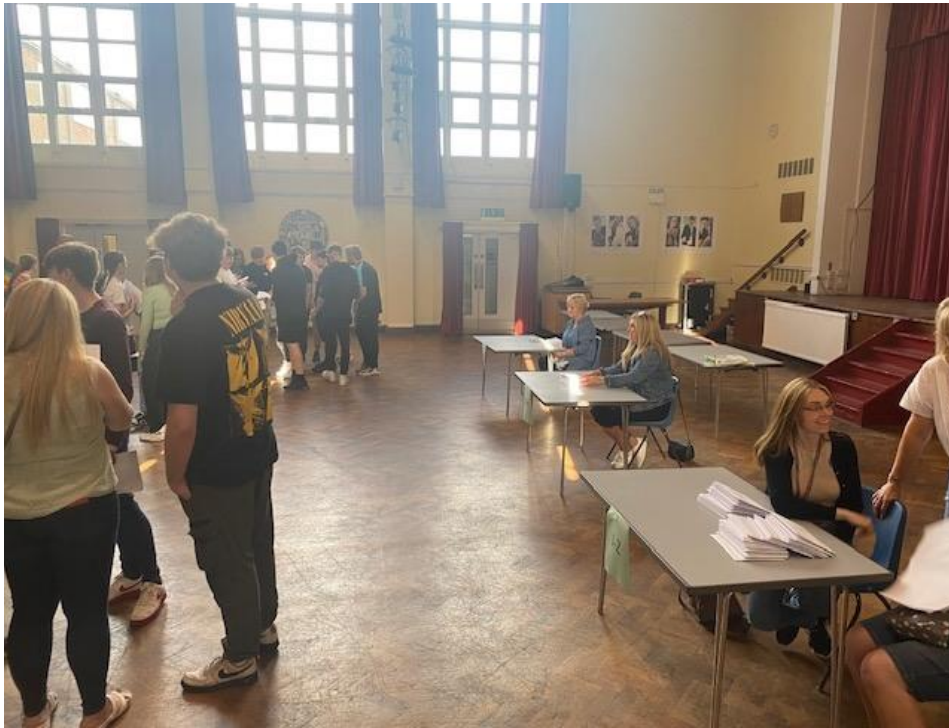


Moorside High School

22nd August 2024

Engage and Achieve



Correspondence

Letter to schools and colleges September 2023

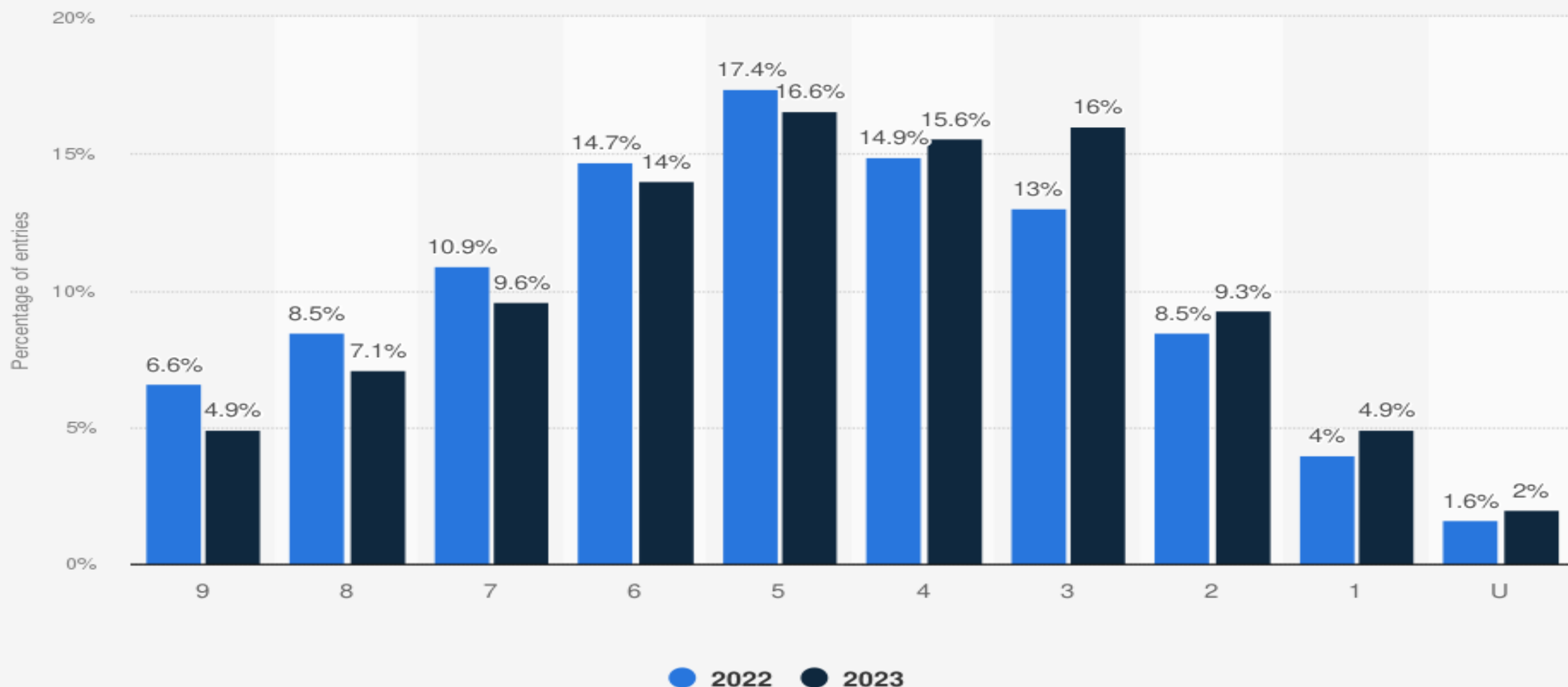
Published 28 September 2023

Grading for GCSEs

The [2-year transition to pre-pandemic grading](#) is now complete. Normal grading arrangements will continue for GCSEs, AS and A levels in 2024.

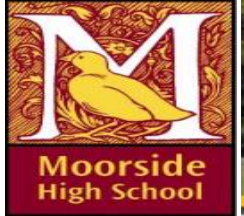
Ofqual expects national results in 2024 to be broadly similar to this year.

Percentage of GCSE entries in England in 2022 and 2023, by grade level



Source
Joint Council for Qualifications
© Statista 2023

Additional Information:
United Kingdom (England); Joint Council for Qualifications; 2022-2023



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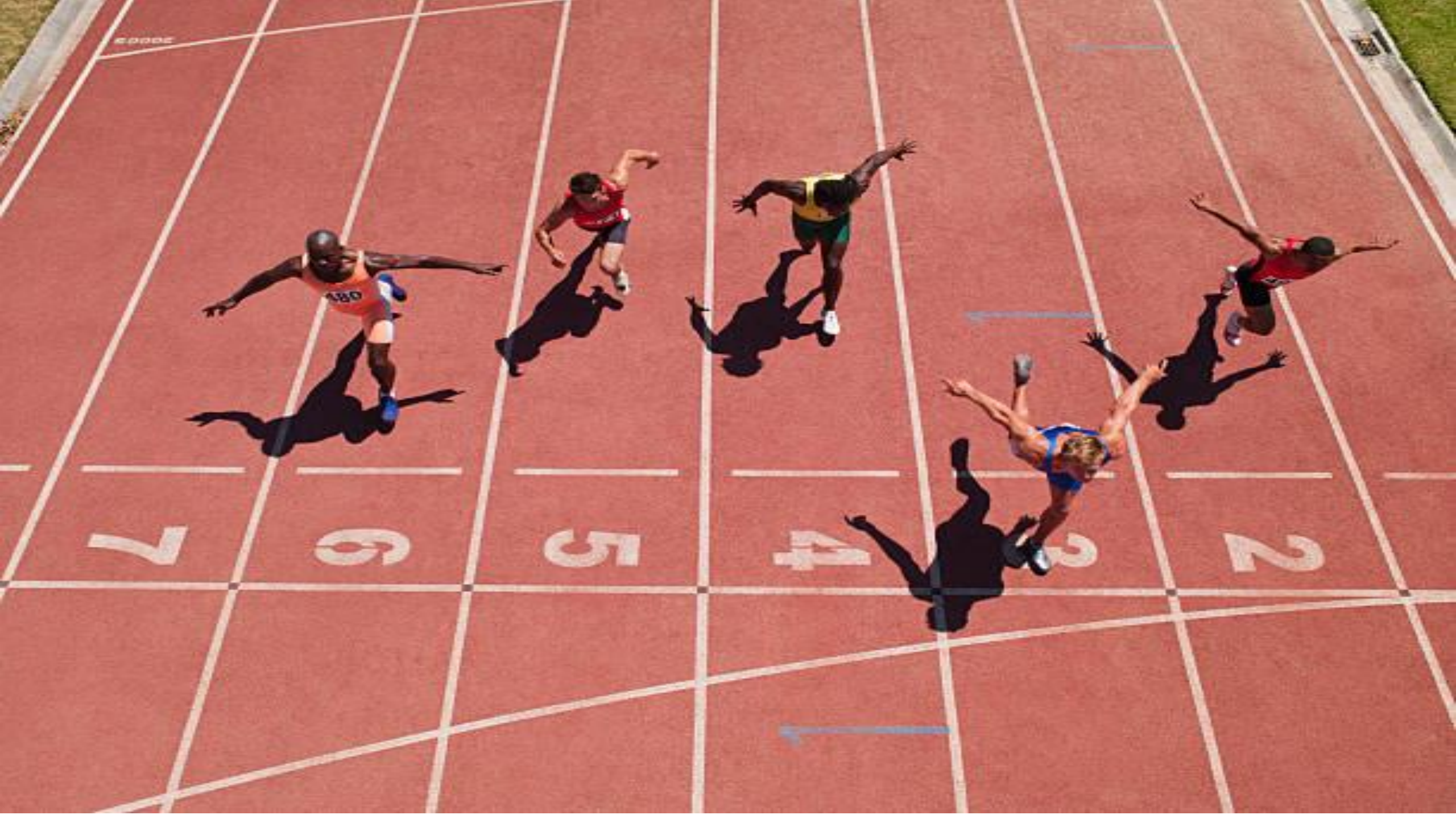
Engage and Achieve

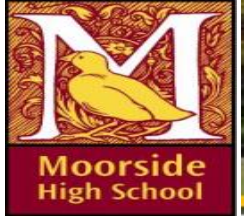
Exams are marked



Grade boundaries are decided







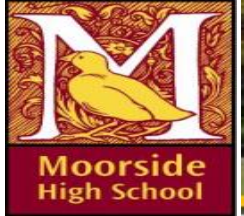
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2022 Progress 8 -0.23





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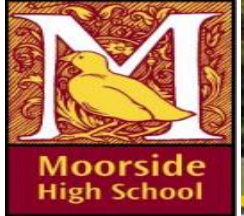


Engage and Achieve

2022 Progress 8 -0.23

2023 Progress 8 0.09





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2022 Progress 8 -0.23

2023 Progress 8 0.09

2024 Progress 8





Ensuring a successful Year 11

The Year Ahead

Week	Event
1	INSET DAY exams made easy training
2	
3	
4	Challenge day
5	GCSE revision and exam prep evening
6	First report to parents
7	WORK EXPERIENCE
8	Manchester Uni trip
9	HALF TERM
10	INSET DAY
11	Challenge Day
12	Music Practicals
13	Mock exams
14	Mock exams
15	Mock exams
16	INSET DAY
17	CHRISTMAS HOLS
18	CHRISTMAS HOLS

19	Mock results day Parents evening
20	
21	
22	Challenge Day
23	
24	HALF TERM
25	
26	Challenge Day
27	
28	Music Practical
29	
30	EASTER HOLIDAY
31	EASTER HOLIDAY

32	Speaking exam window opens
33	
34	
35	
36	Bank Holiday Written exams begin
37	Written exams
38	Written exams
39	HALF TERM
40	Written exams
41	Written exams
42	Written exams

There are 30 weeks until the FINAL EXAMS start.

6 Weeks of Holiday

1 Week of Work Experience

3 Weeks of Mock Exams

So 20 weeks in Normal lessons

Except....

5 Days of Inset or Pupil Personal Development days

So we have 19 weeks of curriculum time

96 DAYS

Pupil voice

- ▶ IT4 is open for personal study every lunchtime
- ▶ Science 6 is open for personal study from 12:45 and is resourced with revision materials and will be staffed by different departments on given days.
- ▶ We are organising revision masterclasses led by Stoke Sixth Form and AIM HIGHER.
- ▶ All lessons will contain at least 1 exam question to ensure pupils are familiar with the language used and skills needed
- ▶ All departments are now setting at least one homework a week on older topics to support revision
- ▶ We will also be using some class time to write revision cards at the end of our current units of work.
- ▶ Every student in year 11 always gets at least 1 careers appointment with our in house Level 5 careers advisor
- ▶ The school website has a dedicated revision area which contains the crucial subject checklists
- ▶ Students that are in need of a mentor or have requested one are being allocated for extra support and advice
- ▶ Mental Health support is now available 3 days a week in school as well as specific Year 11 drop in sessions during a lunch break

GCSE EXAMINATIONS | REVISION

GUIDANCE AND SUPPORT

- Arbor
- CEOP Safety Centre
- Cloud Drive Links
- GCSE Examinations**
- House System
- Literacy Zone
- My Homework
- Online Safety
- Pupil Zone
- Sparx (Mathematics)

Home » GCSE Examinations

In this section

- Pupil Zone
- CEOP Safety Centre
- GCSE Examinations**
- House System
- Literacy Zone
- My Email
- My Homework
- Online Safety

Tips & Advice

Click below to download an Examination Handbook containing examination guidelines and revision tips for students and parents.

GCSE EXAM TIMETABLE 2023	VIEW
EXAMINATION HANDBOOK Students & Parents	VIEW
INTERLEAVING & SPACING (Year 11) Revision Schedule	DOWNLOAD
INTERLEAVING & SPACING (Year 11) Advice for Parents	VIEW
INTERLEAVING & SPACING (Year 11) Guidance for Pupils	VIEW

Revision Materials

- ART AND DESIGN** [▼](#)
- CITIZENSHIP** [▼](#)
- COMPUTER SCIENCE** [▼](#)

Study skills session (Year 11 Day)

- MADE education
- ❖ Memory techniques
- ❖ Revision planning
- ❖ Mind Maps
- Visualising success
- Revision cards – 2 styles
 - Compressed notes
 - Question and Answer

Study skills session - GCSE MINDSET SESSIONS



Motivation

What do they want to achieve

What is their reward

What is likely to distract them / how to avoid distractions



Organisation

Organising their time

Deciding what they need to revise

Prioritising their weaker areas



Revision

Strategies

Coping with a disappointing assessment result

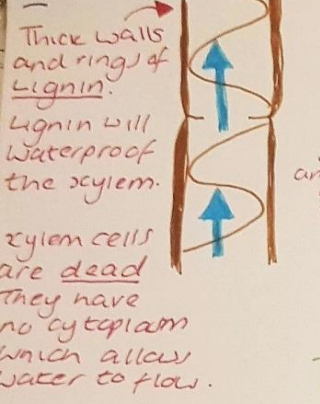


Phase 1 - gathering information

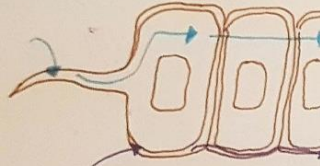
YEAR 11 - 1ST TERM

Involvement in Transpiration

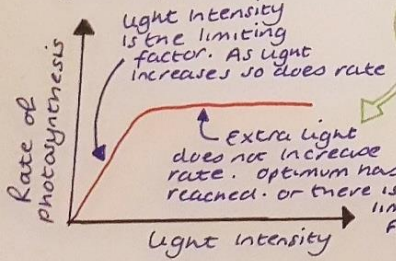
Xylem vessel
Carries water and dissolved nutrients up the plant.



Water enters by **Osmosis**

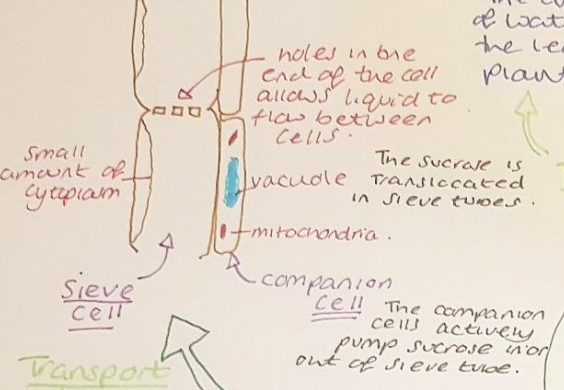


1. Light
2. CO₂ Concentration
3. H₂O
4. Temperature.



Phloem translocation

Carries sugars in all directions from leaves.



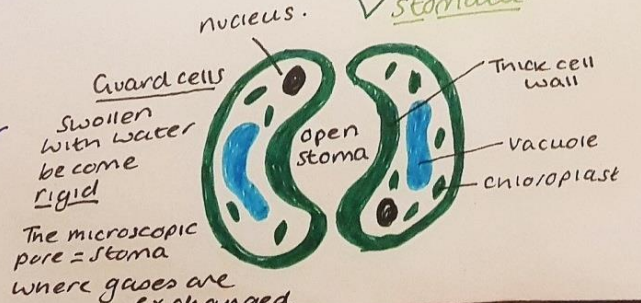
Transport in plants

The root hair has large surface area to increase absorbance.

Water and mineral enter through root hair.

Limiting Factors

Any factor that prevents rate of photosynthesis increasing.



Wind - moves H₂O away from leaves

high temperature - particles move faster + diffuse more.

humidity

light intensity makes the stomata open more.

Transpiration

1. Root hairs (osmosis)
2. up the xylem
3. lost at the leaves.

The evaporation of water from the leaves of a plant

Transpiration stream is the flow of water through a plant.

Transpiration can be investigated using a **Potometer**

This measure water uptake (and loss) in a plant.

All living things need energy for survival.

All energy originates from the sun.

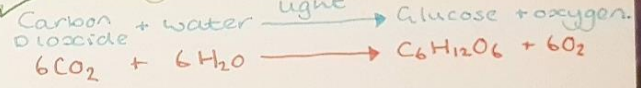
organisms

Autotrophs

Producers (Green plants) can create their own food directly.

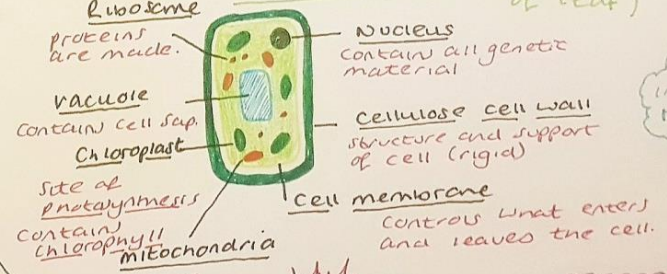
Heterotrophs
Organism that must feed to gain energy e.g. Animals

Photosynthesis



The process of plants producing energy.

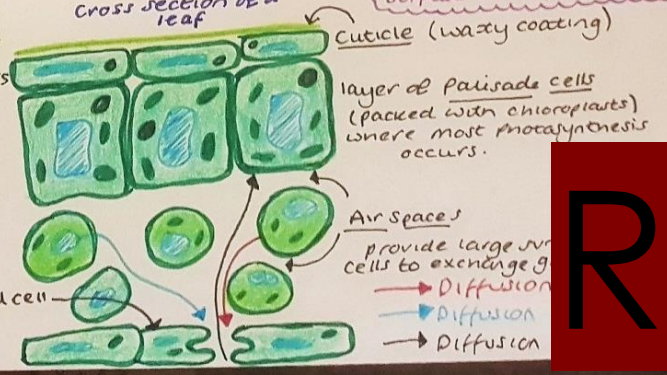
Palisade cell (Upper Part of leaf)



The material in an organism is the **biomass**.

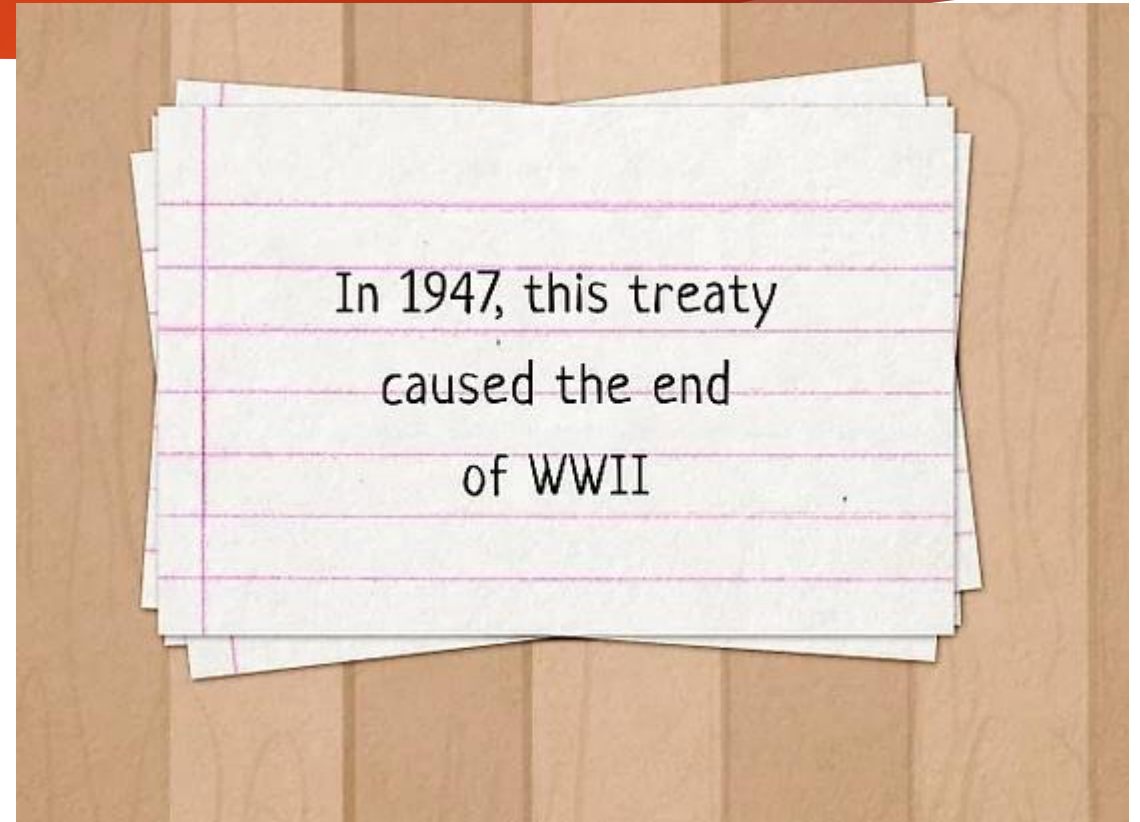
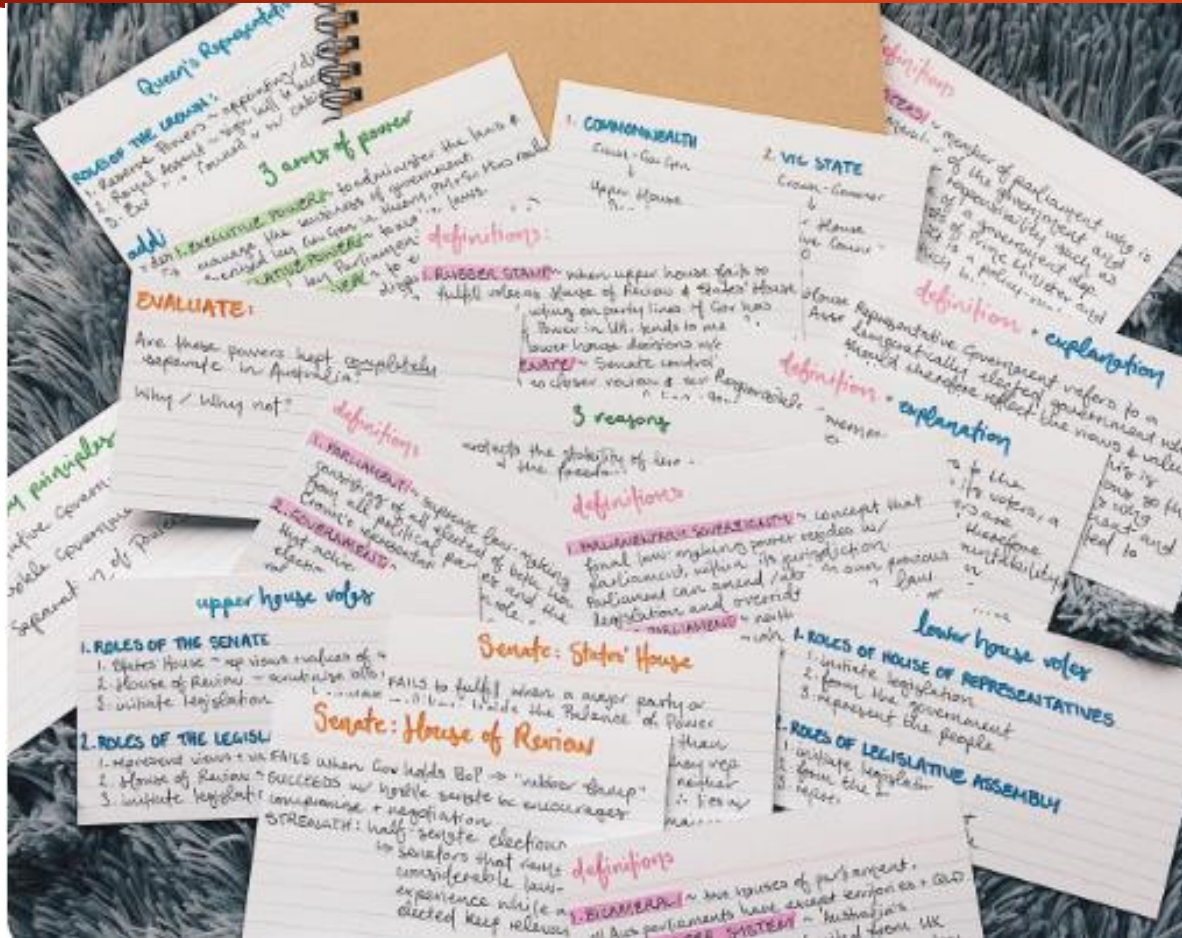
Leaves are broad and flat to allow a large surface area for reactions.

leaf



Revision

2 types of revision cards



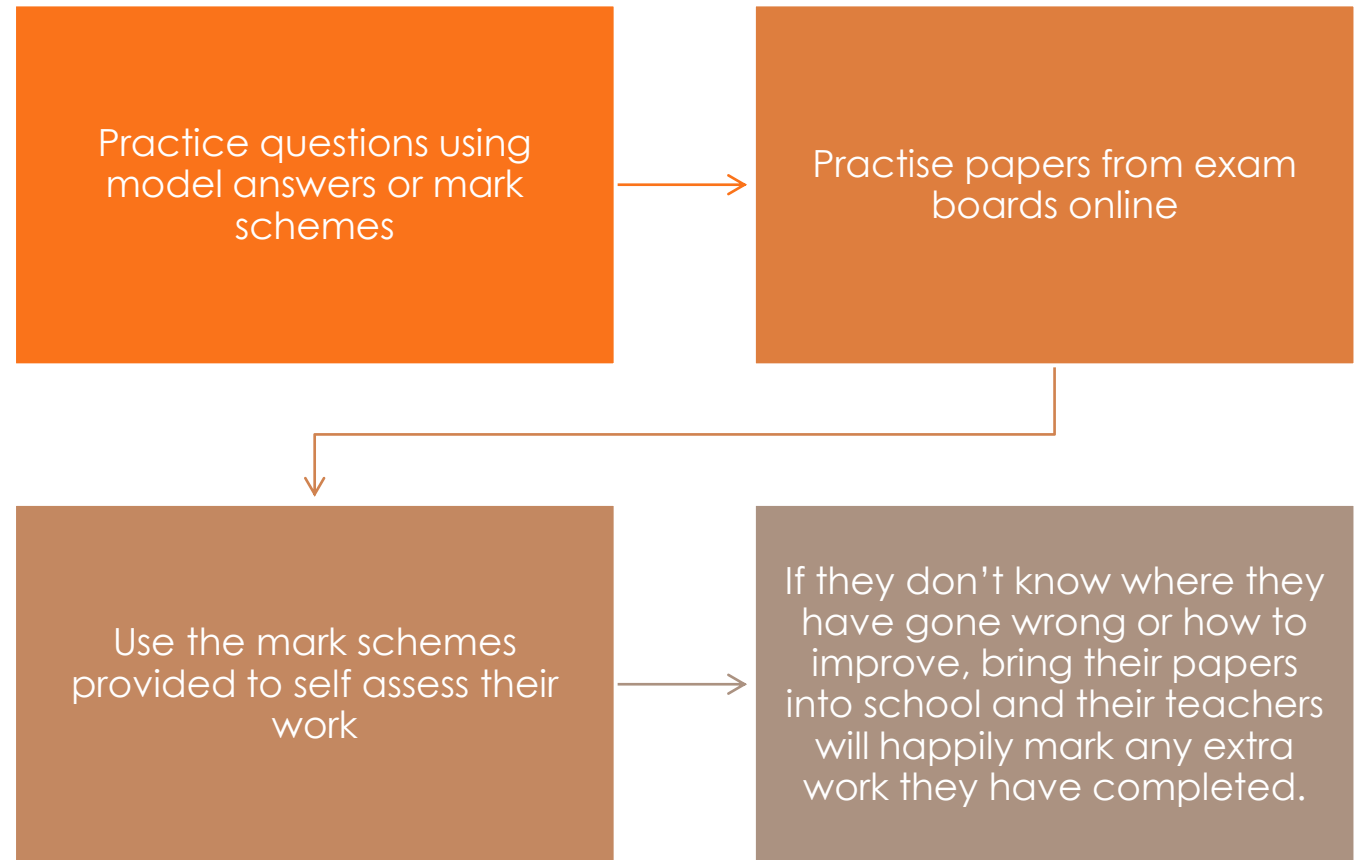
In 1947, this treaty
caused the end
of WWII



Phase 2- making connections/ using information

YEAR 11- 2ND TERM OR EARLIER IF READY

How to use the information you have gathered



THE ONE ABOUT SPACING AND INTERLEAVING

@inner_drive | www.innerdrive.co.uk

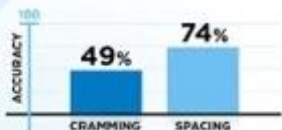
THE STUDY

How much impact does the order or type of questions that students answer have on how well they learn the material, and then on their ability to remember the answers later? Is spacing, which is doing little and often, better than cramming? Does interleaving, which is mixing up the type of problems, help more than blocking?

In the first study, researchers explored the difference between spacing out maths revision sessions over the course of a week compared to doing them all in one sitting. In their second study they also measured the impact of working on the same sort of maths problems for the whole session against mixing up the type of questions the students had to answer.

THE MAIN FINDINGS

1 In the final test, students who spaced out their revision sessions got an average mark of 74%, whereas those who crammed their revision got 49%.



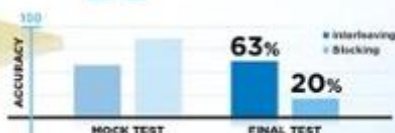
2 In the mock test straight after the revision session, block learning was better than interleaving.

However, in the final test one week later, students who interleaved the type of questions they answered got on average of

63%

...whilst those that had answered the same sort of problem (i.e. blocking) got on average

20%



Interleaving and spacing

The MOST EFFECTIVE way to revise!!

Spacing and Interleaving create a **desirable difficulty**

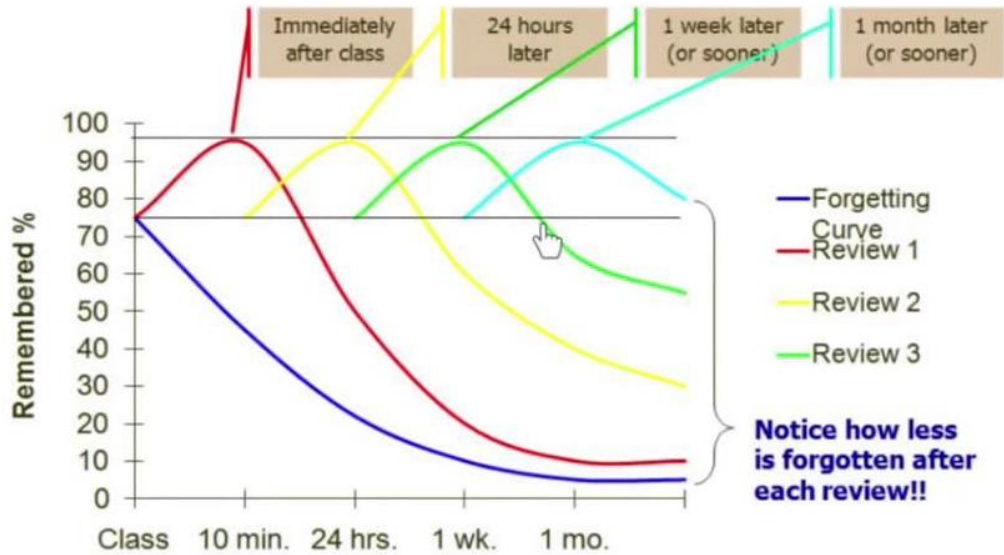
Interleaving is when you mix up the subjects/units rather than blocking a single subject/unit. **Long-term retention** and the ability to apply your knowledge improves.

Interleaving forces your brain to continually retrieve because each subject/unit is different from the last. Challenging your brain with different subjects/units will **strengthen your memory**.

The **spacing** effect boosts memory as the revision of material is more effective if spread out and revisited regularly over time.

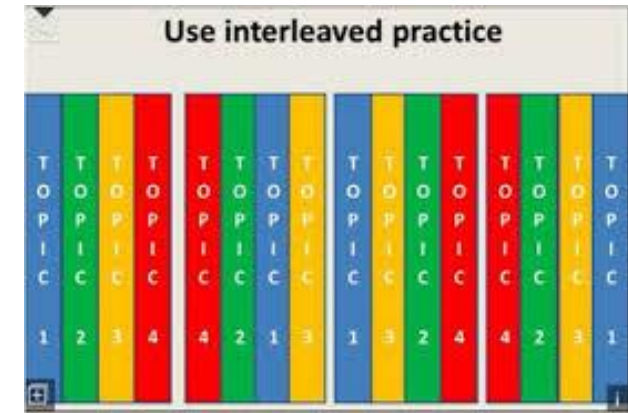
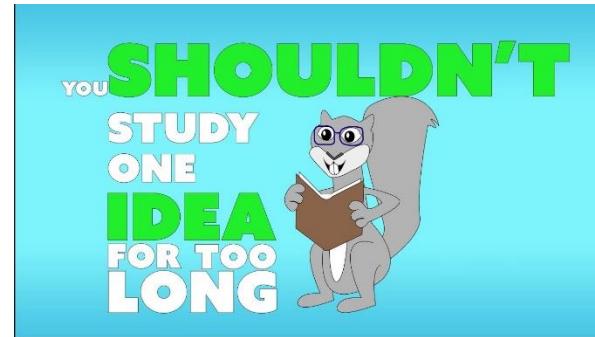
To **revise successfully** you should interleave and space different subject content throughout each study session, within the same week and across subsequent weeks.

Overcoming the Curve



1. By regularly revisiting the same content (spacing)
2. By mixing up (interleaving) your revision topics
3. By testing yourself

How can I improve my memory?



NAME: _____

Week A	Interleaved and Spaced Revision Schedule (O=Organise, P=Practice, T=Test)						
30 min sessions	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Session 1							
Session 2							
Session 3							
Session 4							
Session 5							
Session 6							
Session 7							

Create a revision timetable AND stick to it!!)

30 minute slots

Mix up (interleave) your revision - don't concentrate on just one subject per day/week etc.

- Your timetable sheet shows a maximum of 7 x 30 minute revision slots per day.
- Multiply the number of GCSE subjects you are taking by 3 to give you the number of slots you should fill per week e.g. 10 subjects x 3= 30 slots per week.
- On a typical school day you should fill 4 x 30 min slots and at the weekend 7 x 30 min slots per day (up to 34 slots per week available)
- Each subject should appear on your timetable 3 times per week.
- To maximise your time use travel time, form time, lunch etc. for revision as well.

Use your time wisely!



SPACING

Each of your 3 subject sessions per week should have a different focus...

OPT: ORGANISE - PRACTISE - TEST

1st session on a subject

- **ORGANISE** = 30 minutes for you to get your resources together -the revision guide, exercise books, resources from the teacher, paper, post-its, flash cards, pens, a folder and past papers/questions for the testing session. Give everything a read through, highlight key things/use post-its/ flash cards and re-familiarise yourself with the unit.

2nd weekly session on a subject

- **PRACTISE** = 30 minutes for you to revise the subject/unit. Make the process active by creating flash cards, mind maps, Cornell Notes or any other memory techniques.

3rd weekly session on a subject

- **TESTING** = 30 minutes for you to test what you are now able to successfully retrieve. Use a recognised testing method like answering questions verbally to a parents, answering practise questions and doing past papers. Finish by self-marking by using the revision, model answers and mark schemes. Make sure you brief your teacher on your progress.





Always doing a mixture of subjects on any one day (interleaving)

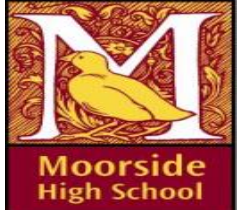
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NAME:	Interleaved and Spaced Revision Schedule (O-Organise, P-Practice, T-Test)							
30 min revision	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
Session 1	Chemistry (O)	ICT (O)	RE (O)	ICT (P)	German (T)	Chemistry (T)	RE(T)	
Session 2	Maths (O)	Eng Lang (O)	Biology (O)	Maths (P)	Eng Lang (P)	History (T)	Physics (T)	
Session 3	History (O)	Music (O)	History (P)	German (P)	Music (P)	Eng Lang (P)	Biology (T)	
Session 4	German (O)	Physics (O)	Eng Lit (O)	Eng Lit (P)	Chemistry (P)	RE (P)	Music(T)	
Session 5						Biology (P)	Maths (T)	
Session 6	Different focus for each of the 3 sessions (OPT)						Physics (T)	ICT (T)
Session 7						Eng Lit (T)	Chemistry (T)	
30 min revision	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
Session 1	Maths (O)	Eng Lit(O)	Chemistry (P)	Physics (P)	Biology (P)	ICT(T)	Maths (T)	
Session 2	Chemistry (O)	Physics (O)	Biology (O)	Eng Lit(P)	Music (P)	German (T)	RE(T)	
Session 3	Eng Lang(O)	Music (O)	Eng Lang(P)	History (P)	Eng Lang (T)	Chemistry (T)	Physics (T)	
Session 4	History (O)	German (O)	ICT(P)	RE(O)	German (P)	Eng Lit (T)	Biology (T)	
Session 5	ICT(O)			Maths (P)		History (T)	Music (T)	
Session 6						RE (P)		
Session 7	Spaced throughout the week							

Done more sessions in the week so less to do at the weekend





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Personalise your timetable to suit yourself. You could
Add times to your timetable (see below)

NAME: _____

Week A	Interleaved and Spaced Revision Schedule (O=Organise, P=Practice, T=Test)						
WEEKDAY 30 min sessions	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8 - 8.30	Chemistry (O)	ICT (O)			German (T)	Chemistry (T)	RE(T)
12.15 - 12.30	Maths (O)	Eng Lang (O)		Maths (P)	Eng Lang (P)	History (T)	Physics (T)
4- 4.30			History (P)		Music (P)	Eng Lang (P)	Biology (T)
4.45 - 5.15	History (O)		Eng Lit (O)	Eng Lit (P)	Chemistry (P)	RE (P)	Music(T)
6.30 - 7		Music (O)	RE (O)	German (P)		Biology (P)	Maths (T)
7.15 - 7.45	German (O)	Physics (O)	Biology (O)			Physics (T)	ICT (T)
8 - 8.30				ICT (P)		Eng Lit (T)	Chemistry (T)

Do more revision on weekdays to avoid filling your weekends
Give yourself some nights off (but transfer the sessions to other days)

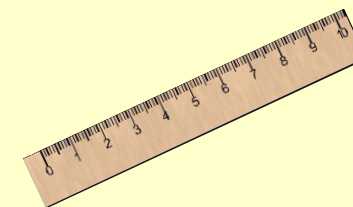
As long as you fill the slots you need (no. of GCSEs x 3 = slots needed per week) then you can make the timetable fit your preferences.



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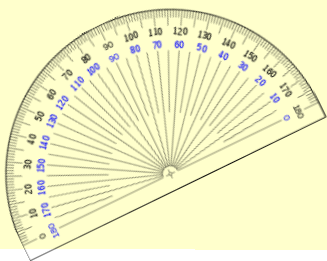


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GCSE Maths

Edexcel



Engage and Achieve



Science



Healthy School

reach

Dyslexia
friendly



Eco-Schools

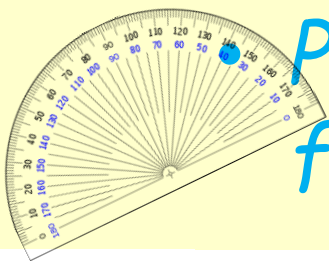
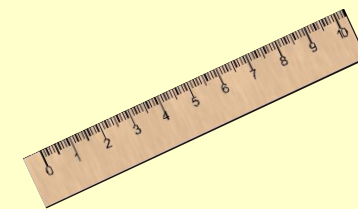


REWARDING COMMITMENT



Mock Examinations

- Pupils will be taking 3 papers
- Paper 1 is non-calculator
- Papers 2 & 3 are calculator tests
- There are 2 tiers of entry

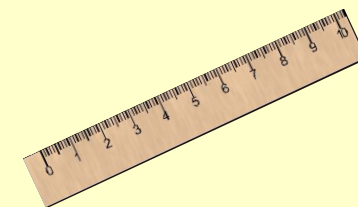


Pupils will not be provided with a formula sheet this year

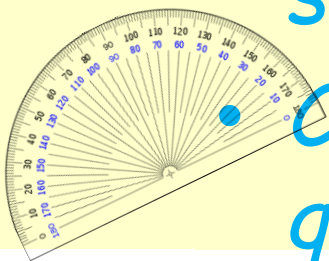




Revision Techniques



- Make revision cards that contain key facts
- Make revision cards that contain a question on one side with a worked solution on the reverse

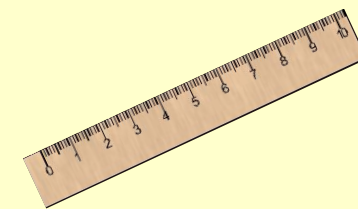


Complete past papers and exam style questions

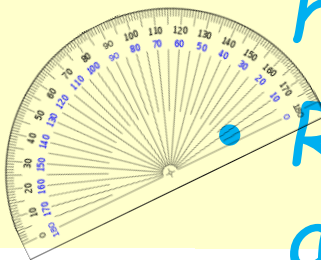




Revision Techniques

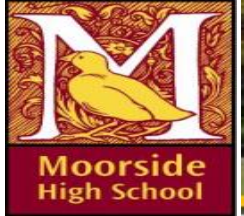


- Complete regular revision in small chunks
- Ask the class teacher
- Use the revision list that students have been provided with



Refer to old green sheets to identify areas of weakness

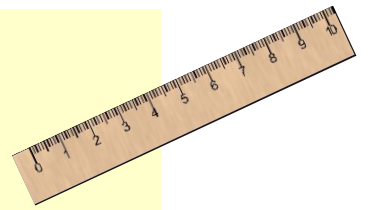




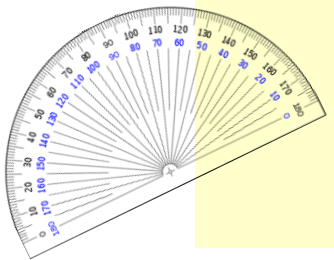
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Revision Techniques



- Use revision guides and workbooks to support revision
- Use online resources to support revision as well



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Corbettmaths.com

Engage and Achieve

5-a-day

Videos

Worksheets



Corbettmaths Revision Cards
Designed for the new 9-1 GCSE
GCSE Higher or
GCSE Foundation

GCSE Nov 2022

Practice Papers





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Algebra: changing the subject [Video 7](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: changing the subject advanced [Video 8](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: collecting like terms [Video 9](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: completing the square [Video 10](#) [Practice Questions](#) [Textbook Exercise](#)

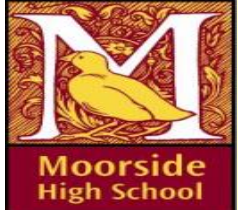
Algebra: dividing terms [Video 11](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: equation of a circle [Video 12](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: expanding brackets [Video 13](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: expanding two brackets [Video 14](#) [Practice Questions](#) [Textbook Exercise](#)





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Grade 5

Videos	Exam Questions	Exam Questions Booklet	Solutions
Writing a Ratio as a Fraction or Linear Function	Exam Questions Exam Questions	Ratio Fraction Problems Ratio Problems 2	Solutions Solutions
Direct and Inverse Proportion	Exam Questions	Direct and Inverse Proportion	Solutions
Reverse Percentages	Exam Questions	Reverse Percentages	Solutions
Standard Form	Exam Questions	Standard Form	Solutions
Speed and Density	Exam Questions	Compound Measures	Solutions
Changing the Subject of a Formula	Exam Questions	Changing the Subject of a Formula	Solutions
Expanding and Factorising Quadratics	Exam Questions	Expanding and Factorising Quadratics	Solutions
Solving Quadratics	Exam Questions	Solving Quadratics	Solutions
Drawing Quadratic Graphs		Quadratic Graphs	Solutions
Drawing Other Graphs: Cubic/Reciprocal		Cubic/Reciprocal Graphs	Solutions
Simultaneous Equations	Exam Questions	Simultaneous Equations	Solutions
Solving Simultaneous Equations Graphically	Exam Questions	Solving Simultaneous Equations Graphically	Solutions





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Edexcel GCSE Exam Papers

Pearson Education accepts no responsibility whatsoever for the accuracy or method of working in the answers given.

[Grade Boundaries](#)

For GCSE Maths I am using the Casio Scientific Calculator: [Casio Scientific Calculator](#)

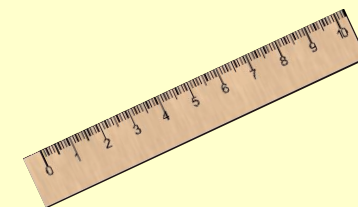
Foundation GCSE Exam Papers

Paper	Answers
2020 Paper 1	MS Ans ▶
2020 Paper 2	MS Ans ▶
2020 Paper 3	MS Ans ▶
November 2019 Paper 1	MS Ans ▶
November 2019 Paper 2	MS Ans ▶
November 2019 Paper 3	MS Ans ▶
June 2019 Paper 1	MS Ans ▶
June 2019 Paper 2	MS Ans ▶
June 2019 Paper 3	MS Ans ▶
November 2018 Paper 1	MS Ans ▶

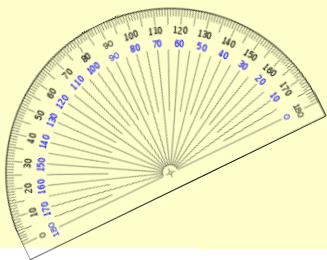




Year 10 Exams



- Each student was given an analysis of their performance on this assessment.
- Use this analysis to guide revision



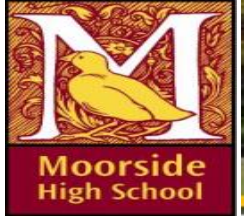


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Engage and Achieve

Questions	Topic	Score	Sparx Code
1a	Interpreting scatter graphs	1 / 1	U277
1b	Interpreting scatter graphs	1 / 1	U277
1c	Interpreting scatter graph, Presenting data and making conclusions	1 / 1	U277,U571
2	Expanding single brackets	1 / 2	U179
3	Finding the area of trapeziums, Finding the area of triangles	1 / 2	U265,U945
4	Tree diagrams for independent events	0 / 2	U558
5a	Finding unknown angles in right-angled triangles	2 / 2	U545
5b	Finding unknown angles in right-angled triangles	1 / 1	U545
6a	Probabilities of mutually exclusive events	4 / 4	U683
6b	Writing probabilities as fractions, decimals and percentages	0 / 1	U510
7	Solving equations with the variable on both sides	0 / 3	U870
8	Angles in polygons	3 / 5	U427
9a	Standard form with a calculator	0 / 2	U161
9b	Percentage change with a calculator	0 / 2	U671
10	Finding the lowest common multiple	1 / 3	U751
11	Finding original values in percentage calculations	1 / 3	U286
12a	Finding equations of linear real-life graphs	1 / 2	U862
12b	Finding equations of linear real-life graphs	1 / 1	U862
12c	Finding equations of linear real-life graphs	1 / 1	U862
13	Finding the surface area and volume of similar shapes	1 / 3	U110
14	Using the product rule for counting	1 / 2	U369
15a	Estimating areas under non-linear graphs	0 / 3	U882
15b	Estimating areas under non-linear graphs	0 / 1	U882
16a	Quadratic sequences, Simultaneous equations involving quadratics	2 / 4	U206,U547
16b	Position-to-term rules for quadratic sequences	1 / 2	U206
17	The sine rule, The cosine rule	0 / 5	U952,U591
18a	Substituting, Finding approximate solutions to equations using iteration	0 / 2	U585,U168
18b	Finding approximate solutions to equations using iteration	0 / 1	U168
18c	Finding approximate solutions to equations using iteration	0 / 3	U168
19	Understanding sin, cos and tan, Solving quadratic equations	1 / 5	U605,U960,U665
20	Venn diagrams	1 / 5	U476
21a	Geometric proofs with congruence and similarity	1 / 3	U887
21b	Geometric proofs with congruence and similarity	0 / 2	U887
Total		28 / 80	





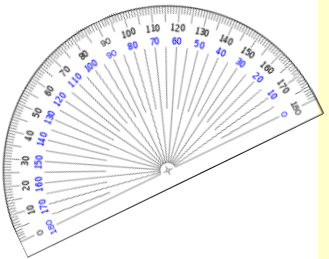
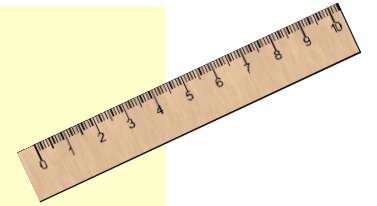
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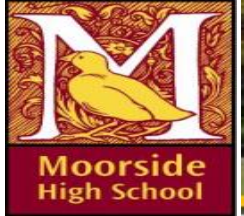
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Sparx

- This has currently been reduced down to a 30 minute homework to allow students time to also complete revision based tasks
- Independent learning









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Engage and Achieve

Sparx Maths

10170 XP   

★
Compulsory

Hey 

This is your personalised Compulsory homework. You need to answer every question correctly to complete it.

1/2

⌵ Homework due Wednesday 19th October 22%

⌵ Introducing Sparx Maths Completed ✓

⚡
XP Boost

👑
Target

💡
Independent Learning






Moorside High School

Sparx Maths

10170 XP



 Back to homework

Independent Learning

Find topics

My activity

Search for topics:

Enter topic name or code

Your curriculum:

GCSE

Default level:

Level 3

Select a topic:

Number



Algebra



Ratio and Proportion



Geometry



Probability



Statistics



Science



Healthy School



Eco-Schools



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[Independent learning](#) ▶ Number

▼ Place value

▼ Operations

▼ Negative numbers

▼ Roots and powers

▼ The order of operations

▼ Number skills

▼ Index rules

▼ Standard form

1/5 started

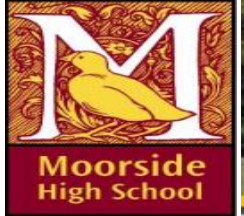
▼ Rounding

▼ Fractions and mixed numbers

▼ Fractions, decimals and percentages

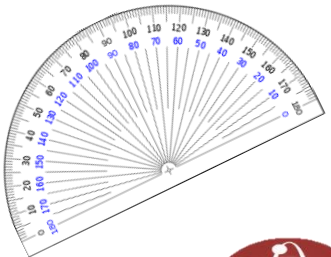
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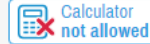


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Bookwork code: H70



The total mass of the weights on each side of these scales balances. What mass should replace the question mark so that the second set of scales balances? Give your answer in kilograms (kg).

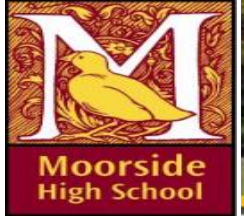


[← Back to task](#)

[Watch video](#)

[Answer >](#)

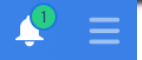




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< Sparx Maths

10170 XP



☆
Back to
homework

Independent Learning

Find topics

My activity



26 Sep 2023

HOMEWORK

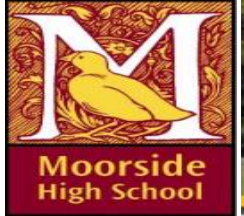
Finding missing angles in triangles

Key Stage 3 1

0/3 correct answers >

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GCSE English Eduqas





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English exams

English Literature

Monday 13th May
2 hours

- Shakespeare - *Macbeth*
- Poetry Anthology

Monday 20th May
2 hours & 30 mins

- *An Inspector Calls*
- *A Christmas Carol*
- Un-seen poetry

English Language

Thursday 23rd May
1 hour & 45 mins

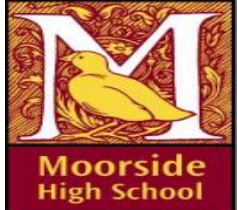
- Fiction Reading
- Fiction Writing

Thursday 6th June
2 hours

- *Non-fiction Reading*
- *Transactional Writing*

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Mock exams

English Literature

Component 2

2 hours and 30 minutes

- *An Inspector Calls*
- *A Christmas Carol*
- Unseen poetry

English Language

Component 1

1 hour and 45 minutes

- Fiction Reading
- Fiction Writing





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How do I pass literature?

Know your stuff:

1. Re-read the texts - know the plot, what happens when, how it links to the next part. English is tricky, if you haven't revised enough about the character, theme or poem that is on the paper you can't just turn to the next question!
2. An examiner wants to know that you know the text inside out, that you've spent time remembering what happens.
3. Then from that they want to know that you know **WHY** the text has been written in that way, why a character has been presented in that light, how that theme links to the plot.





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How do I pass language?

Know your stuff:

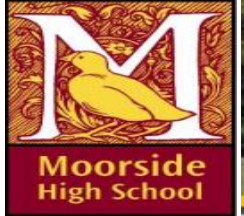
1. Have you got an idea for a story - does it make sense, who are your characters?
2. Do you know how to write a letter, an article, etc?
3. Stick to timings - don't spend longer, or shorter, on homework tasks, spend the time the teacher has said, then you're training yourself for the exam.
4. Write, write and write some more - you need to earn your grade.
5. Work through practice papers and work-books



How to revise - advice to students and parents

- Choose your topic - use the checklist to guide you
- Read through your notes
- Highlight key points
- Using the prompt questions, create a mind map or a flashcard
- Learn it - look, cover, recall
- Use revision websites - the links are on our main website
- Ask someone to test you - what can you remember? Tell them the story.
- Use the checklist to record what you have done
- Know what the papers are asking





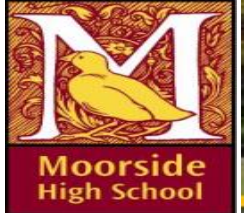
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GCSE Science AQA

How can parents support their child in Science?





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AQA combined Science Trilogy AQA triple Science (Set 1 and 2)

- Biology
 - Paper 1 - B1-4
 - Paper 2 - B5-7
- Chemistry
 - Paper 1 - C1-5
 - Paper 2 - C6-10
- Physics
 - Paper 1 - P1-4
 - Paper 2 - P5-7 (triple science P8)
- Tier of entry



Revision techniques. Knowledge and application

- Produce mind maps
- Revision postcards
- Unit placemats
- SPARX set weekly
- Use revision guides and workbooks (You may have already bought these in Year 10).
- Green Feedback sheets to assessments indicate areas of weakness that need to be addressed.

Trilogy Chemistry Paper 1 Revision checklist

Key Point
Atomic Structure & the Periodic Table
Describe the structure of an atom and calculate numbers of protons, neutrons and electrons given a periodic table
Describe the development of the nuclear model of the atom from earlier models – e.g the plum pudding
Describe how mixtures can be separated using filtration, evaporation, distillation and chromatography
Compare the size of atoms to other items
Explain what is meant by an isotope and calculate the Atomic mass of an element given the percentage abundance of its isotopes



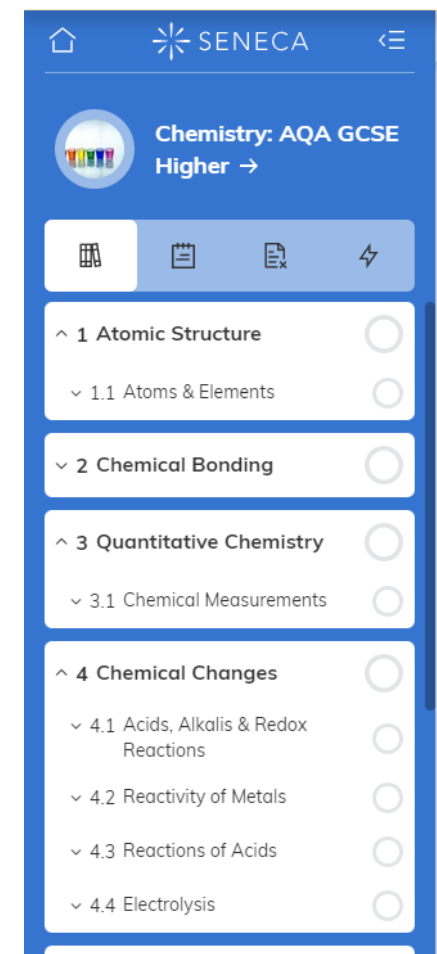
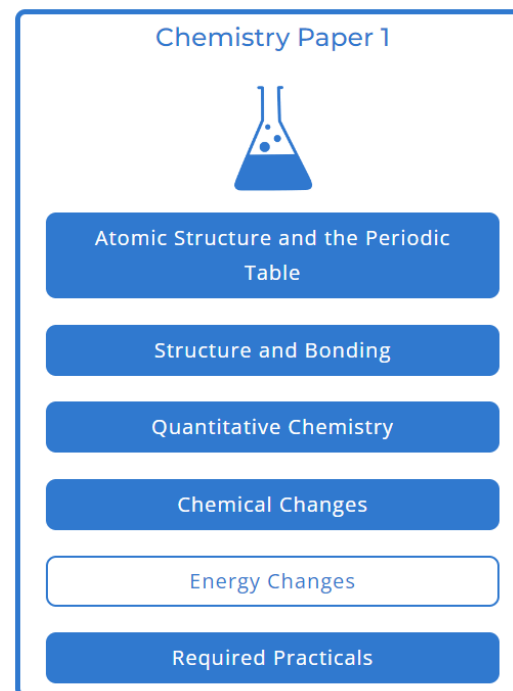
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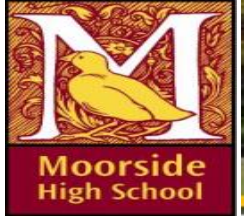
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Online:

- Free science lessons. This is specific to AQA.
- Seneca learning

Your child can select topics they want to focus on from year 9 and 10.





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Past paper questions - Application

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- As your child works through their revision, they will then need to apply it.
- AQA website has past paper questions that go back to 2018.
- Make sure that you pick the correct qualification and the correct tier of entry



Contact

[2022 exam changes](#)

[Subjects](#)

[Home](#) / [Find past papers and mark schemes](#)

Find past papers and mark schemes

Here you can find past papers and mark schemes to help you prepare for exams.

Select a subject to start your search.

Subject

Science

Qualification

GCSE

Specification

Combined Science: Trilogy (8464)

Which specification?

Biology (8461)

Chemistry (8462)

Physics (8463)

Combined Science: Synergy (8465)

Combined Science: Trilogy (8464)



Tips for home revision

- ▶ A quiet place to study
- ▶ No more than 45 at a time (ideally 25 minute sprints)
- ▶ No phones unless using a revision app
- ▶ Music with lyrics is NOT helpful
- ▶ Lots of encouragement without nagging

Buckle up! This could be a rocky ride

- ▶ This can be a very stressful time for you and your children
- ▶ Eating habits may change
- ▶ May become obsessive
- ▶ May work at odd times
- ▶ May get angry with themselves
- ▶ All of this is fixable