How To Help Your Child Succeed

Mrs Walker
Executive Principal

Tuesday 6th October 2026
5:00 – 6.45pm

Welcome

Thank you!

Our journey....

How to Help Your Child Succeed Evening - Tuesday 6th October 2026

Autumn PPEs - Monday 19th October 2026

PPE results & Parents' Evening - Monday 30th November 2026

Spring PPEs - Monday 1st February 2027

PPE results & Parents' Evening - Monday 15th March 2027

Pizza and Preparation Evening - Wednesday 24th March 2027

GCSE's start - Monday 10th May 2027

GCSE's finish - Tuesday 15th June 2027

Leavers assembly - Thursday 17th June 2027

Year 11 Prom - Thursday 24th June 2027

Results Day - Thursday 19th August 2027

Horbury Academy

Tuesday 11th May…

121 school days until…

the first GCSE Exam

121 opportunities for YOU to improve attendance, complete revision, and make progress before your first exam.

153 school days until…

you are in this photo as

Y11 leavers 2027

From here…

everyday counts!

Horbury Academy

Achieving Success - Exam Results

Overall attainment 8 for the Academy 50.7

76% achieving a 4+ in English and Maths

52% achieving a 5+ in English and Maths

National average (4+ = 65% and 5+ = 45%)

Over 95% of 2026 cohort went onto further education or training

A culture of success within Horbury runs through Academy....

but success does correlate quite closely to one key thing…

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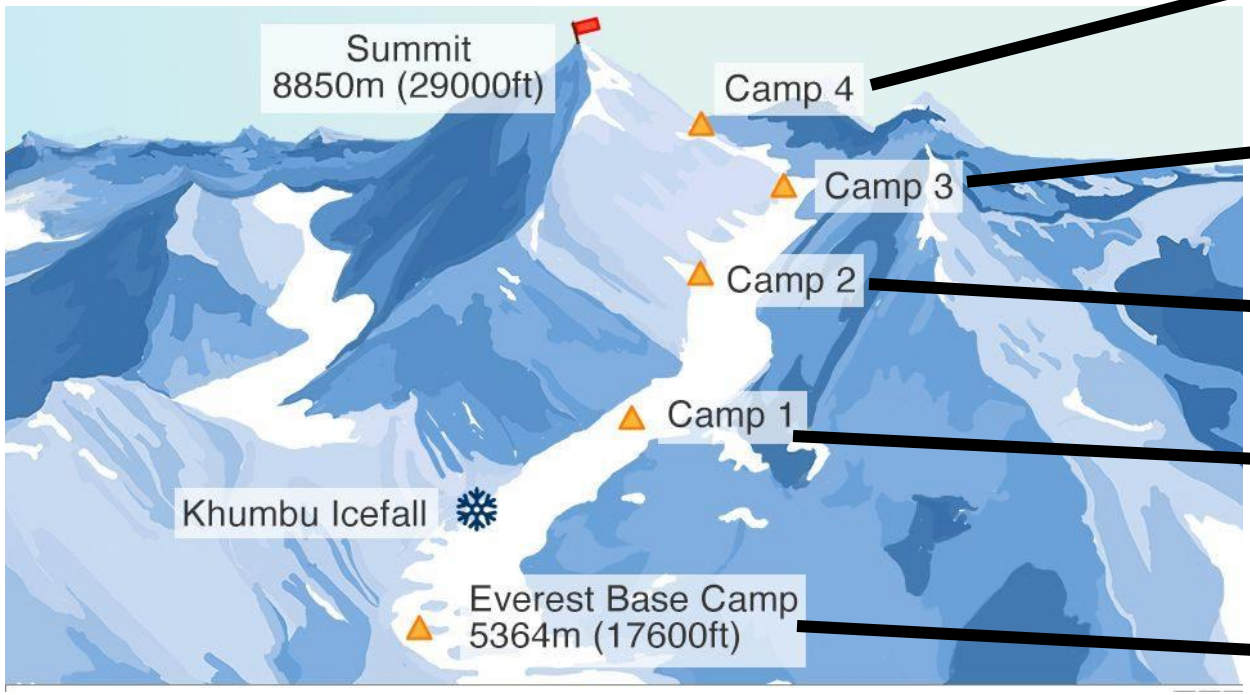

GCSE's

February PPEs

October PPEs

June PPEs

Year 10 step up to year 11

Horbury Academy

Thursday 19th August 2027

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Attendance matters!

Those that are in the building achieve **significantly better** than those where attendance dips below key levels:

- **Higher attendance significantly boosts GCSE success**: Pupils with over **95% attendance** are nearly twice as likely to achieve a **grade 5** or higher in English and Maths compared to those with **90–95% attendance**.
- **Attendance can impact performance**: Attendance **below 90%** Year 11 can reduce the likelihood of achieving a **grade 4** in any subjects by around 50%.
- **Attendance helps close the attainment gap**: Students with higher attendance consistently outperform peers with lower attendance, regardless of background.

Ultimately at Horbury Academy, we have a proven track record of ensuring that those with good attendance, achieve well and ensure that they are successful in their onward journey into college, apprenticeships and sixth form.

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How will we help your child to succeed?

Extra opportunities for Core subject areas

- **Form time (Period 1)**
- **1-2-1 Tutoring**
- **More curriculum time**

Extra opportunities before and after school / holidays & weekends

- **Recovery curriculum (period 7)**
- **Period 0** ***(We already have numerous students attending these for additional support – which is fantastic!)***
- **February/Easter/May college**
- **Saturday sessions**

As the real GCSE exams draw close, students are invited into the Academy for additional sessions during weekends and holidays to support revision and help to guide students where needed. This is once again targeted and planned to ensure that it is pitched at the right level for all students.

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How will we help your child to succeed?

Extra opportunities to complete outstanding work

Drop down days –

Periodically throughout the year, students will have the chance to work with teachers for a full day in subjects which require extended pieces of work to be completed i.e. vocational subjects and option subjects.

Online Support –

Remote learning opportunities via Teams, as well as Website and Apps to support online learning

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How will we help your child to succeed?

PPEs and Mock Results Days

October & February PPE –

Mock examinations using past papers and mark schemes to accurately gauge the current level of attainment for your child. Used to help make predictions and to identify areas of strength and development to further improve intervention to focus on the key areas.

The first round of PPE's were so impressive!!

Mock Results Days –

After each PPE series, results will be shared with pupils during **parents evening**. The next set of results will be shared on ***Mock results day is Monday 30th November***

How we can work together to help your child to succeed?

- Use the information from this evening to understand the relevant qualifications your child is taking
- **Support your child by encouraging them to attend everyday**
- Help them to organise themselves and revise for their PPEs & real examinations
- Attend parent's evenings (*Monday 30th November*), with your child, to discuss attitude and progress and what the areas that they are developing

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How we can work together to help your child to succeed?

- Know the PPE/GCSE exam timetable
- During exams, try to ensure they have a quiet place to study at home, without distractions (phones)
- Structure a revision timetable ***that works for them!***

Finally, please encourage the following:

- Healthy eating
- Exercise
- Time to relax and socialise with friends *(especially to help each other through)*
- Importance on ensuring sound Mental Health Strategies

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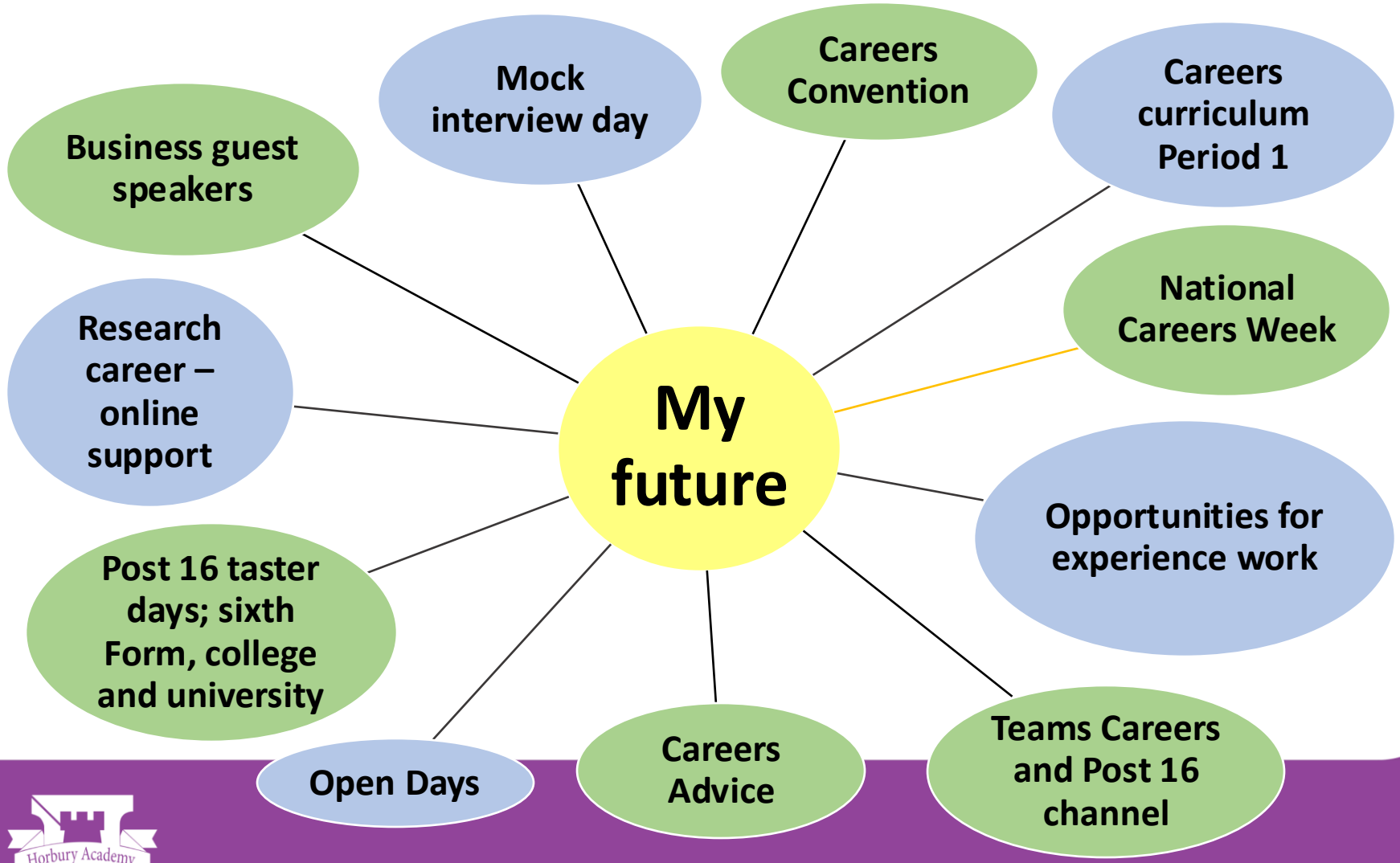
Careers Education, Information, Advice and Guidance 2026

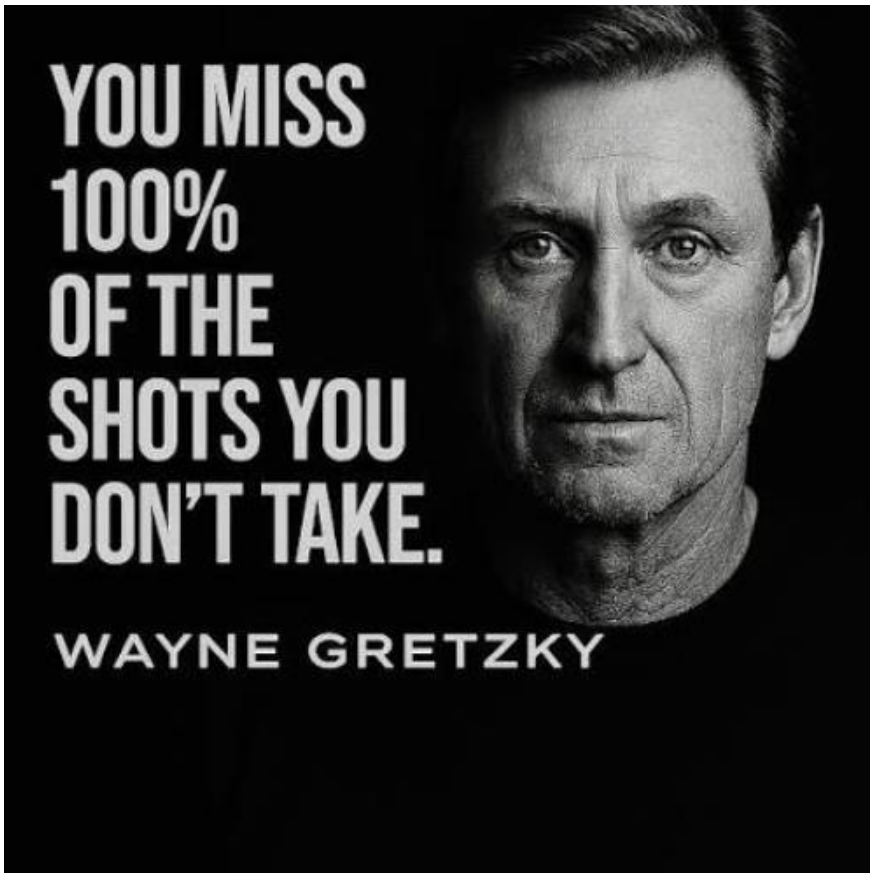


Final message….

- Be safe in the knowledge that all staff in this building have the students' best interests at the centre of everything that we are doing

- It is **hard work** to achieve your potential!

- Embrace the challenges!



How To Help Your Child Succeed Evening

English

CTL: Mr Walker

Welcome to English

- Mr Walker – CTL
- Mrs Cook – Deputy CTL
- Miss Castle – Deputy CTL

Welcome to English

- 5 curriculum lessons per week (3 Lit and 2 Lang)
- P7 – Every Thursday
- P0 – before PPEs. Then will start every week several times from after Easter.
- Holiday sessions – Feb half-term, Easter half-term and May half-term
- Saturday mornings – will run on the run up to final GCSEs
- Option Drop – pupils have English Weds P6
- Form time – some pupils have English for form time on a morning.

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Y11 Assessments In English

- PPEs – Oct/Nov and Feb/March

- Two assessments per half-term (mid-assessment and (final assessment)

Section A

Comprehension

Language Analysis

Structure

Evaluation

Section B

Creative Writing

Paper 1: Explorations in Creative Reading and Writing	Paper 2: Writers' Viewpoints and Perspectives
What's assessed **Section A: Reading** • one literature fiction text **Section B: Writing** • descriptive or narrative writing	**What's assessed** **Section A: Reading** • one non-fiction text and one literary non-fiction text **Section B: Writing** • writing to present a viewpoint
Assessed • written exam: 1 hour 45 minutes • 80 marks • 50% of GCSE	**Assessed** • written exam: 1 hour 45 minutes • 80 marks • 50% of GCSE
Questions **Reading (40 marks) (25%)** – one single text • 1 short form question (1 x 4 marks) • 2 longer form questions (2 x 8 marks) • 1 extended question (1 x 20 marks) **Writing (40 marks) (25%)** • 1 extended writing question (24 marks for content, 16 marks for technical accuracy)	**Questions** **Reading (40 marks) (25%)** – two linked texts • 1 short form question (1 x 4 marks) • 2 longer form questions (1 x 8, 1 x 12 marks) • 1 extended question (1 x 16 marks) **Writing (40 marks) (25%)** • 1 extended writing question (24 marks for content, 16 marks for technical accuracy)

Section A

True or False

Summary

Language Analysis

Comparison

Section B

Writing for Purpose

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GCSE English Literature

Paper 1: Shakespeare and the 19th-century novel	Paper 2: Modern texts and poetry
What's assessed • Shakespeare • The 19th-century novel	**What's assessed** • Modern texts • Poetry • Unseen poetry
How it's assessed • written exam: 1 hour 45 minutes • 64 marks • 40% of GCSE	**How it's assessed** • written exam: 2 hour 15 minutes • 96 marks • 60% of GCSE
Questions **Section A Shakespeare:** students will answer one question on their play of choice. They will be required to write in detail about an extract from the play and then to write about the play as a whole. **Section B The 19th-century novel:** students will answer one question on their novel of choice. They will be required to write in detail about an extract from the novel and then to write about the novel as a whole.	**Questions** **Section A Modern texts:** students will answer one essay question from a choice of two on their studied modern prose or drama text. **Section B Poetry:** students will answer one comparative question on one named poem printed on the paper and one other poem from their chosen anthology cluster. **Section C Unseen poetry:** Students will answer one question on one unseen poem and one question comparing this poem with a second unseen poem.

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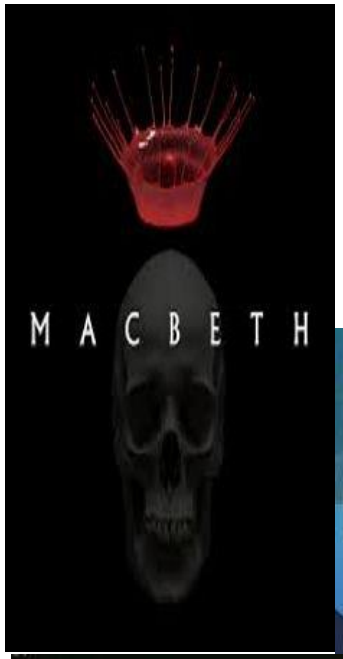
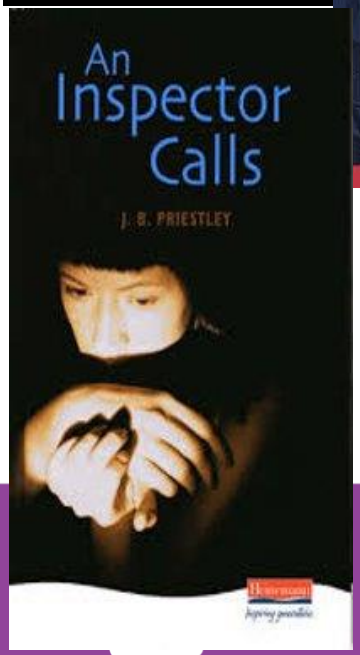
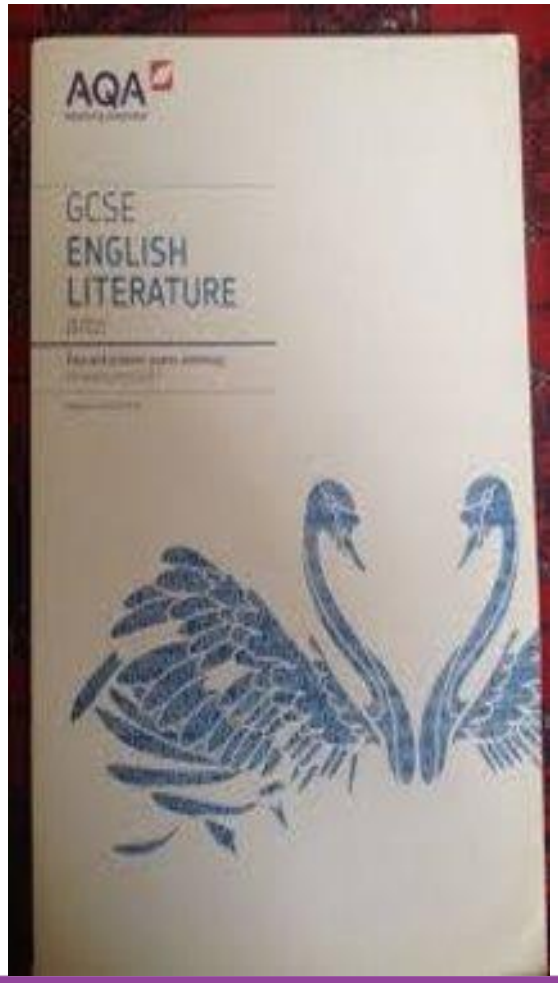




Macbeth, A Christmas Carol and An Inspector Calls

Pupils will have to show a thorough understanding of the characters, plot and themes across the texts

Pupils will be asked to write one essay question. Macbeth and A Christmas Carol are extract based whereas An Inspector Calls is a choice of question but no extract.



Power and Conflict/Worlds and Lives Poetry

Pupils will have to show a thorough understanding of the 15 Power and Conflict/Worlds and Lives poems within the anthology.

Pupils will be asked to write a comparison essay based on a given poem and one of their choice.

This is further supplemented by two unseen poetry questions.

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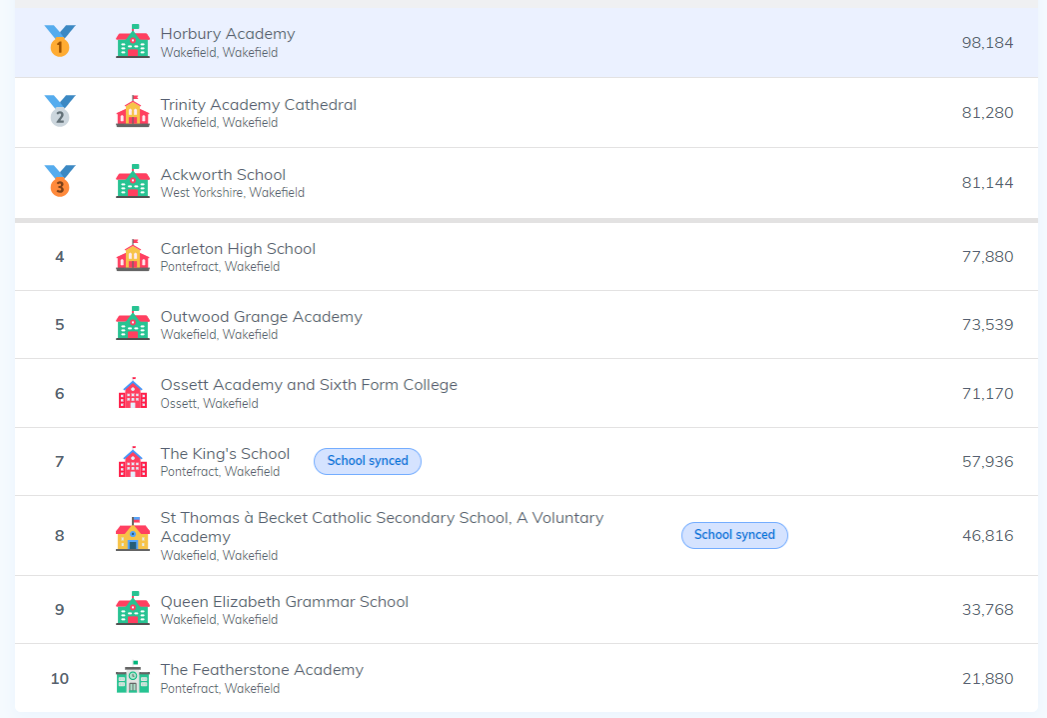
This year every pupil in Year 11 has been setup with a Seneca account.

Literature homework is being completed on the platform.

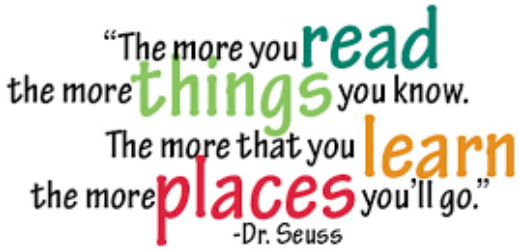
Each topic has a range of quiz and exam style material to support the learning of pupils.

Seneca



1	Horbury Academy Wakefield, Wakefield		98,184
2	Trinity Academy Cathedral Wakefield, Wakefield		81,280
3	Ackworth School West Yorkshire, Wakefield		81,144
4	Carleton High School Pontefract, Wakefield		77,880
5	Outwood Grange Academy Wakefield, Wakefield		73,539
6	Ossett Academy and Sixth Form College Ossett, Wakefield		71,170
7	The King's School Pontefract, Wakefield	School synced	57,936
8	St Thomas à Becket Catholic Secondary School, A Voluntary Academy Wakefield, Wakefield	School synced	46,816
9	Queen Elizabeth Grammar School Wakefield, Wakefield		33,768
10	The Featherstone Academy Pontefract, Wakefield		21,880

If there are any questions....



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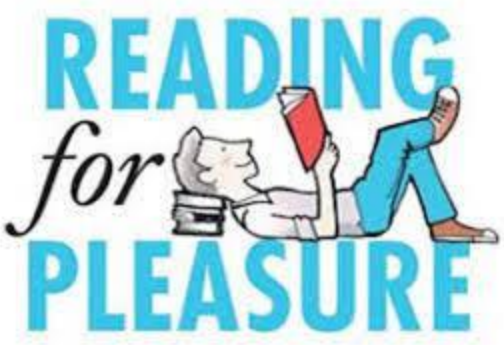

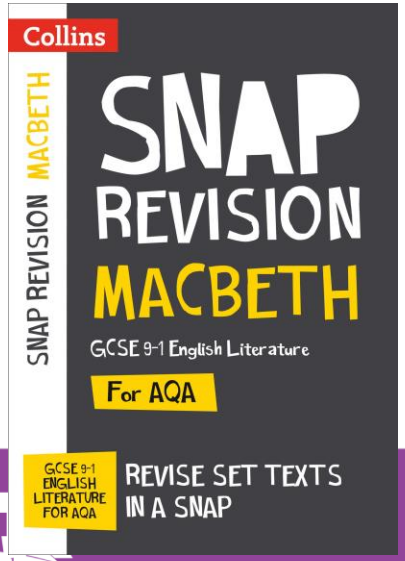

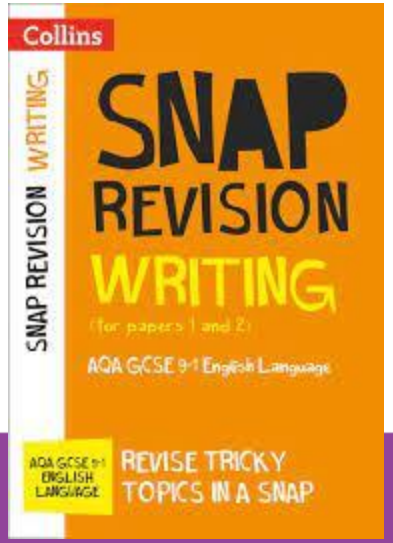

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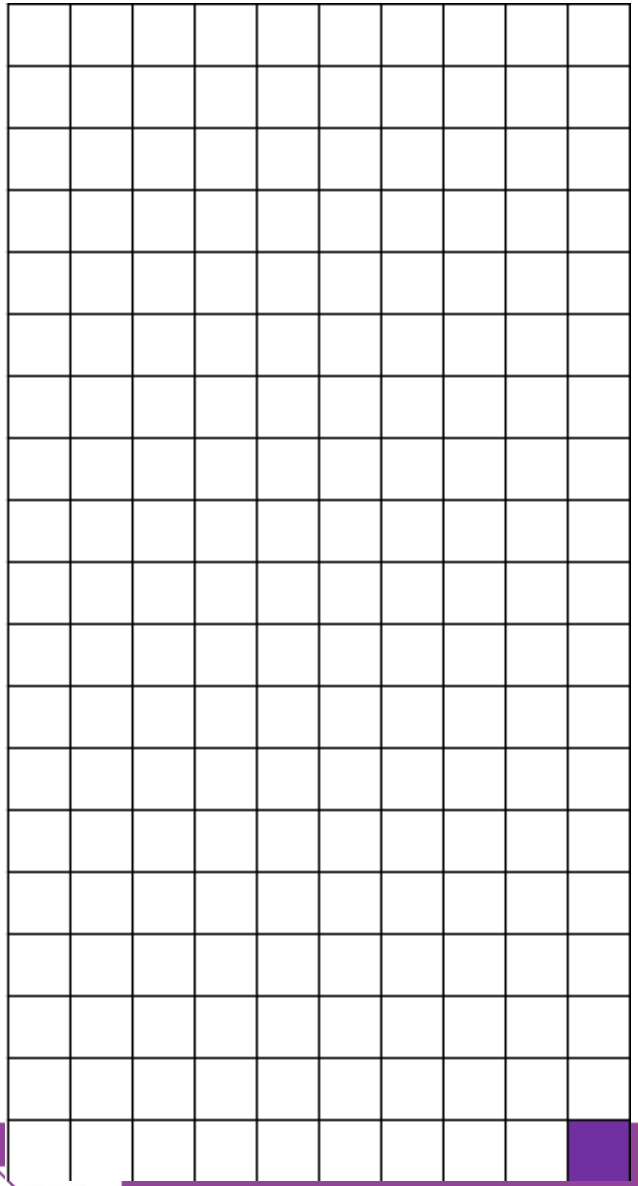
How To Help Your Child Succeed Evening

Maths

Lead Teacher: Mr Furlong



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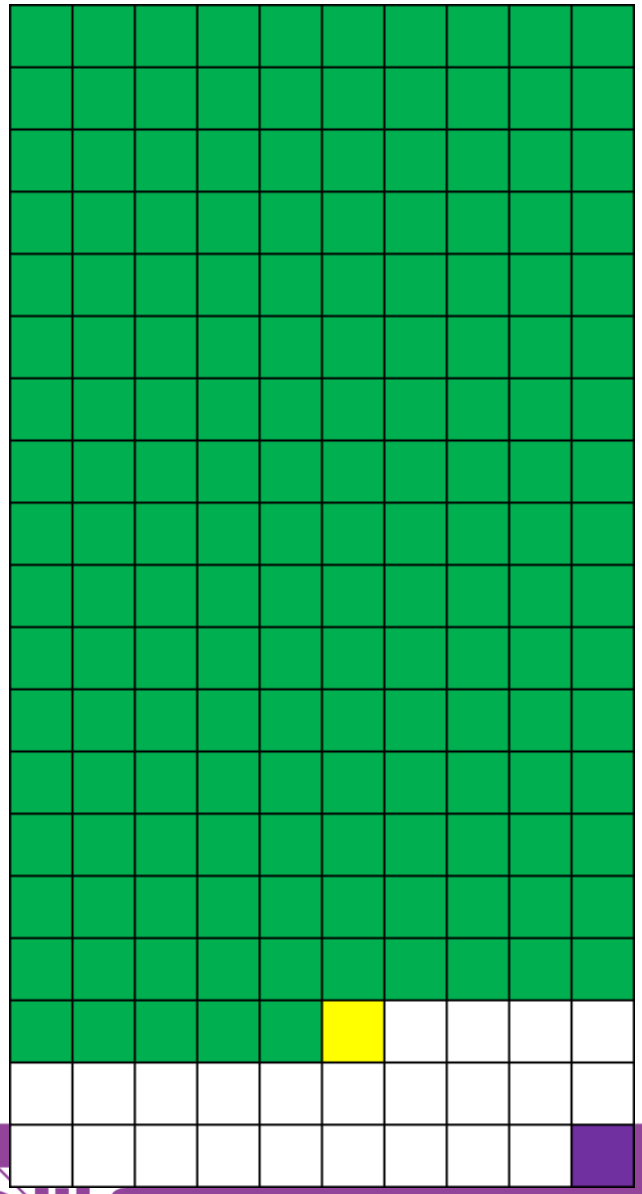

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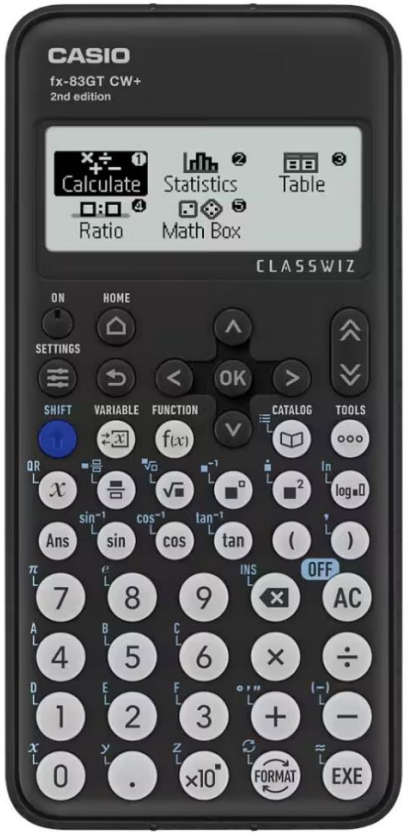
What the GCSE Maths exams consists of:

3 papers – **two** calculator and one non calculator each 1 hour and a half long

Grade is a combination of all three papers

Can test all content on all papers!



Casio FX-83GT CW Scientific Calculator

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Learning Journey

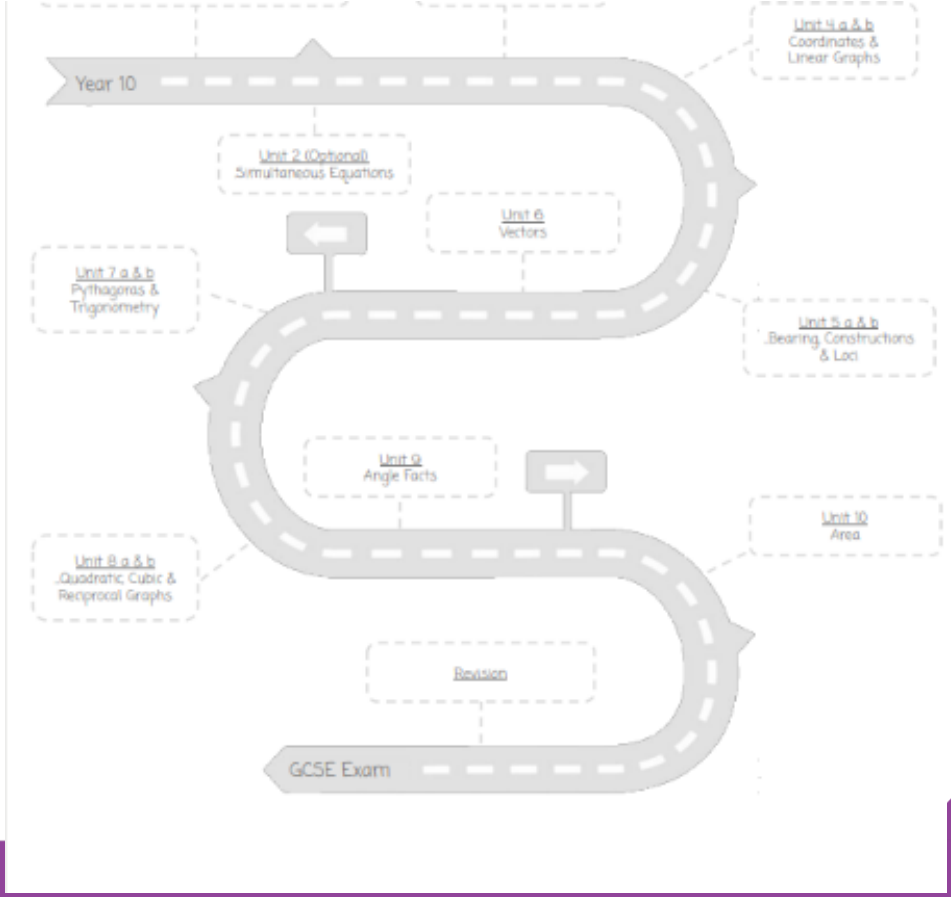
September Assessment

PPEs in October/November

Weekly exam Papers from January

PPEs in February/March

GCSEs in May/June



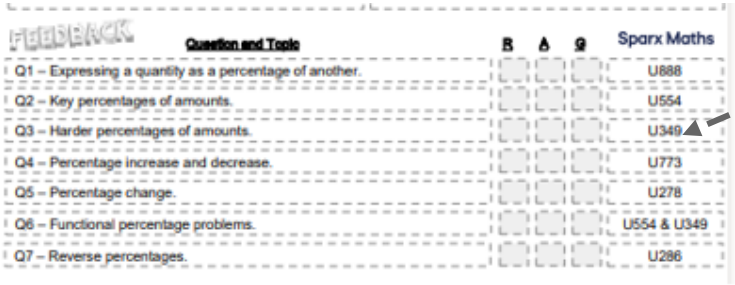
We will complete the maths course before Christmas gap filling and learn exam techniques

Useful ways to revise

Practise questions, don't just read notes or watch videos. You only get good at maths by doing maths.

NO working + wrong answer = NO marks
Correct working + wrong answer = SOME marks

Using Sparxs will be helping with showing your working and writing down your working it is really important that you show the steps you have used to answer the questions



FEEDBACK Question and Topic	R	A	G	Sparx Maths
Q1 – Expressing a quantity as a percentage of another.				U888
Q2 – Key percentages of amounts.				U554
Q3 – Harder percentages of amounts.				U349
Q4 – Percentage increase and decrease.				U773
Q5 – Percentage change.				U278
Q6 – Functional percentage problems.				U554 & U349
Q7 – Reverse percentages.				U286

Each unit will finish with the unit assessment use it to identify the topics you need to revisit, this can be done using Sparx maths as the numbers are identified for you or any of the suggestions on the next slides

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Useful Websites

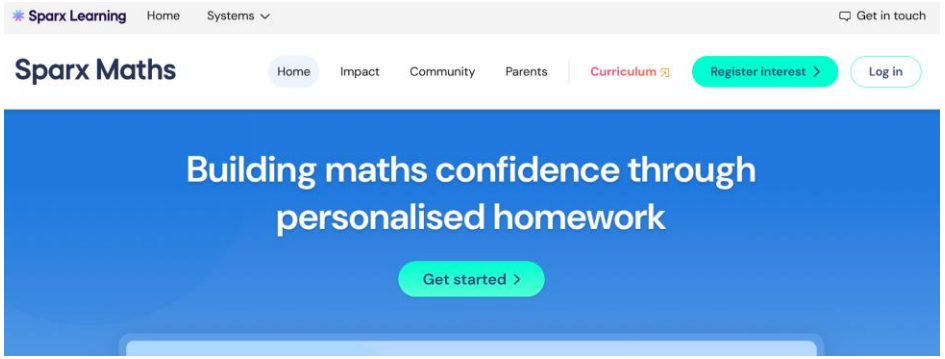
- SPARX
- On Maths
- Corbett Maths
- Maths Genie
- 1st Class Maths

SPARX Maths

Website Link - [Sparx Maths - Home]

Useful for;

- Personalised revision built from students strengths and weaknesses
- Full list of topics for revision with supporting videos for all
- Can be used with question level analysis for a deeper dive into students needs
- Quick and easy to use, students will be used to the interface

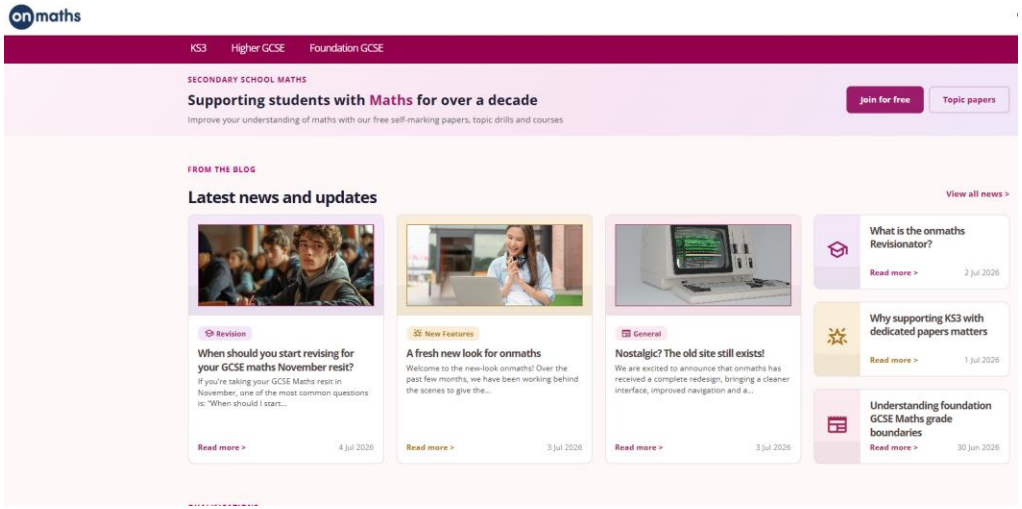


On Maths

Website Link - [onmaths | Maths revision and support]

Useful for;

- Online access to all papers with instant feedback, live marking and a generated grade
- Topic booklets to fill out online with live marking and feedback
- Access to predicted papers on the run up to exams



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Corbett Maths

Website Link - [Corbettmaths – Videos, worksheets, 5-a-day and much more]

Useful for;

- Quick daily revision from 5 a day
- Full list of topics for revision with supporting videos for all
- Each topic has a full set of practice questions and textbook exercises with answers
- **Also be used for Further Maths content and revision**

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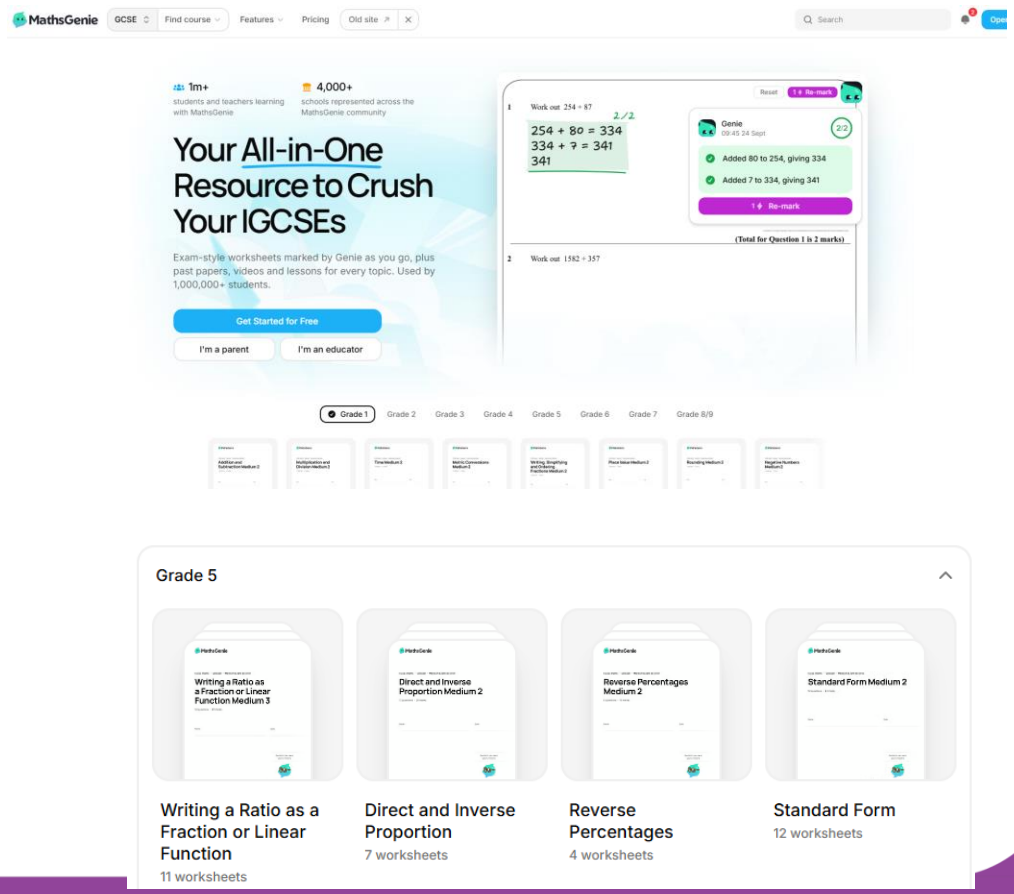
Maths Genie

Website Link – [MathsGenie - Free Online GCSE and A Level Maths Revision]

Useful for;

- More detailed specific topic revision
- Full list of topics for revision with supporting videos for all, broken down into grades
- Questions are written more like exam questions
- Access to past papers that have been released

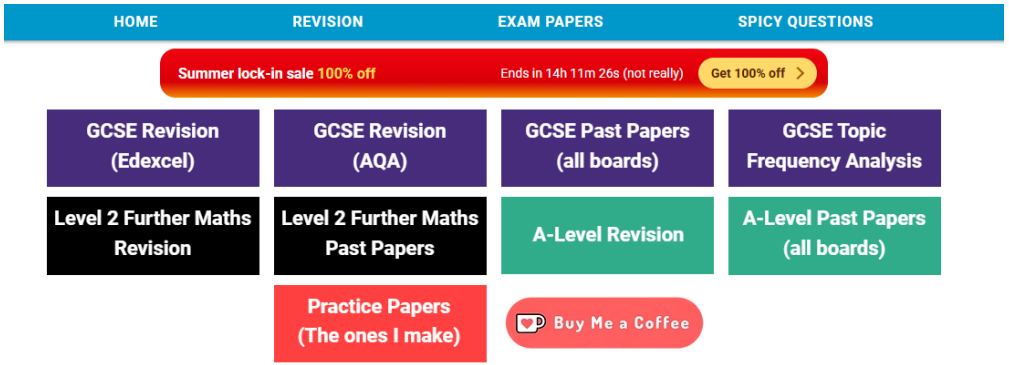


1st Class Maths

Website Link –

Useful for;

- GCSE and further maths content
- Full list of topics for revision with supporting videos for all, broken down into grades
- Access to past papers that have been released
- Includes *key topic* lists for upcoming exams
- **Shows the percentage of time a certain topic has been asked on specific papers to help prioritise revision**



Topic	Grade	Edexcel Higher	AQA Higher	Edexcel Foundation	AQA Foundation
Area of Sectors	5+	81%	63%	31%	31%
Quadratic Sequences	5+	56%	6%	25%	19%
Solve Quadratic Equation	5+	63%	88%	31%	25%
Missing Values in Identities	5+	0%	50%	0%	13%
Percentage Change (Or Profit)	5+	44%	31%	63%	50%
Compound Interest	5+	94%	88%	69%	44%
Solve Quadratic Equation by Factorising	5+	63%	88%	31%	25%
Form and Solve Equation	5+	81%	69%	88%	81%
Linear Simultaneous Equations	5+	56%	75%	44%	25%

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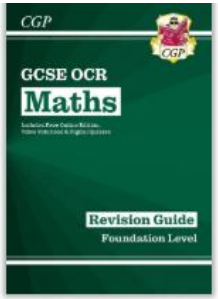
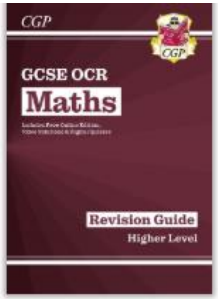
Revision Guides



Quick View

GCSE Maths OCR Revision Guide: Foundation inc Online Edition, Videos & Quizzes

MCFR48
In stock



Quick View

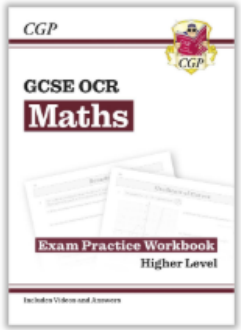
GCSE Maths OCR Revision Guide: Higher inc Online Edition, Videos & Quizzes

MCHR47
In stock

Quick View

GCSE Maths OCR Exam Practice Workbook: Foundation - includes V Solutions and Answers

MCFQ43



Quick View

GCSE Maths OCR Exam Practice Workbook: Higher - includes Video Solutions and Answers

MCHQ43

Available to purchase on MCAS

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Revision Lists

www.corbettmaths.com/contents

GCSE Higher Tier OCR Checklist

Adding Fractions - Video 133
Multiplying Fractions - Video 142
Dividing Fractions - Video 134
Reciprocal - Video 145
Decimals - Video 90, 91, 92, 93, 94
Use of a Calculator - Video 352
Estimation - Video 215
Best Buys - Video 210
Currency - Video 214a
Conversion Graphs - Video 151, 152
LCM/HCF - Videos 218, 219
Product of Primes - Videos 223, 224
Indices - Videos 172, 174
Indices (fractional/negative) - Videos 173, 175
Standard Form - Videos 300, 301, 302, 303
Percentages of Amounts - Videos 234, 235, 238
Percentage change - Video 233
Simple Interest - Video 236a
Compound Interest - Video 236
Reverse Percentages - Video 240
Recurring Decimals to Fractions - Video 96
Ratio - Videos 270, 271, 271a, 271b, 271c
Direct Proportion - Video 254
Inverse Proportion - Video 255
Proportional Graphs - Video 255b
Proportion (application) - Video 255c
Limits of Accuracy - Videos 183, 184
Surds - Videos 305, 306, 307, 308
Product Rule for Counting - Video 383
Error Intervals - Video 377, 280
Collecting Like Terms - Video 9
Expanding Brackets - Videos 13, 14, 15
Factorising - Video 117
Factorising Quadratics - Videos 118, 119, 120, 119a
Algebraic Fractions - Videos 21, 22, 23, 24
Sequences (nth term) - Videos 288, 289
nth term (quadratics) - Video 388
Substitution - Video 20
Equations - Videos 110, 113, 114, 115
Changing the Subject - Videos 7, 8
Inequalities - Videos 177, 178, 179
Inequalities (Regions) - Video 182
Quadratic Inequalities - Video 378
Linear Graphs - Videos 191, 186, 189, 194
Midpoint of a Line - Video 198
Distance between 2 points - Video 185
Real-life Linear Graphs - Video 171a
Parallel or Perpendicular Lines - Videos 196, 197
Simultaneous Equations - Video 295
Non-linear Simultaneous Equations - Video 298
Graphical Simultaneous Equations - Video 297

Angles in Parallel Lines - Video 25, 39
Bearings - Video 26, 27
Angles in Polygons - Video 32
Constructions - Video 78, 72, 79, 80, 70
Loci - Videos 75, 76, 77
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Area of a Trapezium - Video 48
Circumference - Video 60
Area of a Circle - Video 40
Arc Length - Video 58
Area of a Sector - Video 48
Volume of a Cylinder - Video 357
Pythagoras - Video 257, 259
Trigonometry - Videos 329, 330, 331
3D Trig and Pythagoras - Videos 259, 332
Exact Trig Values - Video 341
Volume of a Prism - Video 356
Volume of Cone/Pyramid/Sphere - Videos 359-361
Volume of a Frustum - Video 360a
Surface Area of a Prism - Video 311
Surface Area of Cone/Sphere - Videos 314, 313
Metric Units (area/volume) - Videos 350, 351
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Reflections - Video 272
Rotations - Video 275
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Similar Shapes - Videos 292, 293a, 293b
Circle Theorems - Videos 64, 65
Sine Rule - Video 333
Cosine Rule - Videos 335, 336
1/2abSinC - Video 337
Vectors - Video 353
Column Vectors - Video 353a
Travel Graphs - Video 171
Speed, Distance, Time - Video 299
Density - Video 384
Pressure - Video 385
Geometric Proof - Video 366
Congruent Triangles - Video 67
Invariant Points - Video 392

Frequency Trees - Video 376
Two-way Tables - Video 319
Pie Charts - Videos 163, 164
Scatter Graphs - Videos 165, 166
Histograms - Video 157, 158, 159
Cumulative Frequency - Videos 153, 154
Box Plots - Video 149
Independent Events - Video 249
Estimated Mean - Video 55
Combined Mean - Video 53a
Median (frequency table) - Videos 51, 52
Modal class (frequency table) - Video 56a
Probability - Video 250
Relative frequency - Video 248
Samples - Video 281a
Tree Diagrams - Video 252
Conditional Probability - Video 247
Venn Diagrams - Video 380

Equation of a Circle - Video 12
Equation of a tangent - Video 372
Instantaneous rates of change - Video 390a
Average rates of change - Video 390b
Area under a curve - Video 389
Composite Functions - Video 370
Inverse Functions - Video 369
Quadratic Graphs - Video 264
Solving Quadratics Graphically - Videos 367c, 367d
Sketching Quadratics - Video 265
Trigonometric Graphs - Videos 338, 339
Cubic Graphs - Video 344
Reciprocal Graphs - Video 346
Exponential Graphs - Video 345
Geometric Sequences - Video 375
Algebraic Proof - Video 365
Quadratic Formula - Video 267
Completing the Square - Video 10, 371
Transformations of Graphs - Video 323, 324
Identities - Video 16a
Iteration - Video 373, 373a, 373b

www.corbettmaths.com/contents

GCSE Foundation Tier OCR Checklist

Angle Facts - Video 35, 30, 34, 39
Types of Angle - Video 38
Angles in Parallel Lines - Video 25
Angles in a Triangle - Video 37
Angles in a Quadrilateral - Video 33
Angles in Polygons - Video 32
Bearings - Videos 26, 27
Scales & Maps - Video 283
Perimeter - Video 241
Area of Rectangles/Triangles - Videos 45, 49
Area of a Trapezium - Video 48
Units - Videos 347, 349
Sensible Estimates - Video 285
Line Symmetry - Video 316
Rotational Symmetry - Video 317
Constructions - Videos 72, 78, 83
Loci - Videos 75, 76, 77
Faces, Edges, Vertices - Videos 5, 3
Nets - Video 4
Views and Elevations - Video 354
Time Calculations - Video 322
Timetables - Video 320
Distance Charts - Video 318
Speed, Distance, Time - Video 299
Travel Graphs - Video 171
Density - Video 384
Pressure - Video 385
Translations - Video 325, 326
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Enlargements - Videos 104, 105, 107
Parts of the Circle - Video 61
Circumference - Video 60 , 243
Area of a Circle - Video 59 , 47
Arc Length - Video 58
Area of a Sector - Video 46
Volume of a Cylinder - Video 357
Pythagoras - Video 257
Trigonometry - Videos 329, 330, 331
Exact Trig Values - Video 341
Similar Shapes (sides) - Video 292
Congruent Triangles - Video 67
Volume of a Cuboid/Prism - Video 355, 356
Volume of a Sphere/Cone - Videos 359, 361
Surface Area - Video 310
Surface area of Sphere/Cone - Videos 313, 314
Vectors - Video 353a, 353

Multiplication - Video 199, 200
Division - Video 98
Addition - Video 6
Subtraction - Video 304
Rounding - Video 276, 277a, 277b, 278, 280
Estimation - Video 215
Order of Operations - Video 211
Ordering Decimals - Video 95
Arithmetic with Decimals - Videos 90, 91, 92, 93, 94
Multiples and Factors - Videos 220, 216
Prime Numbers - Video 225
Square Numbers and Square Roots - Videos 226, 228
Cube Numbers and Cube Roots - Videos 212, 214
Product of Primes - Video 223
LCM/HCF - Videos 218, 219, 224
Indices - Videos 172, 174
Negative Indices - Video 175
Standard Form - Video 300, 302, 303
Fractions of Amounts - Video 137
Adding Fractions - Video 133
Multiplying Fractions - Video 142
Dividing Fractions - Video 134
Reciprocals - Video 145
Fractions, Decimals, Percentages - Videos 121 to 129
Expressing as Fraction or % - Videos 136, 237
Percentages of Amounts - Videos 234, 235, 238
Percentage Change - Video 233
Simple Interest - Video 236a
Compound Interest - Video 236
Reverse Percentages - Video 240
Ratio - Videos 269, 270, 271
Currency - Video 214a
Recipes - Video 256
Negative Numbers - Videos 205-209
Place Value - Video 222 , 222a
Error Intervals - Video 377
Money - Video 400
Best Buys - Video 210
Proportion - Videos 255a, 254
Use of a Calculator - Video 352

Tally Charts - Video 321
Frequency Trees - Video 376
Two-way Tables - Video 319
Pictograms - Videos 161, 162
Bar Charts - Videos 147, 148
Line Graphs - Video 160
Pie Charts - Video 163, 164
Probability - Videos 245, 246, 248
Relative Frequency - Video 248
Listing Outcomes - Video 253
Scatter Graphs - Videos 165 to 168
Averages & Range - Videos 56, 50, 53, 57
Mode: Frequency Table - Video 56a
Median: Frequency Table - Video 51
Combined Mean - Video 53a
Estimated Mean - Video 55
Venn Diagrams - Video 380
Tree Diagrams - Video 252
Reading Tables - Video 387
Samples - Video 281a
Coordinates - Video 84
Function Machine - Video 386
Writing Expressions - Video 16
Collecting Like Terms - Video 9
Multiplying & Dividing Terms - Videos 18, 11
Laws of Indices - Video 174
Sequences - Videos 286, 287, 290, 287a
Geometric Progressions - Video 375
The nth Term - Video 288
Expanding Brackets - Videos 13, 14
Factorising - Video 117
Factorising Quadratics - Videos 118, 120
Solving Equations - Video 110, 113, 266
Forming Equations - Videos 114, 115
Inequalities - Videos 177, 178, 179
Conversion Graphs - Video 151
Drawing Linear Graphs - Video 186
y = mx + c - Video 191
Gradient - Video 189
Real Life Graphs - Video 171a
Parallel graphs - Video 196
Substitution - Video 20
Changing the Subject - Video 7
Simultaneous Equations - Videos 295, 297
Quadratic Graphs - Video 264
Cubic Graphs - Video 344
Reciprocal Graphs - Video 346

What can your child do to help themselves?

- Apply themselves in all lessons
- Strive to succeed – in lessons and exams
- Seek support
- Embrace the support offered
- Be aware of areas of weakness and work on these
- Write legibly
- Practise maths
- Use revision materials – revision guides, revision lists, revision websites
- Have the correct equipment
- Complete their homework
- PO Thursday ME1

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What can you do to support your child?

- Be aware of what they have been asked to do
- Be understanding that they may be struggling or stressed
- Know which websites and resources you can provide to support
- Be confident to ask questions
- Encourage your child to be **resilient**

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How To Help Your Child Succeed Evening

Science

Curriculum Team Leader: Mrs Field
Lead Teacher – Science: Mrs Horner
Deputy Curriculum Team Leader: Mr Pennington

GCSE AQA Combined Science or Separate Sciences

Combined Science is the course the majority of students study.

- Students study all three sciences and are awarded a combined 2 GCSE grade.
- Students can enter for either foundation or higher across the qualification

Separate Science is studying each of the sciences as distinct subjects.

- Students can enter for foundation or higher for each qualification

Biology

1. Cell biology (page 20)
2. Organisation (page 26)
3. Infection and response (pag 34)
4. Bioenergetics (page 39)

age 42)
6. Inheritance, variation and evolution (page 49)
7. Ecology (page 59)

Chemistry

8. Atomic structure and the periodic table (page 67)
9. Bonding, structure, and the properties of matter (page 75)
10. Quantitative chemistry (page 84)
11. Chemical changes (page 88)
12. Energy changes (page 95)

14. Organic chemistry (page 104)
15. Chemical analysis (page 107)
16. Chemistry of the atmosphere (page 110)
17. Using resources (page 115)

Physics

18. Energy (page 121)
19. Electricity (page 127)
20. Particle model of matter (page 135)
21. Atomic structure (page 138)

23. Waves (page 155)
24. Magnetism and electromagnetism (page 159)

All students study these units regardless of their course.

Separate Science students study some unit content to a greater depth and learn about Space.

PPEs in October and November are paper 1 again.

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Progress from PPE1 (year 10) to final grade:

Combined science:

33-76

43-55

44-66

43-65

54-76

44-66

44-76

55-87

U-76

Biology:

4-9
4-7
5-9
4-7
4-7

Chemistry

4-8
5-9
6-9
6-9

Physics:

4-6
6-8
6-8
6-8
7-9
6-9
4-6
5-8
6-9

Equation sheets

AQA

Physics Equations Sheet

GCSE Combined Science: Trilogy (8464) and GCSE Combined Science: Synergy (8465)

FOR USE IN JUNE 2025 ONLY

HT = Higher Tier only equations

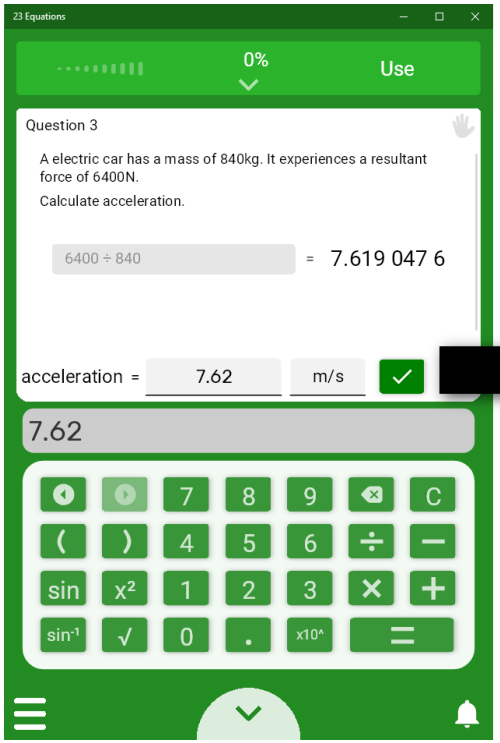
kinetic energy = 0.5 × mass × (speed)^2	$E_k = \frac{1}{2} m v^2$
elastic potential energy = 0.5 × spring constant × (extension)^2	$E_e = \frac{1}{2} k e^2$
gravitational potential energy = mass × gravitational field strength × height	$E_p = m g h$
change in thermal energy = mass × specific heat capacity × temperature change	$\Delta E = m c \Delta\theta$
power = $\frac{\text{energy transferred}}{\text{time}}$	$P = \frac{E}{t}$
power = $\frac{\text{work done}}{\text{time}}$	$P = \frac{W}{t}$
efficiency = $\frac{\text{useful output energy transfer}}{\text{total input energy transfer}}$	
efficiency = $\frac{\text{useful power output}}{\text{total power input}}$	

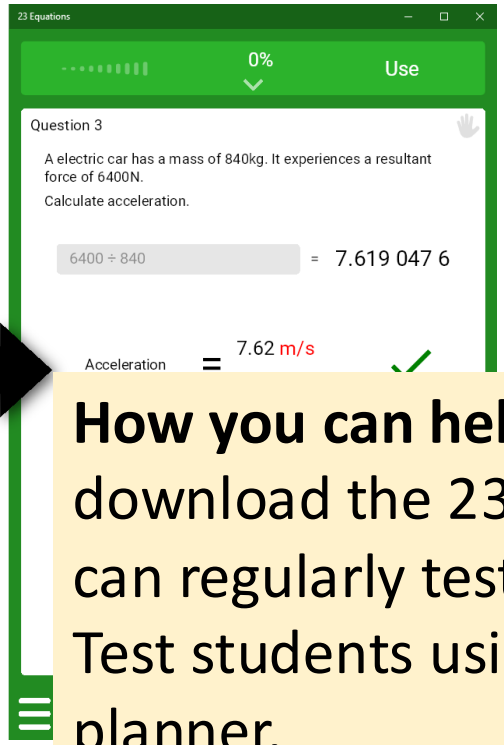
Students will be given the equation sheet in their final GCSE exams and in all PPEs.

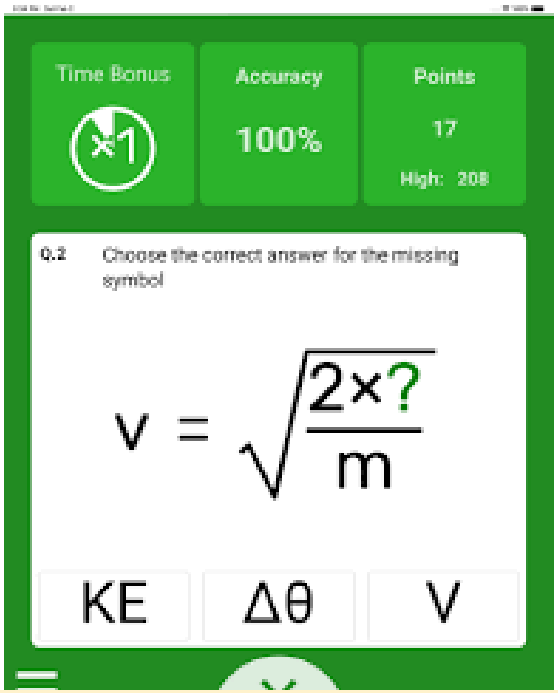
How we are helping your child to succeed - period 7 equation practice, multistep calculation practice (higher tier), regular use of equations in lessons using **CUFIFA** to help students to structure their answers and pick up marks.

How you can help – remind students that this sheet is in their planners to use for homework question or when completing past papers for revision. The more they use it the better!

Equations







How you can help – encourage students to download the 23 equations app so that they can regularly test themselves.

Test students using the equations in the planner.

Encourage students to practice rearranging the equations.

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More regular knowledge recall....

From Last Lesson

Explain how a **catalyst** increases rate of reaction

A Gap in Our Learning

Chemistry paper 1
The temperature of reaction increases. Is the reaction **endothermic** or **exothermic**? Draw a **reaction profile** to represent the reaction.

Sequence of learning – Subject:

Key Skills

Calculate the **uncertainty** in this set of repeat readings
5,6,7,8

How we are helping your child to succeed - Revision as part of starter activities

How you can help – encourage revision, in particular interleaving of topics, so that students are able to make links between them, this mimics how exam questions will be asked

More regular knowledge recall....

State the store of energy when an object is placed above the ground	Gravitational potential energy
State the store of energy when an object is moving	Kinetic energy
State the store of energy found in a battery, fuel, food, muscles	Chemical energy
State the energy stored in a stretched spring	Elastic potential energy
State the unit of energy	J joules
State the four energy pathways	Mechanical, thermal, electrical, radiation
State the name of two renewable energy resources	Wind, solar, geothermal, hydroelectric, tidal, wave
State the name of two non-renewable energy resources	Coal, gas, oil, nuclear
State the conservation of energy law	
State the definition of power	

Topic top ten quizzes – designed to practice recall of the fundamentals of the topic.
Regularly tested throughout the topic.

How you can help – encourage revision, quiz your child to help them memorise the facts, ask about the scores achieved

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More regular knowledge recall....

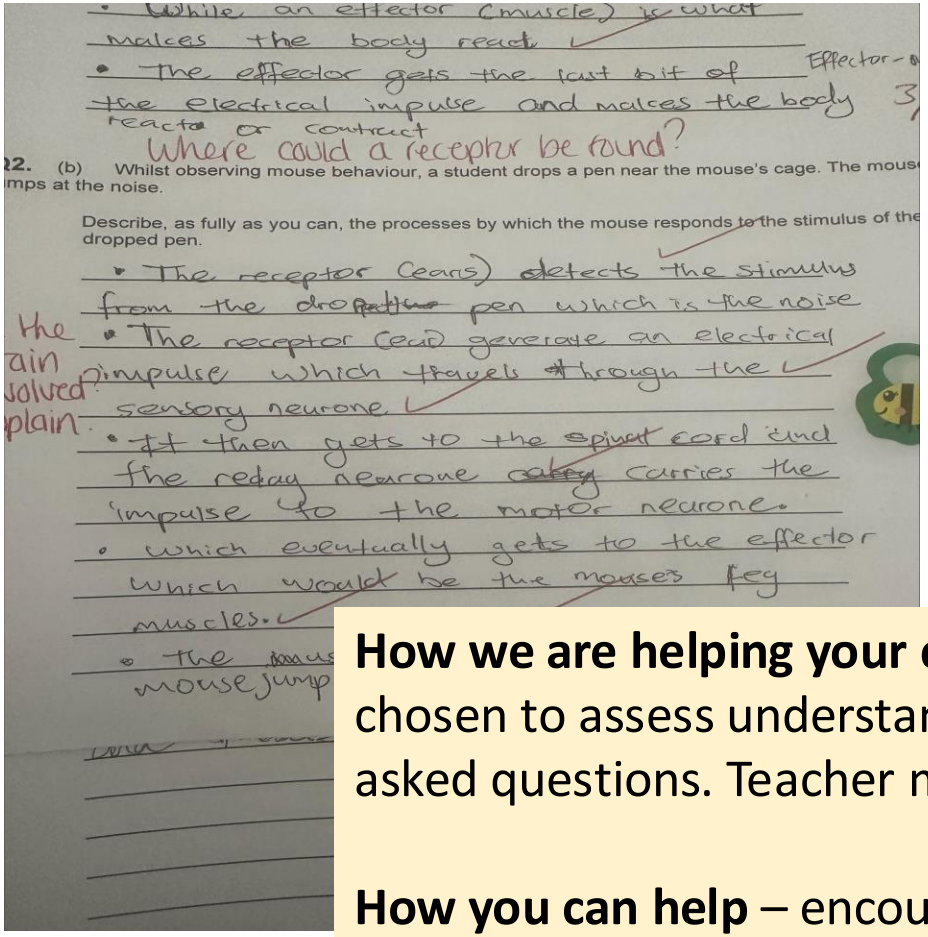
Once teaching of new content has been completed

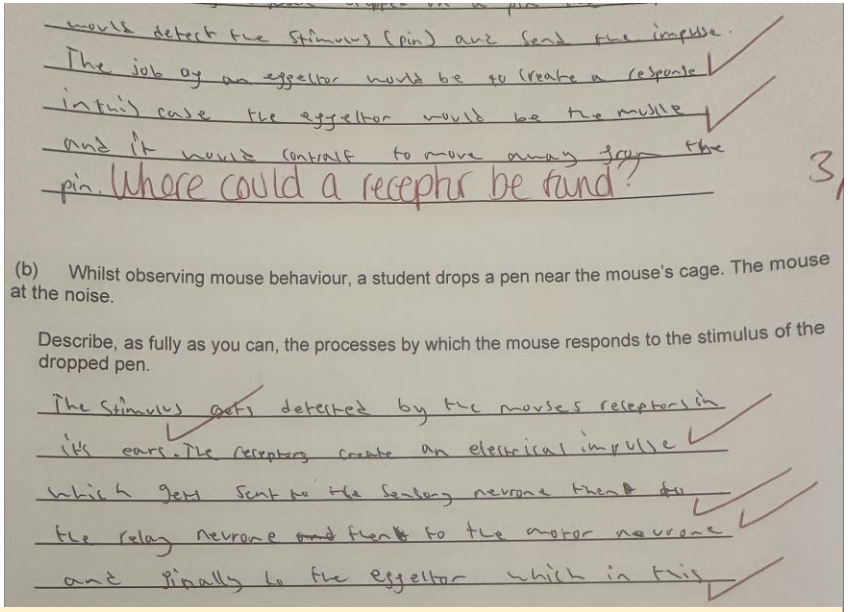
Fortnightly recall / PPQ practice test

Students will be informed of what is on the test the week before
Focusing revision of key content

How you can help – encourage revision, check in with the dates of the test and the scores achieved, encourage Educake practice, help to embed knowledge (regular quizzing using flashcards)

More regular marking to check for understanding....





How we are helping your child to succeed – past paper questions chosen to assess understanding and exam technique of commonly asked questions. Teacher marked with feedback provided.

How you can help – encourage students to use these questions and their feedback to inform next steps in their revision. Use the information to create mind maps / flashcards.

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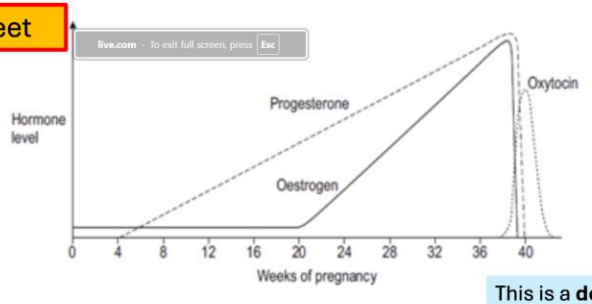
Conclusions - you do on sheet

(i) Describe the patterns in the levels of oestrogen and progesterone from 0 to 36 weeks.



(c) (i) any **four** from:

- progesterone starts being produced at 4 weeks / no progesterone before 4 weeks
- and then / from 4 weeks increases
- oestrogen at constant / low level (from 0) to 20 weeks
- and then / from 20 weeks increases
- from 20 – 36 weeks level of O rises more steeply than that of P

or

- P is always higher than 0 from 6 to 36 weeks

*if no other marks awarded, allow progesterone and oestrogen both increase / rise for **1** mark.*

(4)

This is a **describe** question.

You are simply **describing** what the data shows, you are not explaining why.

Period 7

- We have focussed on two of the required practicals during period 7 this half term e.g. method writing, analysing data, plotting graphs
- **How you can help** – focussing on the skills in period 7 and at appropriate points in teaching mean that revision at home can be spent on knowledge recall and understanding of content.

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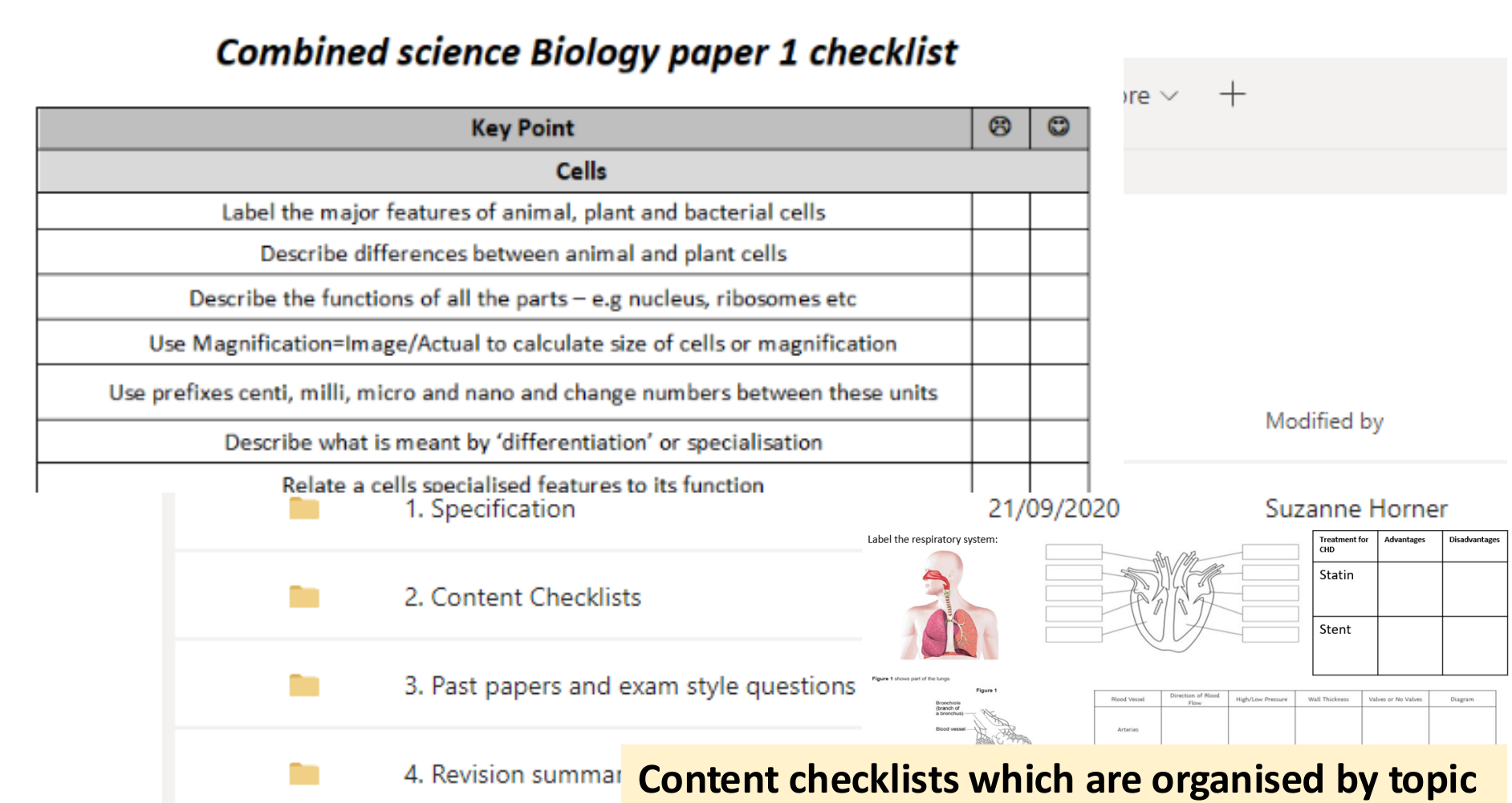
Combined science Biology paper 1 checklist

Key Point	😟	😎
Cells		
Label the major features of animal, plant and bacterial cells		
Describe differences between animal and plant cells		
Describe the functions of all the parts – e.g nucleus, ribosomes etc		
Use Magnification=Image/Actual to calculate size of cells or magnification		
Use prefixes centi, milli, micro and nano and change numbers between these units		
Describe what is meant by 'differentiation' or specialisation		
Relate a cells specialised features to its function		



The **Resources – Year 11 tab** in Class Teams has useful content to help prepare for exams

Content checklists which are organised by topic per paper

How you can help – check in to make sure all content is being covered during revision, encourage revision and provide support for topics that are found difficult

PPE Revision - Science

Hi Science 11X-Sc2 2025 HA

Your science PPEs are paper 1 again. The topics are listed below along with a link to BBC bitesize and free science lessons videos for you to use for your revision:

Biology:
Cell biology Cell biology - GCSE Combined Science - BBC Bitesize
Organisation Organisation - GCSE Combined Science - BBC Bitesize
Infection and response Infection and response - GCSE Combined Science - BBC Bitesize
Bioenergetics Bioenergetics - GCSE Combined Science - BBC Bitesize

Chemistry:
Atomic structure and the periodic table Atomic structure and the periodic table - GCSE Combined Science - BBC Bitesize
Structure and bonding Bonding, structure and the properties of matter - GCSE Combined Science - BBC Bitesize
Quantitative chemistry Quantitative chemistry - GCSE Combined Science - BBC Bitesize
Chemical changes Chemical changes - GCSE Combined Science - BBC Bitesize
Energy changes Energy changes - GCSE Combined Science - BBC Bitesize

Physics:
Energy Energy - GCSE Combined Science - BBC Bitesize
Electricity Electricity - GCSE Combined Science - BBC Bitesize
Particle model of matter Particle model of matter - GCSE Combined Science - BBC Bi
Atomic structure (physics) Atomic structure - GCSE Combined Science - BBC Bitesize

The free science lesson videos can be accessed here: Videos | freesciencelessons
Just make sure you select biology, chemistry or physics paper 1.

There are also past papers checklists and required practical sheets here: Resources Ye

You also have educake and can use the slides on there to help you.

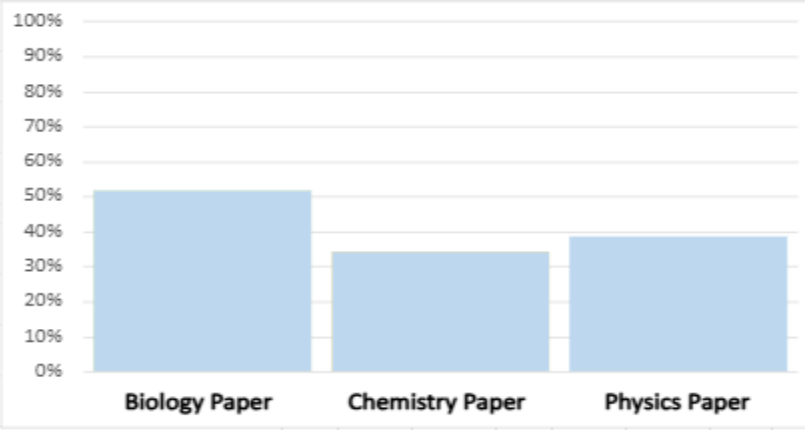
If you need any other help with your revision, please speak to your teachers!

Revision links on TEAMS.

How you can help – encourage students to use Teams as a starting point in revision. The links to BBC bitesize and free science lessons videos have all the content they need alongside, animations, podcasts, notes and required practical videos for students to use to support their revision at home.

Combined, Paper 1 Feedback

Name	Paper	Class	Overall Score	Overall %	Overall Grade
[redacted]	H	10X/Sc2	87 / 210	41%	65



Paper	Score	Percentage	Grade
Biology Paper	36 / 70	51%	6
Chemistry Paper	24 / 70	34%	5
Physics Paper	27 / 70	39%	5

Combined Higher Grade Boundaries							
4-3	43	5-5	70	7-6	103	8-8	132
4-4	48	6-5	81	7-7	114	9-8	141
5-4	59	6-6	92	8-7	123	9-9	150

Biology Paper	Score	%	RAG	Sparx Tasks
Q1 The heart	7 / 10	70%		
Q2 Vaccines	5 / 12	42%		R938, R781
Q3 Photosynthesis RP	4 / 9	44%		R248
Q4 Osmosis RP	3 / 10	30%		R110
Q5 Plants	9 / 10	90%		
Q6 Part 1 Microscopes	6 / 13	46%		R878, R132
Q6 Part 2 Stem cell evaluation	2 / 6	33%		R478

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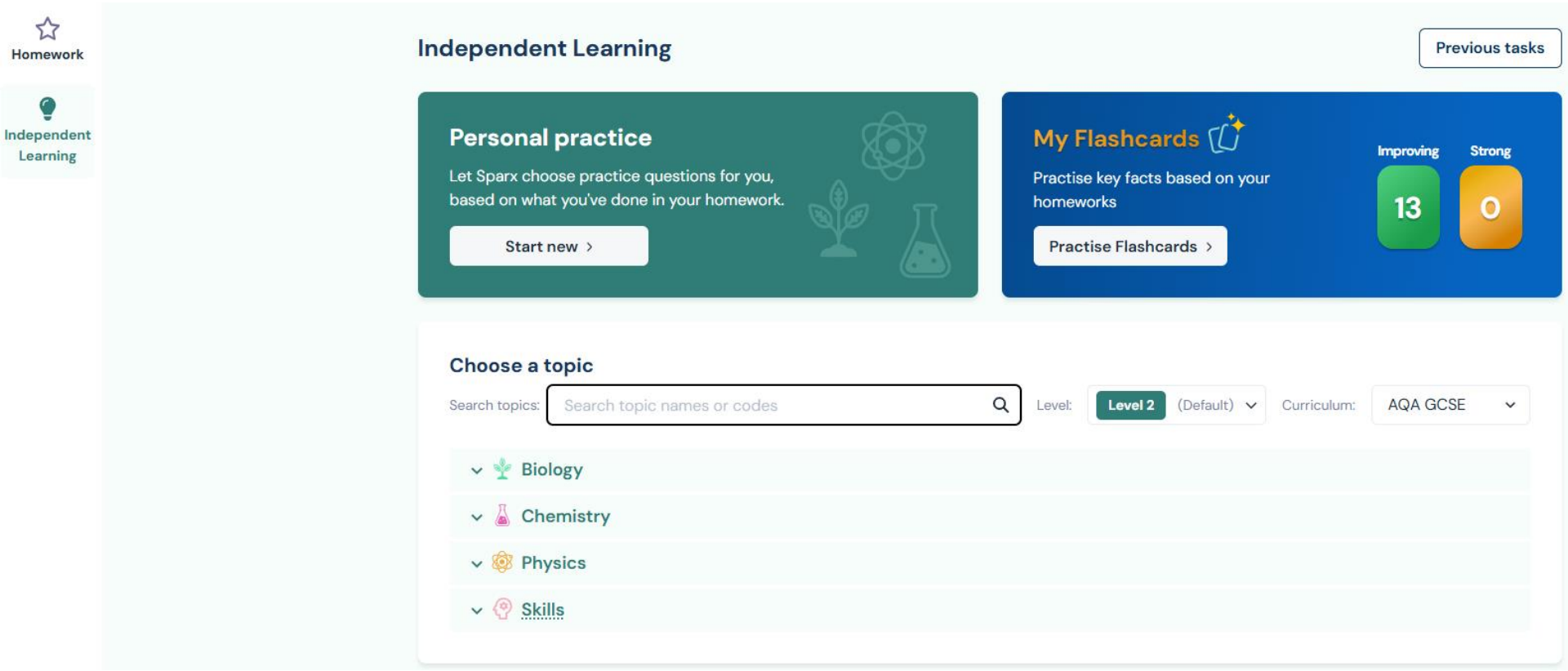

Independent Learning on Sparx.

How you can help – encourage students to use their feedback sheets to select areas of weakness that they can work on using Sparx.

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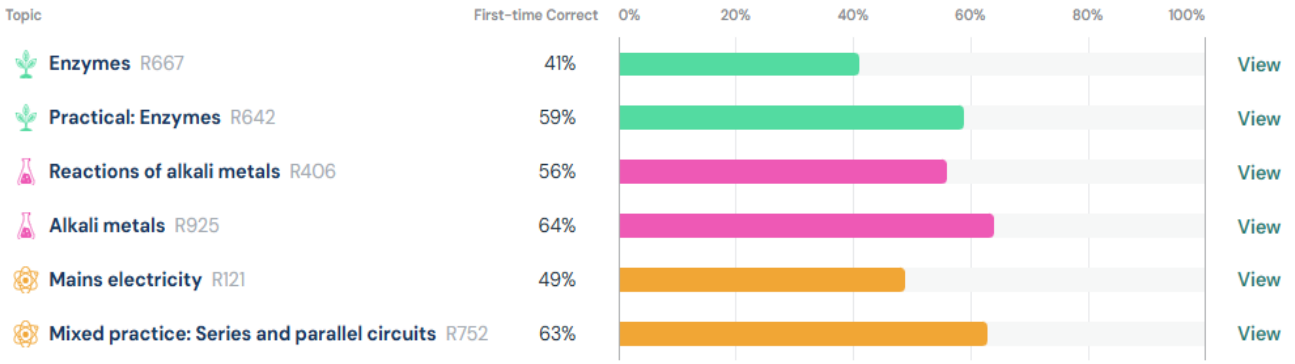

Key Flashcards

Print | Present questions

Core factual knowledge that students struggled with in this homework.

Enzymes — 12/15 students struggled

The active site of an enzyme is the site where the substrate (reactants) bind during a reaction.

Mains electricity — 10/14 students struggled

Mains electricity is an AC supply.

Mains electricity — 10/14 students struggled

Mains electricity has a potential difference of about 230 V.

Alkali metals — 9/16 students struggled

The elements in Group 7 of the periodic table are known as the halogens.

Homework on Sparx.

How you can help – homework is set weekly for year 11. Please encourage students to compete this so that we get an insight into their areas of strength and weaknesses both as a class and as individuals.

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True or False GCSE Science

TorF: GCSE Science edition

Eleplanck Studios Education ★★★★½ 28

PEGI 3

Contains Ads

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23 Equations 4+

Learn GCSE Physics equations

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aqa gcse science required practicals

GCSE Science Required Practicals

Malmesbury Education

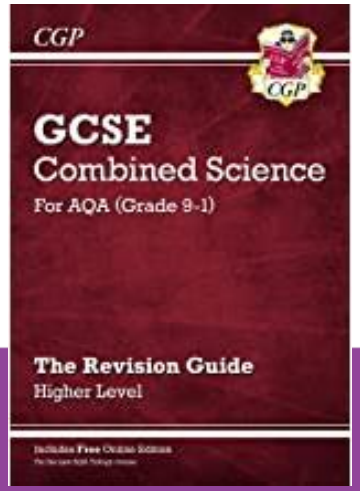
Making Salts - GCSE Science Required Practical • 5:36

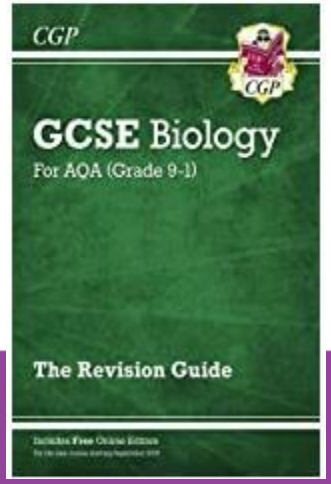
Osmosis - GCSE Science Required Practical • 12:14

VIEW FULL PLAYLIST

GCSESCIENCEREVISION.com

How you can help – if students are struggling with revision, remind them of the online resources.





We have **revision guides** for sale on the school website for both combined science and the separate science courses. Please make sure that you purchase the correct guide.

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The Science team are here to help.

It is important that students are confident that they understand the knowledge and skills required for each exam.

Any questions, please contact their Science teachers.