videos
- annotated copies of texts
- past paper questions
- copies of home learning tasks



Year 11 GCSE Information Evening – MATHEMATICS



Common phrases overheard at Y11 Parents' Evening

"I was never any good at maths myself."

"Maths has changed since I was at school."

"I can do the maths, but I can't explain it."

"They only seem to revise the night before an exam."

"They say they've already done their homework when I ask."

"I don't want to teach them the wrong method."



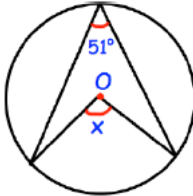
Lessons:

- Do Now Retrieval
(4 - 8 topics each lesson, 4 times per week)
- Booklet Curriculum
(Foundation – 7 Booklets, Higher – 9 Booklets)
- All lessons delivered on OneNote

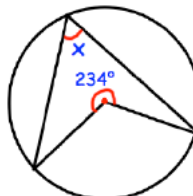


Lessons (Do Nows):

Do Now 2A [Non-Calculator]

Multiplying decimals Calculate: 2.3×6.7	HCF & LCM $A = 2^3 \times 3 \times 5$ $B = 2 \times 3^2$ Find the HCF of A and B
Expanding triple brackets Expand and simplify $(x + 5)(x + 4)(x + 1)$	Circle Theorems Find the value of x 
Mixed number arithmetic Calculate: $2\frac{3}{4} + 1\frac{1}{2}$	Sharing ratio Simon and Geoff share some money in the ratio 4:5 They have £36 in total. Calculate how much each get.

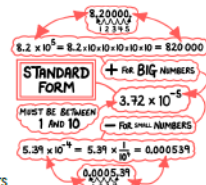
Do Now 2B [Non-Calculator]

Multiplying decimals Calculate: 0.23×6.7	HCF & LCM $A = 2^3 \times 3 \times 5$ $B = 2 \times 3^2$ Find the LCM of A and B
Factorise a quadratic Expand and simplify $(x + 7)(x - 1)(x + 1)$	Circle Theorems Find the value of x 
Mixed number arithmetic Calculate: $2\frac{3}{4} - 1\frac{1}{2}$	Sharing ratio Simon and Geoff share some money in the ratio 4:5 Simon has £36. Calculate how much Geoff has.



Lessons (Booklets):

1.7 – Standard Form – Multiplying and Dividing



When dealing with extremely large and extremely small numbers neater (and generally more accurate) way of writing these. When numbers are in standard form, we can perform multiplication and division operations on them easily.

Example 1

Calculate, giving your answers in standard form.

Teacher:

(a) $(2 \times 10^3) \times (3 \times 10^4)$

(b) $1.4 \times 10^{-3} \times 4 \times 10^6$

(c) $(9 \times 10^4) \times (2.1 \times 10^3)$

(d) $(4 \times 10^5)^2$

NTT:

(a) $(4 \times 10^3) \times (2 \times 10^4)$

(b) $1.2 \times 10^{-2} \times 3 \times 10^7$

(c) $(7 \times 10^5) \times (2.1 \times 10^3)$

(d) $(7 \times 10^4)^2$

Example 2

Calculate, giving your answers in standard form.

Teacher:

(a) $(9 \times 10^5) \div (3 \times 10^3)$

(b) $\frac{4.8 \times 10^8}{1.2 \times 10^{-5}}$

NTT:

(a) $(8 \times 10^7) \div (2 \times 10^3)$

(b) $\frac{6.3 \times 10^4}{2.1 \times 10^{-2}}$

1.7 – Standard form multiplying and dividing worksheet (non-calculator)

Q1. Work out, leaving your answers in correct standard form.

(a) $(4 \times 10^5) \times (2 \times 10^6)$	(b) $(3.5 \times 10^4) \times (2 \times 10^4)$
(c) $(6 \times 10^3) \times (6 \times 10^5)$	(d) $(7 \times 10^{-2}) \times (3 \times 10^5)$
(e) $(2 \times 10^4) \times (2.1 \times 10^7)$	(f) $(3 \times 10^3) \times (8 \times 10^{-7})$
(g) $(1 \times 10^{-5}) \times (3.7 \times 10^2)$	(h) $(3 \times 10^5)^2$

Q2. Work out $4 \times 10^3 \times 7 \times 10^4$

Give your answer as an ordinary number.

Q3. Work out $6 \times 10^2 \times 5 \times 10^{-5}$

Give your answer as an ordinary number.

Q4. Work out, leaving your answers in correct standard form.

(a) $\frac{5 \times 10^8}{2 \times 10^3}$	(b) $\frac{8 \times 10^{14}}{4 \times 10^7}$
(c) $\frac{3 \times 10^{12}}{2 \times 10^5}$	(d) $\frac{2 \times 10^9}{8 \times 10^6}$
(e) $\frac{9 \times 10^{-8}}{3 \times 10^4}$	(f) $\frac{2 \times 10^4}{5 \times 10^{-2}}$
(g) $\frac{1.5 \times 10^3}{3 \times 10^{-2}}$	(h) $\frac{1.2 \times 10^{-4}}{4 \times 10^2}$

Q5. Work out $\frac{8 \times 10^{-1}}{2 \times 10^3}$

Give your answer as an ordinary number.

Q6. Work out $(6 \times 10^9) \div (3 \times 10^5)$

Give your answer as an ordinary number.



Lessons (OneNote):

1. Be Determined - Number 1 [26.27] - OneNote

File Home Insert Draw History Review View Help Class Notebook

Calibri Light 20 B I U A x₂ X

Sticky Notes Share

Copilot

As you know dividing is the inverse of multiplication. Often inverse processes are more challenging. Division is no different. Two types of question to recognise;

1. Can we relate the division to an already known times table fact
2. Can we use an easier equivalent calculation to obtain the answer.

Example 4

Teacher:	NTI:
Work out; (a) $720 \div 9 = 80$	Work out; (a) $5600 \div 8 = 700$
(b) $7.2 \div 9 = 0.8$	(b) $5.6 \div 8 = 0.7$

Example 5

Teacher:	NTI:
Work out $8.46 \div 0.15 = 56.4$ $\begin{array}{r} 8.46 \\ 0.15 \overline{) 8.46} \\ \underline{0.15} \\ 6.96 \\ \underline{0.15} \\ 5.46 \\ \underline{0.15} \\ 3.96 \\ \underline{0.15} \\ 2.46 \\ \underline{0.15} \\ 0.96 \\ \underline{0.15} \\ 0.06 \\ \underline{0.15} \\ 0.00 \end{array}$	Work out $4.62 \div 0.12 = 38.5$ $\begin{array}{r} 4.62 \\ 0.12 \overline{) 4.62} \\ \underline{0.12} \\ 3.42 \\ \underline{0.12} \\ 2.22 \\ \underline{0.12} \\ 1.02 \\ \underline{0.12} \\ 0.90 \\ \underline{0.12} \\ 0.78 \\ \underline{0.12} \\ 0.66 \\ \underline{0.12} \\ 0.54 \\ \underline{0.12} \\ 0.42 \\ \underline{0.12} \\ 0.30 \\ \underline{0.12} \\ 0.18 \\ \underline{0.12} \\ 0.06 \\ \underline{0.12} \\ 0.00 \end{array}$

Calculate $370.5 \div 1.5$

Calculate $32.4 \div 0$

Calculate $40.18 \div$



Home Learning:

- Set weekly, every Thursday
- Paper based
- 30 – 40 marks of past paper questions
- Final answers given
- Support offered (Tues & Weds 2:50 – 3:50pm)



Home Learning:

Week 3 Higher Tier HL (Due 24th September) NON-CALCULATOR

Q1. (a) Work out $1\frac{1}{5} \times 2\frac{1}{3}$

Give your answer as a mixed number in its simplest form.

.....

(3)

(b) Work out $2\frac{7}{15} - 1\frac{2}{3}$

.....

(3)

(Total for question = 6 marks)

Q2. (a) Find the value of 2^{-3}

.....

(1)

(b) $5\sqrt{5}$ can be written in the form 5^k
Find the value of k .

.....

(1)

(c) Work out the reciprocal of 1.25

.....

(1)

(Total for question = 3 marks)

Q3. Work out the value of $(9 \times 10^{-4}) \times (3 \times 10^7)$ Give your answer in standard form.

.....

(Total for question = 2 marks)

Q4. (a) Solve $3(2p - 5) = 21$

$p =$

(3)

(b) Solve $9x - 11 = 5x + 7$

$x =$

(3)

(Total for Question is 6 marks)

Q5.

(a) Simplify fully $(3x^5y^6)^4$

.....

(2)

(b) Expand and simplify $(x + 2)(x - 3)(x + 4)$

.....

(3)

(Total for question = 5 marks)

Q6. Hilary, Imogen and Jeeha are playing a game with cards.

Imogen has 3 cards more than Hilary.

Jeeha has twice as many cards as Imogen.

They have a total of 53 cards.

Work out how many cards Hilary has.

.....

(Total for question = 4 marks)

Q7. Rosie, Matilda and Ibrahim collect stickers.

number of stickers : number of stickers : number of stickers
Rosie has : Matilda has : Ibrahim has = 4 : 7 : 15

Ibrahim has 24 more stickers than Matilda.

Ibrahim has more stickers than Rosie. How many more?

.....

(Total for question = 3 marks)

Final Answers

1)

a) $2\frac{4}{5}$

b) $\frac{4}{5}$

2)

a) $\frac{1}{8}$

b) $k = \frac{3}{2}$

c) $\frac{4}{5}$

3) 2.7×10^4

4)

a) $p = 6$

b) $x = 4.5$

5)

a) $81x^{20}y^{24}$

b) $x^3 + 3x^2 - 10x - 24$

6) 11 cards

7) 33 stickers

8)

x	-2	-1	0	1	2
y	-13	-4	-1	2	11

9) $x = 54$

10)



Home Learning Quiz:

- New to 26/27
- Focus on method/process rather than final answer
- Opportunity for weekly testing
- Way of checking engagement



Home Learning Quiz:



Week 4B Home Learning Quiz [NON- CALCULATOR]

Q1.

(a) Work out $2\frac{2}{3} \times 1\frac{1}{7}$

Give your answer as a mixed number in its simplest form.

.....
(3)

(b) Work out $3\frac{4}{9} - 2\frac{2}{9}$

Give your answer as a mixed number in its simplest form.

.....
(3)

(Total for Question 1 is 6 marks)

Q2.

(a) Find the value of 7^{-2}

.....
(1)

(b) $3\sqrt{3}$ can be written in the form 3^x

Find the value of x .

.....
(1)

(c) Work out the reciprocal of 0.4

.....
(1)

(Total for Question 2 is 2 marks)

Q3. Expand and simplify $(x + 5)(x - 2)(x + 3)$

.....
(3)

(Total for Question 3 is 3 marks)

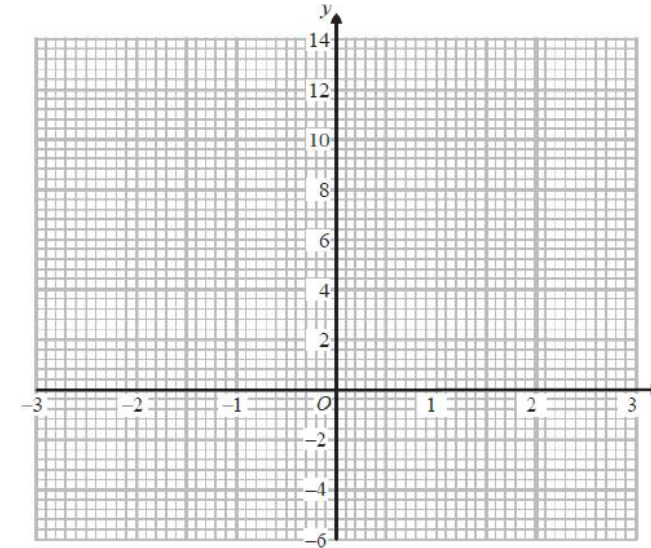


Q4. Complete the table of values for $y = x^2 - 6x + 4$

x	-3	-2	-1	0	1	2	3
y	-5		9			0	13

(2)

(b) On the grid, draw the graph of $y = x^2 - 6x + 4$ for values of x from -3 to 3



(2)

(Total for Question 4 is 4 marks)



Sparx:

- Students still have access
- Codes given for each topic within booklets
- Encouraged to use independent learning for revision
- QLA's will be given to students after each practice exam signposting areas for improvement



Question Level Analysis (QLA):

- Students will be given an individual QLA after each practice exam.
- QLA is RAG rated by student
- Sparx clip numbers given for each question
- Students encouraged to focus on Red/Amber topics



Question Level Analysis (QLA):

Higher



Maths Trial – February 2025

Name: _____ Grade: 5
Class: _____ Total Marks: 110
Marks from next grade: 2

You should use your question level analysis to help close the gaps in your current maths knowledge.

For some of these gaps and questions, you will go over again in class, but some will be individual to you.

Use **Sparx Maths** and **Dr Frost** to help improve and close the gaps.

13a	Writing probabilities as fractions	1 / 1	U408
13b	Probabilities of mutually exclusive events	1 / 1	U683
14	Substituting into algebraic formulae	2 / 2	U585
15a	Estimating calculations	2 / 2	U225
15b	Multiplying and dividing with place value	0 / 1	U735
16a	Calculating with speed	3 / 3	U151
16b	Calculating with speed	1 / 1	U151
17a	Frequency trees	3 / 3	U280
17b	Frequency trees	0 / 2	U280
18	Solving direct proportion word problems	2 / 2	U721
19	Percentage change without a calculator	3 / 3	U773
20	Adding and subtracting fractions	0 / 3	U736
21	Drawing stem-and-leaf diagrams	3 / 3	U200
22	Plans and elevations, Finding the volume of cylinders	1 / 3	U743, U915
23	Solving single inequalities	1 / 2	U759
24	Prime factor decomposition	2 / 2	U739
25	Sharing amounts in a given ratio, Finding fractions and percentages of amounts	1 / 5	U577, U881, U554



Y11 Enrichment:

- Past paper club open to all Y11
- Students given half past paper
- Past paper has QR, directs to worked solutions
- More topic focussed revision in run up to practice and real exams



Y11 Enrichment:

Write your name here

Surname Other names

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

Mathematics  
FOR FULL VIDEO SOLUTIONS
SCAN THE QR CODE
youtube.com/ahamabkettforaths **Higher Tier**

Half Past Paper – Week 1

Total Marks

Q	Topic	Marks	Sparx Code
1a	Adding and subtracting mixed numbers	2	U793
1b	Dividing with mixed numbers	2	U538
3	Converting units, Finding the percentage an amount has been changed by	4	U388,U278
5a	Plans and elevations	2	U743
5b	Finding the surface area of pyramids	4	U871
7	Combining transformations	2	U766
9a	Indices of the form 1/a	1	U985
9b	Calculating with roots and powers	1	U851
9c	Indices of the form a/b, Index rules with negative indices	2	U772,U694
11	Circle theorems for chords and tangents	5	U489
13	Expanding brackets with surds, Simplifying surds	3	U499,U338
15a	Factorising the difference of two squares	1	U963
15b	Factorising the difference of two squares, Expanding double brackets	3	U963,U768
17	Simplifying algebraic fractions by factorising into two brackets	3	U294
19	Equations of parallel and perpendicular lines	5	U898
Total		40	

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 (a) Work out $2\frac{1}{7} + 1\frac{1}{4}$

.....
(2)

(b) Work out $1\frac{1}{5} \div \frac{3}{4}$

Give your answer as a mixed number in its simplest form.

.....
(2)

(Total for Question 1 is 4 marks)



Be Supportive

Securing the Grade;

- Given after the October practice exams
- Booklet will be based off practice exam grade
- Suggested schedule given to support completion



Securing the Grade;

Edexcel GCSE
Mathematics (9-1)

Securing Grade 7

REVISION BOOKLET
(powered by 1stclassmaths.com )

REMEMBER:
Maths Enrichment every Wednesday

2027 Exam Dates:

Paper 1 [non-calculator] – Friday 14th May

Paper 2 [calculator] – Thursday 27th May

Paper 3 [calculator] – Monday 14th June

Name: _____

Class: _____



Mathematics

REVISE THIS TOPIC:		CHECK YOUR ANSWERS:
	1. Fractional Indices	

Q1.	
(a) Write down the value of $9^{\frac{1}{2}}$	(b) Write down the value of $64^{\frac{1}{2}}$
(c) Write down the value of $27^{\frac{1}{3}}$	(d) Write down the value of $10000^{\frac{1}{4}}$
(e) Write down the value of $8^{\frac{1}{3}}$	(f) Write down the value of $16^{\frac{1}{2}}$
(g) Write down the value of $32^{\frac{1}{5}}$	

Q2.	
(a) Write down the value of $4^{\frac{2}{3}}$	(b) Write down the value of $64^{\frac{1}{2}}$
(c) Write down the value of $16^{\frac{3}{4}}$	(d) Write down the value of $1000^{\frac{1}{3}}$
(e) Write down the value of $25^{\frac{3}{2}}$	(f) Write down the value of $1^{\frac{1}{3}}$
(g) Write down the value of $32^{\frac{3}{5}}$	(5) Write down the value of $81^{\frac{3}{4}}$

Q3.	
(a) Find the value of $\left(\frac{4}{25}\right)^{\frac{3}{2}}$	(b) Find the value of $\left(\frac{8}{125}\right)^{\frac{1}{3}}$
(c) Find the value of $\left(\frac{8}{27}\right)^{\frac{2}{3}}$	(d) Find the value of $\left(\frac{1}{32}\right)^{\frac{4}{5}}$
(e) Find the value of $\left(\frac{9}{100}\right)^{\frac{1}{2}}$	



Key Dates:

Practice Exam 1;

Paper 1	Paper 2	Paper 3
Tuesday 20 th October AM	Friday 23 rd October AM	Tuesday 3 rd November AM

Real Exams;

Paper 1	Paper 2	Paper 3
Friday 14 th May AM	Thursday 27 th May AM	Monday 14 th June AM



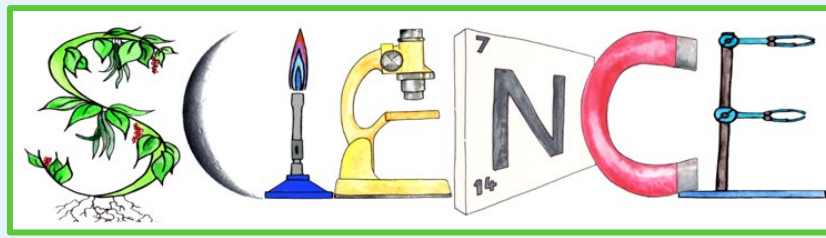
Key Takeaways:

- Regular retrieval is the best form of revision
- Weekly paper-based home learning using PPQs
- Follow-up home learning quiz (regular low-stakes testing)
- Support available every Wednesday (14:50 – 15:50)
- Securing the grade booklet between October & February exams
- OneNote used for all resources, students can easily access anything over the year



Year 11 GCSE Information Evening – SCIENCE





Trilogy (Combined Science)

- 2 x GCSEs
- 6 x exams (1h15min)
- Combined scores from all 6 exams to award an overall grade
- 10 lessons per fortnight
- **Biology**, **Chemistry** & **Physics** rotations (roughly 25 lessons each)

Separate Science

- 3 x GCSEs
- 6 x exams (1h45min)
- 2 exams per subject combined to award subject grade
- 15 lessons per fortnight
- 5 lessons of **Biology**, 5x **Chemistry** & 5x **Physics** over the two week timetable.
- Learning split into 25 lesson blocks



Trilogy combined
science
17-point grading
scale



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

9
8
7
6
5
4
3
2
1



Separate
Science grading
scale
(3 separate
grades awarded)



Science Practice Exams

Students will have 3 paper 1 exams in the upcoming science practice exam series:

- Biology
- Chemistry
- Physics

Trilogy combined science papers are 1 hour 15 minutes (70 marks)

Separate science papers are 1 hour 45 minutes (100 marks)

Course content for paper 1 is outlined on the [science Y11 practice exams site](#).



Science exam support

1. [Science department site](#) has lots of support to help students prepare for the science exams.
2. [Dedicated Y11 practice exams site](#) with:
 1. details about the exams students will sit
 2. links to revision materials
 3. practice questions
 4. whole past papers
 5. important details on what and how to revise
3. [Sparx science](#) Students have access to Sparx science and topic codes to help them focus their revision. [Sparx science info for parents](#)
4. [Exams analysis](#) question analysis from practice exams with detailed feedback on areas that students need to improve – Sparx codes
5. **After school revision sessions** with revision notes and past paper questions provided these are led by subject specialist – Tuesday



Learner pathways



Biology Learning Pathway – Higher Tier

What's assessed?

Biology Paper 1 Exam (1h 15min) – Topics B1-4

(B1 Cell biology, B2 Organisation, B3 Infection & response and B4 Bioenergetics)

Biology Paper 2 Exam (1h 15min) – Topics B5-7

(B5 Homeostasis & response, B6 Inheritance, Variation and Evolution and B7 Ecology)

B1 Cell Biology

B1.1 Cell Structure (Paper 1)			P/A	Spax
Y9	Animal and plant cells	Label and describe the role of each part of an animal and plant cell. Compare the structure of an animal and a plant cell.		R848
Y9	Cells differentiating into specialised cells	Identify the specialisations of different cells e.g. a sperm cell. Describe how specialisations help the cell carry out a particular function. Describe the term 'differentiation'. Compare differentiation in plant and animal cells.		R509 R220 R976
Y9	Stem cells	Define a stem cell and describe how stem cells are used in embryos, adults and plant meristems.		R478
Y9	Eukaryotic and prokaryotic cells	Label and describe the role of each part of a bacterial cell. Compare a prokaryotic cell (bacterial) with a eukaryotic cell (animal or plant).		R489 R883
Y9	Microscopy calculations	Use calculations to calculate magnification, real size and image size.		R585
1	Required practical 1: Animal & plant cells and microscopy	Describe how microscopy techniques have developed over time. Briefly compare a light microscope with an electron microscope. Use calculations to calculate magnification, real size and image size.		R132 R878
2		Percentage:		
3	Review Lesson 1	Percentage:		

AQA GCSE – Combined Science: Trilogy



Trilogy Chemistry Learning Pathway – Phase 1 Higher Tier

What's assessed?

Chemistry Paper 1 Exam (1h 15min) – Topics C1-5 (Phase 1 – 3a)

Chemistry Paper 2 Exam (1h 15min) – Topics C6-10 and fundamental ideas for C1-3 (Phase 3b-4)

Phase 1 Chemistry

C1.1 Atomic Structure			P/A	Spax
1 Y9	Atoms, Elements and compounds	Define the terms atom, element and compound. Draw diagrams and use symbols to represent elements and compounds.		
2 Y9	Chemical Equations	Write word and symbol equations for the formation of a compound. Name compounds of group 1 and 7 elements from their formulae. Write word and symbol equations to represent chemical reactions. Write balanced symbol equations to represent chemical reactions.		R447
3 '9	Mixtures 1	Define the term 'mixture'. Describe and explain the processes of filtration and chromatography.		R333 R994
	Mixtures 2	Identify a suitable separation technique for given mixtures. Describe and explain the processes of crystallisation and distillation. Identify a suitable separation technique for given mixtures.		R616 R550
	Structure of the atom	Identify the charge and relative mass of protons, neutrons and electrons. Use the periodic table to calculate the number of protons, neutrons and electrons in an atom. Explain why atoms are electrically neutral. State the radius of an atom and a nucleus and calculate the difference in size.		R550
	Electronic configuration	Describe the layout of the periodic table including the location of periods, groups, metals and non-metals. Explain the meaning of the group number. Draw the electron configuration of the first 20 elements of the periodic table. Define an isotope in terms of subatomic particles. Compare different isotopes of an element.		R945 R646





THE SCIENCE DEPARTMENT

GCSE Science

Trilogy GCSE Science

Dual award Science

Separate Sciences GCSE

3 Separate GCSEs

Science Practice Exam Analysis

Scores | Grades | Topics | Sparx

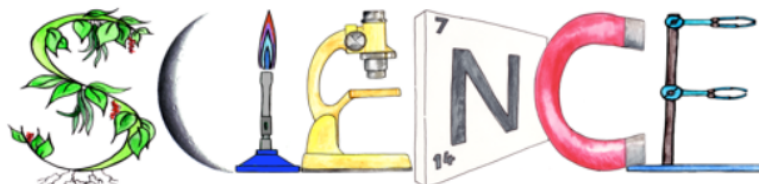
New!

About GCSE Science

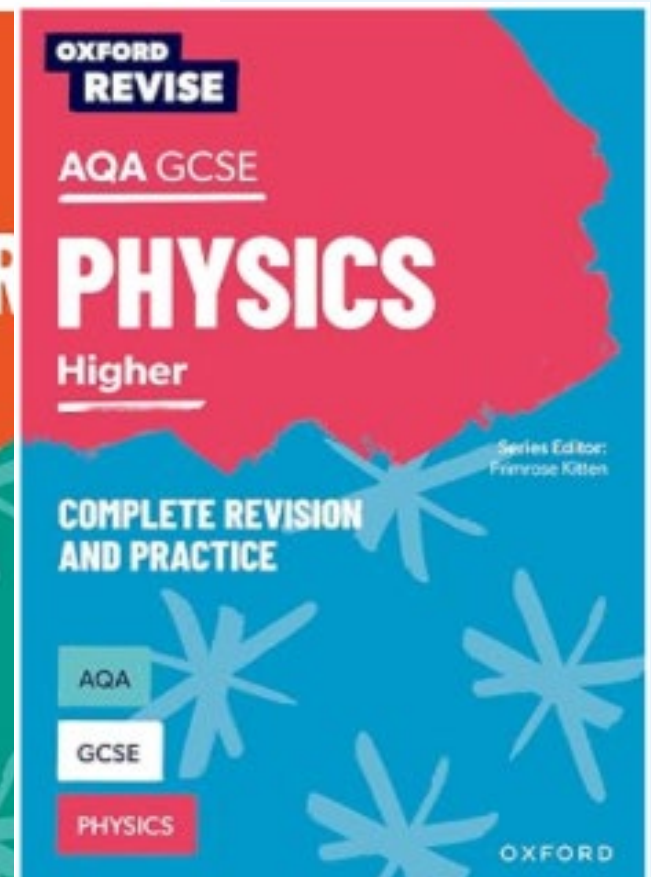
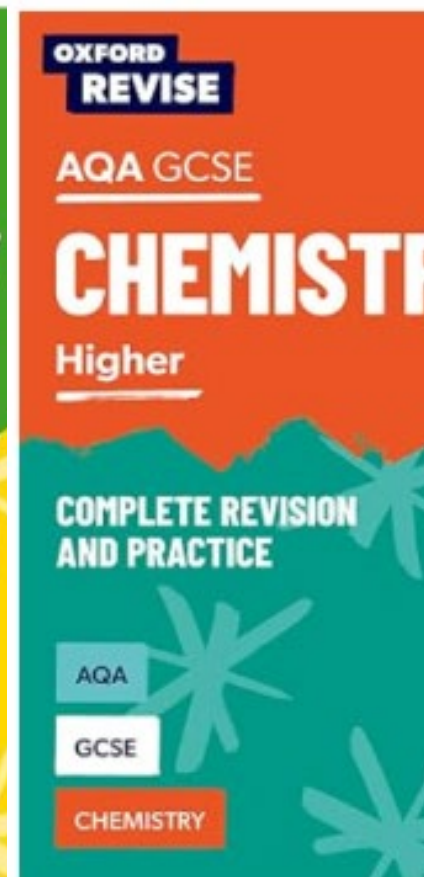
All GCSE Science lessons are taught in specialist subject **Rotations**.

If you have selected **Separate Science** as one of your option choices you will have **extra** Biology, Chemistry and Physics lessons through the two-week timetable.

Subject rotations include a **home learning Past Paper Question Bundle** for each topic, as well



Revision guides



Key exam dates

Practice exams – Science paper 1

Combined science	Exam date
Biology	Monday 2 nd November
Chemistry	Friday 23 rd October
Physics	Wednesday 21 st October

Separate science	Exam date
Biology	Wednesday 21 st October
Chemistry	Monday 2 nd November
Physics	Friday 23 rd October

Summer exams

Combined science	Paper 1	Paper 2
Biology	11 th May 2027	10 th June 2027
Chemistry	17 th May 2027	15 th June 2027
Physics	25 th May 2027	18 th June 2027

Separate science	Paper 1	Paper 2
Biology	11 th May 2027	10 th June 2027
Chemistry	17 th May 2027	15 th June 2027
Physics	25 th May 2027	18 th June 2027



Key Messages...

Work in school: 8.20am – 3.50pm day / after school sessions

Work away from school: home learning / Revision – organisation, preparation and techniques

Parental newsletter

Examinations – guidelines and timings

Resources

Support – striking a balance: academic and well-being

