



DARWEN VALE

An Aldridge Community Academy 

Year 10 Progress Information Evening Thursday 17th October

Ruth Cull

Vice Principal (Quality of Education)

#WeAimHigh

#WeWorkHard

#WeCare

#WeAreVale



Aims

- To understand the current performance of your child in all of their subject areas
- To identify what you can do to aid your child to make the best progress towards their GCSE's
- To communicate what will happen during Key Stage 4



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Why are you here?

Parental Support is **eight times** more effective in determining a child's academic success.

What is our vision?

Students at Darwen Vale High School will achieve academically
beyond personal expectations
and prior attainment.

They will experience an outstanding and enjoyable education.



Step 1: Checking on your child's progress



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Year 10 – Report 1



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Tutor Group

Attendance %
100.00

Positive points:
278

Negative points:
0

Number of Late Marks:
0

Average Attitude to Learning
5.00



Subject	Teacher	Attitude to Learning	Homework	Punctuality
Art	Miss J Gardner	5	5	5
Biology	Mr T Holding	5	5	5
Chemistry	Mrs S Marsland	5	5	5
English Language/Literature	Mr S Bellusci	5	5	5
History	Mr F Redfern	5	5	5
Mathematics	Mr A Fitch	5	5	5
Physics	Mr J Tattersall	5	5	5
Vale Values	Miss Hilton	5	N/A	5

- 27th January– Report 1
- 11th July - Report 2
- Parents Evening – 24th April

Step 2: Engaging in The Vale offer



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- Revision materials
- Use of online resources – Century, Mathswatch, Seneca
- Academic mentors in the core subjects – providing one to one tuition
- Period 6 – extra 2.5 hours a week
- Saturday Schools
- Holiday school
- Core PE intervention
- Revision residentials
- Rewards





Period 6

3:00pm till 3:45pm

Every Monday – Option C

Every Tuesday – Option A

Every Thursday – Option B

Core PE intervention

- English Intervention – Wednesday Period 2 and 3
- Science and Maths Intervention – starting in January

Friday 3pm – Year 11/10 vs staff football, circuit training,
extra curricular clubs at lunchtime.



Virtual Aldridge



Virtual Aldridge is an online English and maths GCSE tutoring service run by Aldridge Education. The main aim of the programme is to provide students with the necessary tools to achieve the best possible grades in their GCSEs.

At Virtual Aldridge:

- Students will receive **weekly one-hour tutoring** sessions in English and/or Maths throughout the academic year
- Sessions are delivered **virtually** to **small groups** of three students
- Sessions take place outside of the school day, in the **evenings** and at **weekends**
- Sessions are taught by **expert subject specialist** Virtual Aldridge tutors who receive **high quality training** and development, including in safeguarding
- Tutors and schools communicate frequently about the learning progress of each student
- All Virtual Aldridge online tutoring sessions are **FREE** to students.
- Please contact: Leanne.Fitzsimmons@darwenvale.com

Visit www.darwenvale.com/va for more information

Step 3: Monitoring your child's attitude to learning



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Miss Kirsty Taylor
Data & Exams Manager
kirsty.taylor@darwenvale.com
01254 223000 ext 223



The **MCAS Dashboard** allows parents to view multiple **Student MCAS** accounts in one place. All **Students** linked to a parent account will appear in the dropdown in the **Dashboard** with **School** and **Student Name**. The dropdown allows parents to switch between **Student** accounts.

If you have a child at another school who use MyChildAtSchool you can link the accounts using 'Accounts'



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A screenshot of the MCAS Dashboard interface. The top left shows the logo for "THE BRITISH SCHOOL MARBELLA". The main header is "Dashboard Homepage and Launchpad". A user profile for "Rachel Addison" is shown with a dropdown menu open, listing "Helpwood Academy" and "The British School". Under "The British School", three student accounts are listed: "Rachel Addison" (selected with a checkmark), "Tom Addison", and "Rose Addison". The dashboard content is divided into three main sections: "Clubs & Trips" (green header) with "No Clubs data found"; "Homework" (red header) with "Does Rachel have homework?" and a "More" button, showing "No Homework data found"; and "Attendance" (green header) with "Is Rachel at school?" and a "More" button. On the right side, there are three notification cards: "The school will be close Portal on 21st January 2019", "School Open Helpdesk T April 2016", and "School Closure Helpdes 18th April 2016".

Classes

Class Name	Class Details	Attendance
8C2	Tutor Group Miss C Price cara.price@darwenvale.com	75%
8R/DI2	Design Tec Mr S Knowles SKnowles@darwenvale.com	0%
8R/En3	English Miss G Raseta georgina.raseta@darwenvale.com	50%
8R/Fr1	French Miss P Miller paige.miller@darwenvale.com	0%
8R/Ma4	Mathematics Mrs S Little sarah.little@darwenvale.com	50%
8R/Pa2	Perf. Arts Mr P Quigley philip.quigley@darwenvale.com	100%
8R/Pe1	P.E. Miss M Smith molly.smith@darwenvale.com	0%
8R/Sc4	Science Mr A McKay alex.mckay@darwenvale.com	0%
8R2/Ar	Art Mrs V Sterland vsterland@darwenvale.com	0%



Timetable

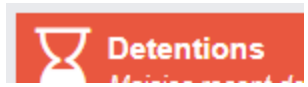
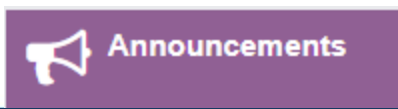
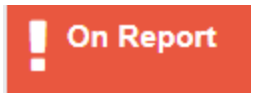
What is **today's** up to? More

	Subject	Class	Teacher	Time
	Tutor Group	8C2	Miss C Price	08:30
	French	8R/Fr1	Miss P Miller	09:15
2	English	8R/En3	Miss G Raseta	10:15
3	Mathematics	8R/Ma4	Mrs S Little	11:30
4	Computing	8R2/Cp	Mr N Miele	12:32
5	Science	8R/Sc4	Mr A McKay	14:02

Attendance

Is **today's** at school? More

Period	Subject	Mark
Tutor	Tutor Group	✓
1	French	✗
2	English	?
3	Mathematics	?
PM	Tutor Group	?
	Computing	?
	Science	?



Reports

How is **today's** performing? More

No Reports data found

Student Portal Overview

My Subjects

YOU ARE HERE: Home > My Subjects

Subject	Class	Teacher	Attendance(%)		
Bus. St.	11B/Bs1	Mr N Miele	0.00 %		
English	11C/En4	Mr A Venables	0.00 %	Class timetable	Teacher timetable

Behaviour

Subject: All Subjects

Behaviour Events

100.0%

Behaviour Event Summary

100.0%

Class	Subject	Teacher	Comment	Event	Outcome	Action	Action Date
10S2/Sc	Science	Mr J Tattersall		Attitude to Learning	N/A	N/A	07/09/2023
10C/En1	English	Miss D Hayes	Great start to English! Well done!	Attitude to Learning	N/A	N/A	07/09/2023
10A/Hi4	History	Mr D Smalley	Excellent start in GCSE History Keep it up	Attitude to Learning	N/A	N/A	07/09/2023

Assessment

Year Group: Year 9 - 22/23

Subject	Subject Teacher(s)	Attendance (%)	Positive Behaviour	Negative Behaviour
Computing	Miss J Mitchell	100.00	14	0
Creatives	Mr A Wilson Mr S Knowles Mrs M Walsh	98.67	18	0
English	Miss N Oldbury Miss G Gill-Ross Mrs J Keeler	100.00	53	0

Homework

YOU ARE HERE: Home > Homework

Subject: All Subjects Show Past Homework Show Hidden Homework (0) Search:

Due Date	Type	Title	Group	Subject	Teacher	Score	Status	Marked By	Submission Type	View / Submit	Hide
13/09/2023	Homework	Mark Making	10C/Ar1	Art	Mrs V Sterland	0.0	Not Due	N/A	Submit a file online		<input type="checkbox"/>
15/09/2023	Homework	Cell biology	10S2/Sc	Science	Mrs S Marsland	0.0	Not Due	N/A	Submit a file online		<input type="checkbox"/>
22/12/2023	Homework	Seneca Homework	10A/Hi4	History	Mr F Redfern	0.0	Not Due	N/A	No Submission Required		<input type="checkbox"/>

Step 4: Being prepared



**Mock
examinations
– 9 weeks**

Tips:

- ❖ Get a routine – and stick to it
- ❖ Limit time eaters
- ❖ Show an interest in their learning
- ❖ Ensure you eat breakfast every day
- ❖ Look for signs of lack of sleep
- ❖ Be a good role model
- ❖ Encourage reading



3Rs: Revision tips for parents

Resilience: Encourage them to deal with failures. 'You learn more from your failures more than your successes'.



Repetition is the key: Tom Cruise rehearses one scene 500 times.



Rule of five: repeat something five times and you are 85-90% more likely to recall it.

Step 5: Being informed

- Year 10 report 1
- Key Dates
- Revision guide order form

Careers advice and guidance

- 1-1 Careers Meetings with independent Careers Advisor HT1 of Yr11
- Mock interviews in Yr 11 to prepare for College interviews
- CV and Personal Statement Writing Support
- **Careers Fairs** (Yr 10 was at KGH in Sept) DVHS one in Feb 25
- Return to **week-long work experience** model July 25
- **College taster & experience days**
- **University visits** – Yr 10 went to Central Lancs, Yr 11 went to Oxford
- **Labour market information** during Vale Values and these earlier slides
- **D6** sample and taster sessions



What is D6?

D6 is your new collaborative
Darwen sixth form

Partnership between Aldridge
schools in Darwen – Vale, DACA,
Studio.

Idea is that we're creating a local
sixth form so you don't have to
travel to Blackburn or elsewhere
for your sixth form experience





The Access Project programme provides extra support to Year 10 and 11 students with **high aspirations** and students who may be thinking about attending university.

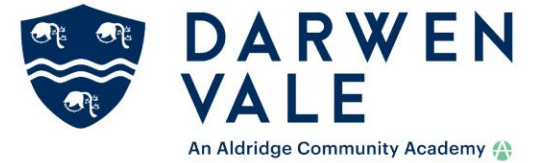
TAP supports students through a unique combination of **free online tuition**, once a week in a subject of their choice, and **in school mentoring** with our University Access Officer, Sam Parker.



Spaces in year 10 are now close to capacity but if students would like to put their name down, if any spaces are available, they will be contacted.

An Access Project student is twice as likely to go to a top university than another student with the same academic track record and background **x2**

Further information



- Ruth.Cull@darwenvale.com – Vice Principal, Leads on KS4 Outcomes
- Kerry.Boardman@darwenvale.com – Head of Year 10
- Angela.Margerison@darwenvale.com – Assistant Head of Year 10

www.darwenvale.com/year-10

Supporting your child in their **Reading**

Miss Raseta– Lead Practitioner of English/Reading Lead

Weak readers struggle more in maths than in English lit

Researchers say that “wordier” GCSE exam questions in subjects such as maths are problematic for “a significant minority of students with a low reading age”

Children who are weak readers will struggle as much in maths and science at GCSE as they do in English and in arts subjects, according to one of the biggest ever studies of student reading.

The average reading age of a GCSE exam paper is 15 years 7 months

According to the ‘Read All About It’ report, 20% of all 15-year-olds have a reading age of 11 and below, and 10% a reading age of 9 and below. The report authors conclude that “given the importance of literacy to the whole school curriculum, it follows that those students who struggle with reading are at a significant disadvantage in every one of the GCSE examinations they take”.

How can you help?

Children who read books daily score higher in school tests, vast new study states

New study highlights the importance of reading to the whole school curriculum

New Group Reading Tests (NGRTs)

What are they?

A standardised, adaptive, termly assessment to measure reading skills against the national average. Use it to identify where intervention may be needed, and then to monitor impact and progress made.

How do we use them?

We use the NGRTs to gauge your child's reading age and to determine whether or not intervention is required to bring their reading age up in line with the chronological ages

Why are they important?

If not completed correctly, the NGRTs will record inaccurate data for your child which could result in one of two things:

- 1) Your child not receiving intervention that they genuinely need.
- 2) Your child will receive intervention that they do not need which will ultimately be a waste of their time and could take a valuable resource away from those who have a true need for it.

Our Reading Intervention System



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Wave 1: Read Write Ink (RWI)

- This intervention is for students who are significantly below their chronological reading age and require support with their basic literacy skills (e.g. phonics, phonemes, etc.)
- These sessions are delivered by Miss Simpson

Wave 2: Lexia

- This is an electronic intervention which targets those students who are still significantly below their chronological reading age but do not require such intensive support as Wave 1 students.
- Students who graduate from the RWI programme will then start Lexia to continue their development.
- This programme focuses on word recognition, language comprehension and grammar.
- These sessions are delivered by Miss Sidat and Miss Townsend.

Wave 3: English Media Centre (EMC)

- This programme uses short stories centered around cultural topics to enhance students' comprehension skills – these are crucial at GCSE to ensure that students have a concrete understanding of texts or questions that they have read.
- These sessions are delivered by members of our Middle-Level and Senior Leadership Teams.

Tips to get your GCSE student to read



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What you can do:

- ✓ Make reading accessible for your child
- ✓ Model reading
- ✓ Celebrate reading as a positive
- ✓ Incorporate books into everyday life
- ✓ Replace a period of screen-time with reading
- ✓ Encourage the use of audiobooks
- ✓ Get a library card
- ✓ Merge cinema with books

How this will help:

- Our children copy role models, in particular their parents; if you read, they'll read!
- Completing a new book can be as important as winning a title match!
- Talk about books *you* used to read and enjoy when you were younger.
- Limit screen-time and replace it with a book – this will also help your budding student switch off when it comes to wind down for the night...
- Not everyone enjoys the act of reading, but stories can be listened to, and this can still help your child's reading age increase – there are thousands of free audiobooks available just waiting to be downloaded.
- Getting a library card can open the doors to hundreds of new worlds for your child – they could even come to our library where we have a wide range of books at their fingertips!
- What's your child's favourite film? Is it based on a book? Encourage them to read the book and compare the two – does the author do it better than the director?

Supporting your child in **Humanities**

Mr Hodgkinson – Head of Humanities

The History GCSE



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<https://www.aqa.org.uk/subjects/history/gcse/history-8145/specification>

- AQA GCSE History
- 2 x 2hr papers

Four units

- Health and the People
- Elizabethan England
- Germany
- Interwar Years (1918-1939)

Lots of content!

Early revision is key.

2hr exam – resilience!

Revision Guides



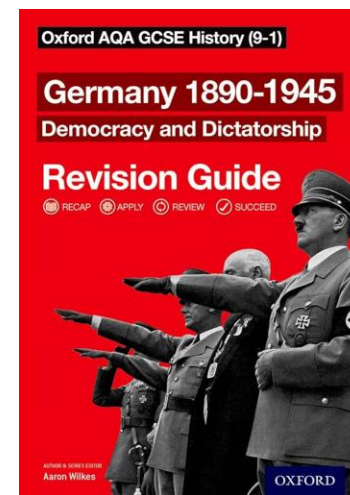
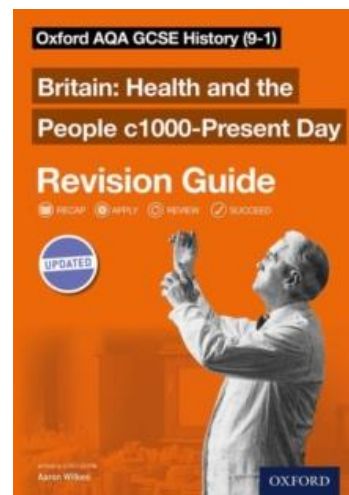
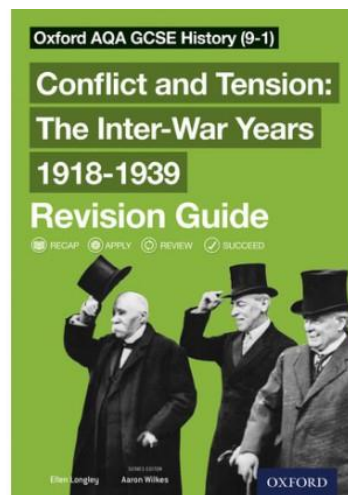
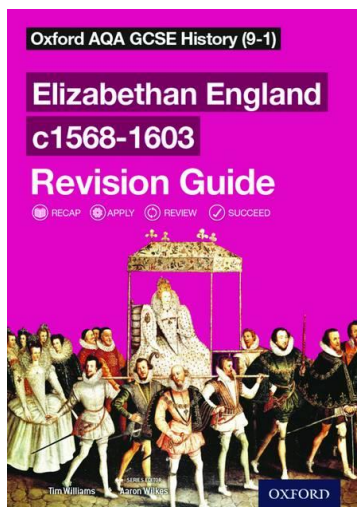
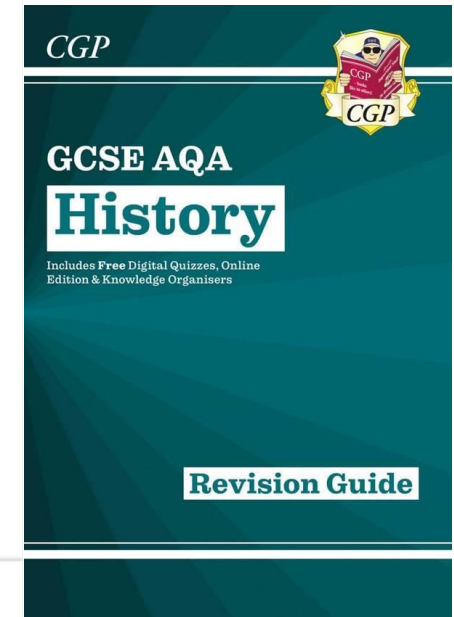
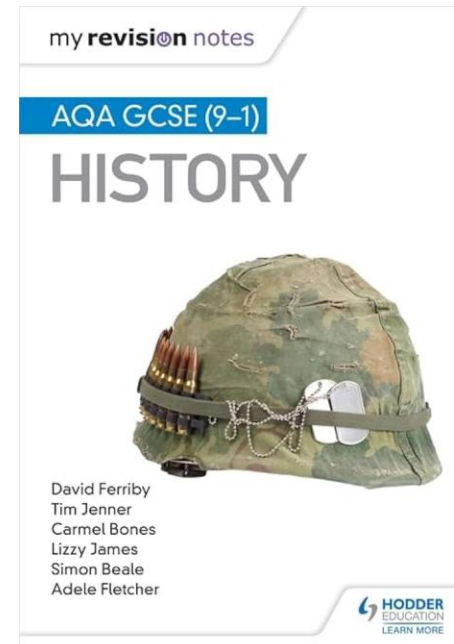
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Variety of revision guides available.

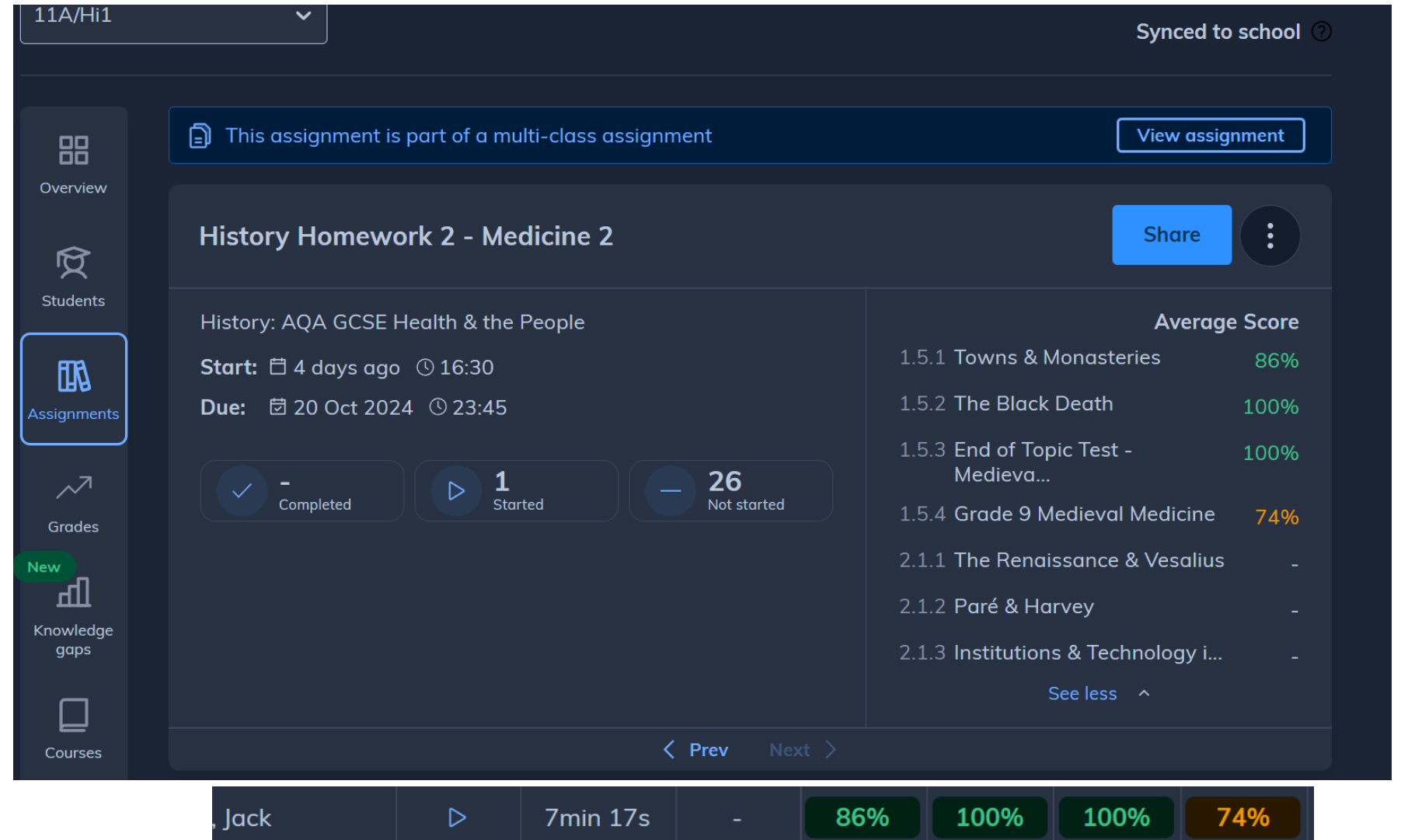
Best thing to support your child would be to begin revising with them early on!

What does revision look like in history?



Homework (Seneca)

- Set weekly.
- Should take 10-30 minutes each week.
- Teachers can easily identify gaps in students learning.
- Parents can be added to the platform to see when homework is set and what score their child gets.



The screenshot shows the Seneca homework interface for a class named '11A/Hi1'. The assignment is titled 'History Homework 2 - Medicine 2' and is part of a multi-class assignment. The assignment details include: 'History: AQA GCSE Health & the People', 'Start: 4 days ago 16:30', and 'Due: 20 Oct 2024 23:45'. The interface shows progress for 26 students: 1 Completed, 1 Started, and 26 Not started. A table of scores is displayed, showing average scores for various topics. At the bottom, a student named Jack is shown with a score of 86% and a completion time of 7min 17s.

Topic	Average Score
1.5.1 Towns & Monasteries	86%
1.5.2 The Black Death	100%
1.5.3 End of Topic Test - Medieva...	100%
1.5.4 Grade 9 Medieval Medicine	74%
2.1.1 The Renaissance & Vesalius	-
2.1.2 Paré & Harvey	-
2.1.3 Institutions & Technology i...	-

Jack | 7min 17s | 86% | 100% | 100% | 74%



Key Pointers

- Seneca
- Early revision
- Revision guides/flashcards
- Attendance is key

The Geography GCSE



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Paper 1: Living with the physical environment comprises of 3 sections. Section A: Natural hazards, Section B: The living world & Section C: Physical landscapes in the UK.

Paper 2: Challenges in the human environment comprises of 3 sections. Section A: Urban issues and challenges, Section B: the changing economic world & Section C: the challenge of resource management.

Paper 3: Geographical applications comprises of 2 sections. Section A: issue evaluation, this is a pre-released resource booklet to study 12 weeks prior to the exam and Section B: Fieldwork, year 10 will go on fieldwork in the summer term to Lytham St. Annes for this section of the paper.

AQA GCSE Geography

Early revision is key.

Lots of content!

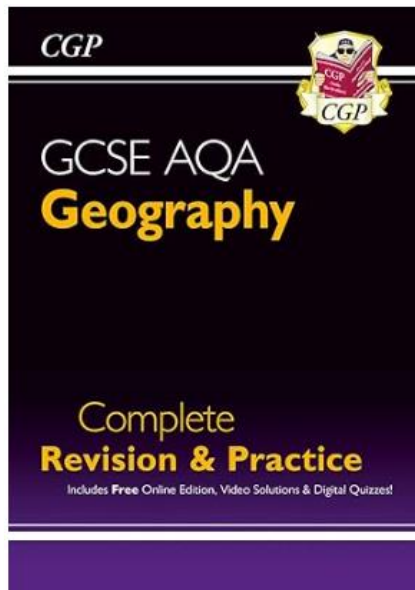
Revision Guides

[Recommended revision guide](#) as it has exam model answers and practice questions.

<https://www.bbc.co.uk/bitesize/examspecs/zy3ptyc>

<https://www.internetgeography.net/aqa-gcse-geography/>

Seneca content and quizzes & AQA website for past papers.



BBC Sign In Home News Sport Weather iPlayer Sounds Bitesize Search Bitesize

BITESIZE

Home | Learn | Study support | Careers | Parents | Trending | My Bitesize

GCSE

Geography - AQA

Easy-to-understand homework and revision materials for your GCSE Geography AQA '9-1' studies and exams

Part of [Geography](#)

[+ Add subject to My Bitesize](#)

internet geography

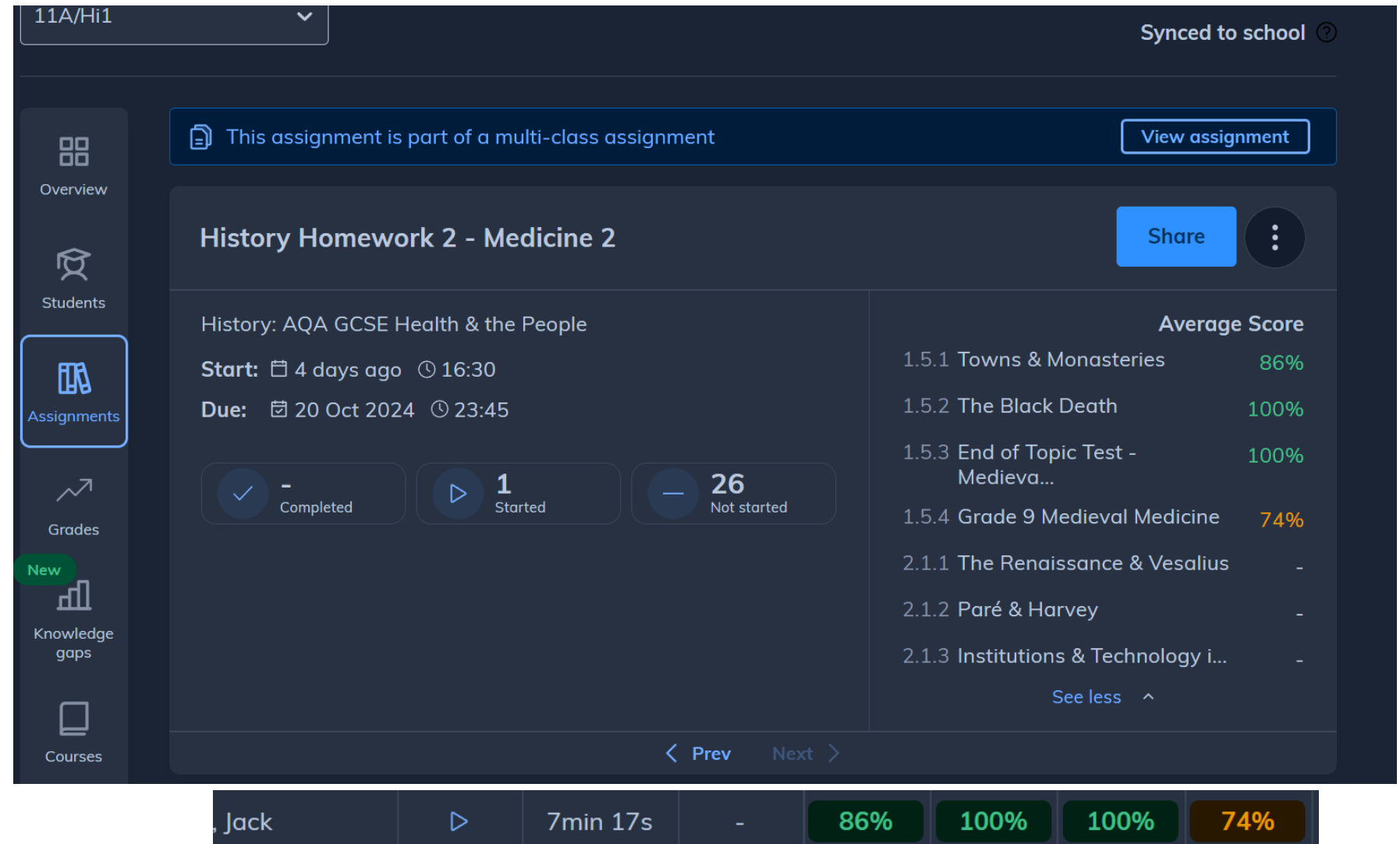
+Plus | Shop | Wider | iGCSE | AQA Geography | Topics | Skills | Teachers | Media | Revision | Quizzes | Case Studies | Homework | Blog | Contact

AQA GCSE Geography

Internet Geography resources organised by AQA GCSE Geography topics

Homework (Seneca)

- Set weekly.
- Should take 10-30 minutes each week.
- Teachers can easily identify gaps in students learning.
- Parents can be added to the platform to see when homework is set and what score their child gets.



The screenshot shows the Seneca homework interface for a class named '11A/Hi1'. The assignment is titled 'History Homework 2 - Medicine 2' and is part of a multi-class assignment. The subject is 'History: AQA GCSE Health & the People'. The start time is 4 days ago at 16:30, and the due date is 20 Oct 2024 at 23:45. The interface shows progress for 26 students: 1 Completed, 1 Started, and 26 Not started. A table of scores is displayed, showing average scores for various topics. At the bottom, a student named Jack is shown with a score of 86% and a time of 7min 17s.

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1.5.3 End of Topic Test - Medieva...	100%
1.5.4 Grade 9 Medieval Medicine	74%
2.1.1 The Renaissance & Vesalius	-
2.1.2 Paré & Harvey	-
2.1.3 Institutions & Technology i...	-

Jack | 7min 17s | 86% | 100% | 100% | 74%



Key Pointers

- Map skills.
- Key words need to be revised.
- **TEA** - acronym used to describe what is seen in data sets e.g. maps/graphs. (over trend, provide an example, look for and state if any, an anomaly).
- **BUGS** - acronym used to help attack a question using a process (box the command word, underline key words, glance & plan question, start the question)
- **PEEL** - acronym used to help structure an answer for a 6- or 9-mark question. (point - a statement to express a point of view, evidence - key fact/statistic from a case study or given figure, explain - use 3 connectives to provide a detailed explanation of your point of view, link to question - this is a sentence to conclude your point of view)

Supporting your child in **English**

Miss AShcroft – Head of English

English GCSE overview at DVHS

- Your child will be awarded 2 GCSEs for English – **English Language** & **English Literature**
- 4 papers overall
- **English Language (2 papers)**
- **English Literature (2 papers)**

English Language GCSE:



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Fiction!

**Paper 1: Explorations in creative
reading and writing**

1 hour 45 mins

50%

Reading – 40 marks 15 mins read
and plan

1. Find four... **4 marks** 5 mins
2. Language **8 marks** 10 mins
3. Structure **8 marks** 10 mins
4. Evaluate **20 marks** 20 mins

Writing – 40 marks

5. Describe or narrate : choice from two
questions **24 content** 45 mins
16 accuracy

**Paper 2: Writer's viewpoints
and perspectives**

1 hour 45 mins

50%

Reading – 40 marks 15 mins read
and plan

1. Select four... **4 marks** 5 mins
2. Comprehension **8 marks** 8 mins
3. Language **12 marks** 12 mins
4. Compare **16 marks** 20 mins

Writing – 40 marks

5. Write in a viewpoint
24 content 45 mins
16 accuracy

Non-
fiction!

English Literature GCSE:



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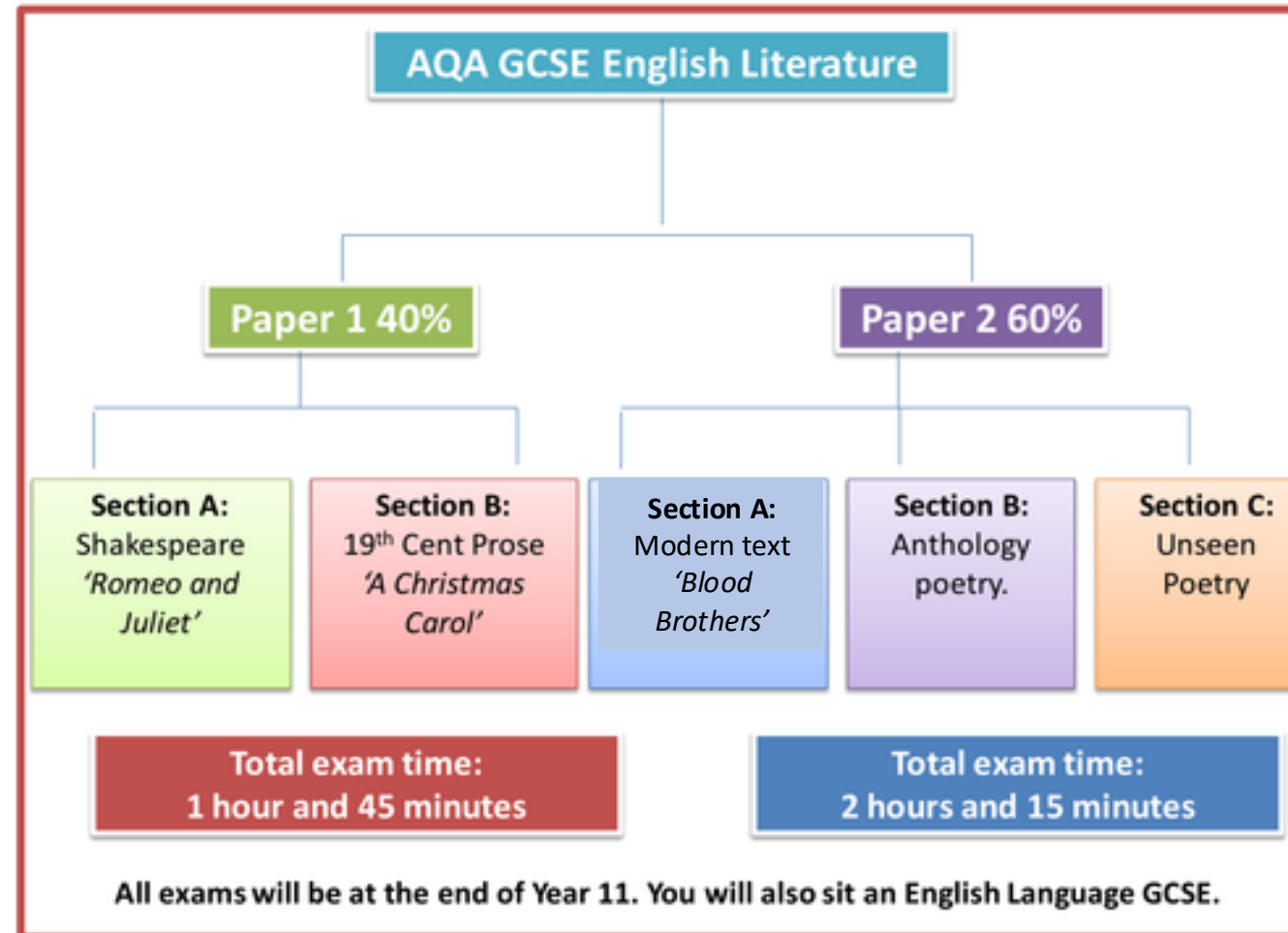
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Paper 1:

- Romeo and Juliet
- A Christmas Carol

Paper 2:

- Blood Brothers
- Power and Conflict Poetry
- Unseen Poetry





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"You can't
revise for
English"

You wouldn't believe the amount of times we've heard this said. It simply isn't true.

How to revise English Language?

1. Learn methods & key subject terminology

- Language methods
- Structure methods

Simile

She crept as quietly as a mouse.

Metaphor

Molly is such an angel.

Alliteration

The green grass grew on the sidewalks.

Hyperbole

I'm so hungry I could die.

Onomatopoeia

"Crunch" went the leaves.

Personification

The mountain looked down at me.



2. Practice makes perfect!

- practice exam questions under timed conditions



3. READ! The more you read, the more your imagination is exposed to, the more words you come across and understand and the more fluent your own writing will be :)



How to revise English Literature?

- Revise the plot (the storyline)
- Context and background information
- Key quotations
- Characters
- Themes
- What's the message or moral of the story/play/poem?



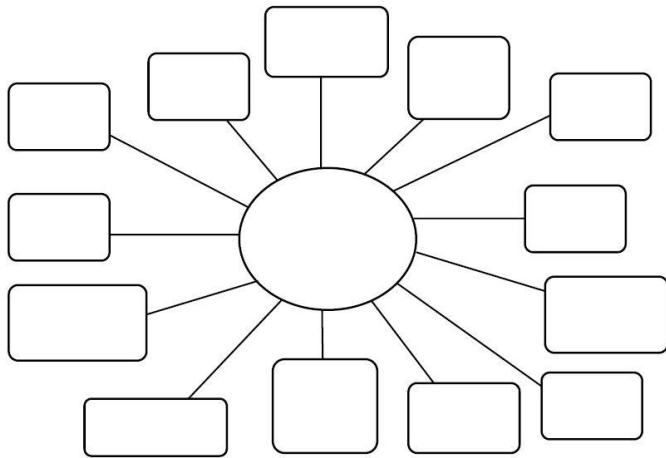
SCROOGE

CHARACTER DEVELOPMENT

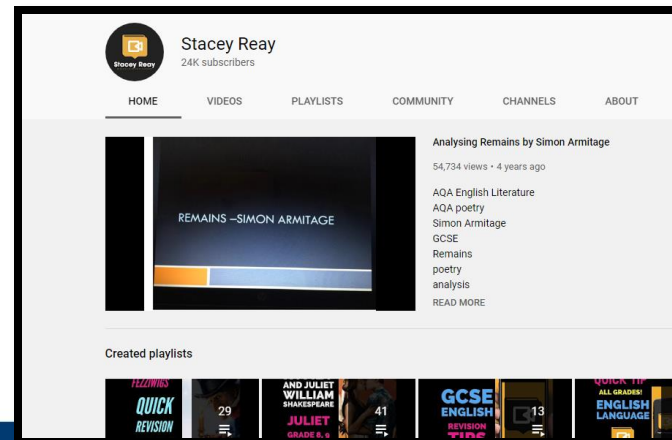
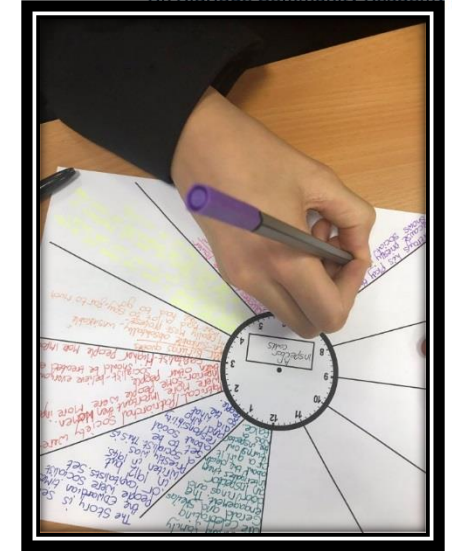
STAVE 1	"TIGHT-FISTED" "ARE THERE NO PRISONS?"	"SOLITARY AS AN OYSTER"
STAVE 2	"SOLITARY CHILD" "I SHOULD LIKE TO BE ABLE TO SAY A WORD OR TWO TO MY CLERK"	"NEGLECTED BY HIS FRIENDS"
STAVE 3	"SCROOGE ENTERED TIMIDLY"	"TELL ME IF TINY TIM WILL LIVE!"
STAVE 4	"UNWATCHED, UNWEPT, UNCARED FOR"	"I HOPE TO LIVE TO BE ANOTHER MAN FROM WHAT I WAS"
STAVE 5	"SECOND FATHER"	"MERRY AS A SCHOOL BOY"

How to revise English Literature?

Spider Diagrams & Mind-maps



Watching the film adaptations



Youtube bloggers Stacey Reay/ Mr Bruff/ The English teacher

Revision resources – paper based & online

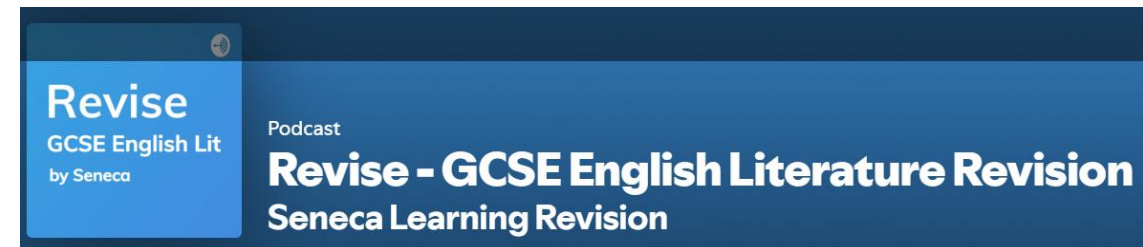


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- Revision guides for BOTH Language & Literature
- Spotify podcast – GCSE English Revision Pod
- Youtubers – Mr Bruff, Stacey Reay
- Century Online Learning
- Complete homework set by English teachers



CENTURY



Supporting your child in **Science**

Mr Tattersall– Head of Science

What are we facing...?

- 6 exams in 2026
- Spread across May-June
- Science will be one of the **first** exams you sit and for most it will be the **last**
- Lots of stuff to learn



AQA Specification



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- <https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF>

4.1.1.3 Cell specialisation

Content

Students should be able to, when provided with appropriate information, explain how the structure of different types of cell relate to their function in a tissue, an organ or organ system, or the whole organism.

Cells may be specialised to carry out a particular function:

- sperm cells, nerve cells and muscle cells in animals
- root hair cells, xylem and phloem cells in plants.

Biology
paper 1
(Year 10
content)
&

Biology
Paper 2
(year 11
Content)

Biology Paper 1

What's assessed

Biology topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.

How it's assessed

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Questions

Multiple choice, structured, closed short answer, and open response.



Biology Paper 2

What's assessed

Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

How it's assessed

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Questions

Multiple choice, structured, closed short answer, and open response.

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Chemistry paper 1 (Year 10 content) &

Chemistry Paper 2 (year 11 Content)

Chemistry Paper 1

What's assessed

Chemistry topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.

How it's assessed

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Questions

Multiple choice, structured, closed short answer, and open response.



Chemistry Paper 2

What's assessed

Chemistry topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.

Questions in Paper 2 may draw on fundamental concepts and principles from Sections 5.1 to 5.3.

How it's assessed

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Questions

Multiple choice, structured, closed short answer, and open response.

Physics paper 1 (Year 10 content) &

Physics Paper 2 (year 11 Content)

Physics Paper 1

What's assessed

Physics topics 18–21: Energy; Electricity; Particle model of matter; and Atomic structure.

How it's assessed

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Questions

Multiple choice, structured, closed short answer, and open response.



Physics Paper 2

What's assessed

Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism

How it's assessed

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Questions

Multiple choice, structured, closed short answer, and open response.

The good news...

We still have loads of time!

Roughly 573 days until Biology
Paper 1

There are loads of easy ways to
improve your grade

Your teachers are also working
very hard to make sure this is as
easy as possible for you!



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Lesson time

- This is being carefully planned to make sure as much science can be covered in the time we have
- Your teachers are experts
- You need to be working hard in lesson time now and pushing for 100% attendance to all lessons



Additional booster sessions during school time



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- Core PE
- Additional lunch sessions
- Saturday schools



Your own revision time



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You should have:

- Revision timetable that includes time for all your subjects

Revision timetables



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Time	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
8:00							
9:00							
10:00		Drama					
11:00		Science					
12:00							
1:00							
2:00							
3:00	Maths						
4:00	Conflict poems					Maths	
5:00	History		Science	History	Science	Macbeth	
6:00							
7:00	D&T	Lang. paper 2	Macbeth	Drama	D&T	History	Maths
8:00		Maths		Drama			
9:00							

Your own revision time



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You should have:

- A list of where you need to focus your revision
- A list of what is on the exam

Cell Biology Topics

- Animal and plant cells
- Eukaryotes and prokaryotes
- Cell specialisation and differentiation
- Microscopy
- Cell culture
- Cell division
- Transport in cells

Organisation Topics

- Organisation principles
- The human digestive system
- The heart and blood vessels
- Non-communicable disease (heart disease)
- Health issues
- Lifestyle effects of some non-communicable diseases
- Cancer
- Plant tissues
- Organ system of plants

Infection and Response Topics

- Communicable (infectious) diseases
- Viral diseases
- Bacterial diseases
- Fungal diseases
- Protist diseases
- Human defence systems
- Vaccination
- Antibiotics and painkillers
- Discovery and development of drugs
- Plant disease

Bioenergetics Topics

- Photosynthesis reaction
- Rate of photosynthesis
- Glucose use from photosynthesis
- Aerobic and anaerobic respiration
- Response to exercise
- Metabolism

Atomic Structure and The Periodic Table Topics

- Atoms, elements and compounds
- Mixtures
- The model of the atom
- Electrical charges of particles
- Size and mass of atoms
- Atomic mass
- Electronic structure
- The periodic table and its groups
- Metals and non-metals
- Properties of elements

Bonding, Structure and the Properties of Matter Topics

- Chemical bonds
- Ionic bonding
- Covalent bonding
- Metallic bonding
- The three states of matter and their symbols
- Properties of ionic compounds
- Properties of small molecules
- Polymers
- Giant covalent structures
- Properties of metals and alloys
- Metals as conductors
- Structure and bonding of carbon
- Sizes of particles and their properties
- Uses of nanoparticles

Quantitative Chemistry Topics

- Conservation of mass and balanced chemical equations
- Relative formula mass
- Mass changes
- Chemical measurements and amounts
- Limiting reactants
- Concentration of solutions

Chemical Changes Topics

- Reactivity of metals
- Extraction of metals and reduction
- Oxidation and reduction in terms of electrons
- Reactions of acids with metals
- Neutralisation of acids and salt production
- Soluble salts
- The pH scale and neutralisation
- Strong and weak acids
- Electrolysis

Energy Changes Topics

- Exothermic and endothermic reactions
- Reaction profiles
- The energy change of reactions

Energy Topics

- Changes in energy stores
- Energy and heating
- Energy demands
- Work, power and efficiency

Electricity Topics

- Electric circuits
- Mains electricity

Particle Model of Matter Topics

- Density of materials
- Particles in gases
- Temperature changes and energy

Atomic Structure Topics

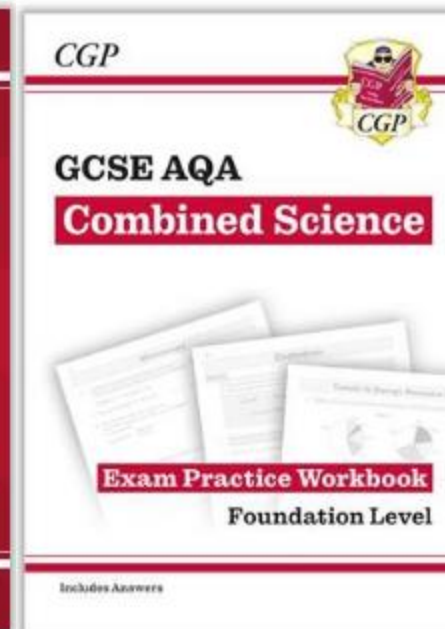
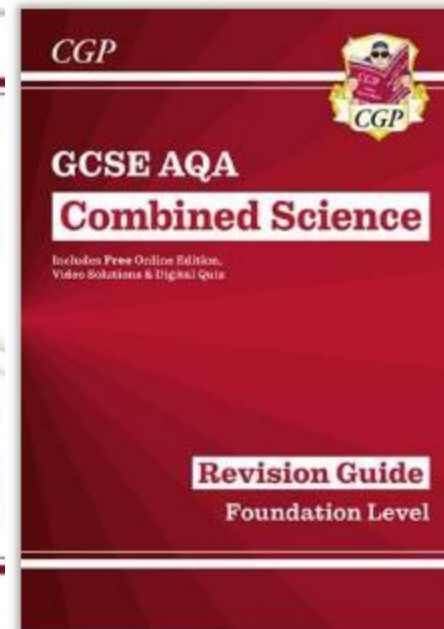
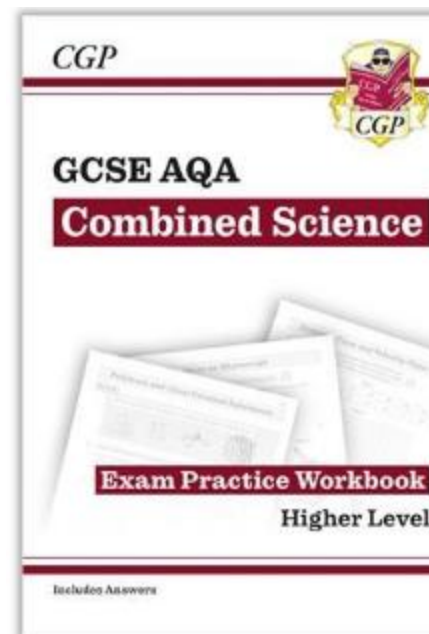
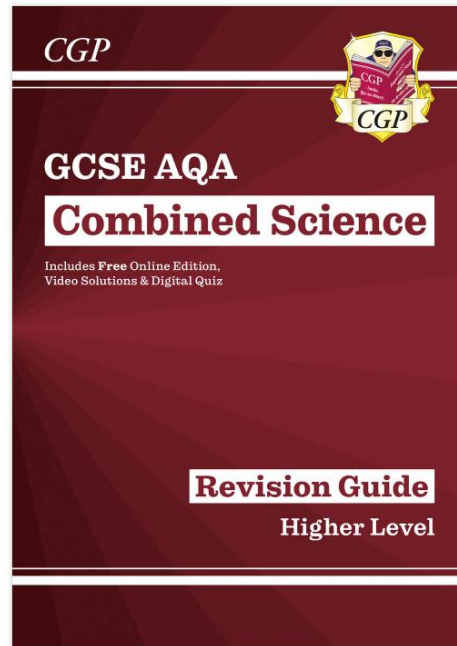
- Atoms, isotopes and ions
- Models of the atom
- Radioactive decay
- Uses and dangers of radiation

Revision Guides & Workbooks



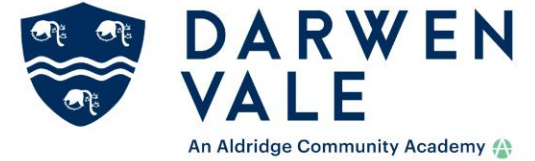
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These can be ordered from school at a discounted rate.

Useful links



BBC Bitesize

Combined: <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>

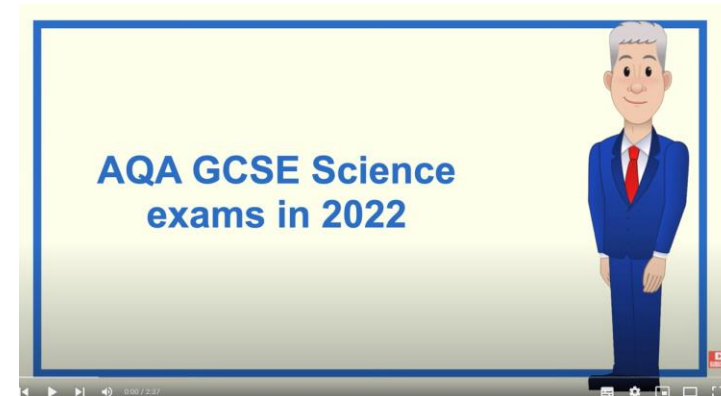
Triple Biology: <https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>

Triple Chemistry: <https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>

Triple Physics: <https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>

Free Science Lessons

Physics and maths tutor: <https://www.physicsandmathstutor.com/past-papers/gcse-science/>



Your own revision time

- Past paper questions

https://www.physicsandmathstutor.com/past-papers/gcse-science/

Webmail OneDrive Teams AccessIT DV_Students DV_Staff Bromcom AE Intranet Every CPOMs

PHYSICS & MATHS TUTOR

HOME REVISION COURSES PAST PAPERS GCSE / IGCSE FIND A TUTOR A-LEVEL UNI ADMISSIONS

Home > Past Papers > GCSE / IGCSE Combined Science Papers

GCSE / IGCSE Combined Science Papers

9-1 GCSEs (UK)

AQA	Edexcel	OCR	OCR	Eduqas
Biology 1	Biology 1	Science A (Gateway)	Science B (21 st Century)	Component 1
Biology 2	Biology 2	Paper 1 (F) Biology	Paper 1	Component 2
Chemistry 1	Chemistry 1	Paper 2 (F) Biology	Paper 2	Component 3
Chemistry 2	Chemistry 2	Paper 3 (F) Chemistry	Paper 3	Component 4
Physics 1	Physics 1	Paper 4 (F) Chemistry	Paper 4	Component 4
Physics 2	Physics 2	Paper 5 (F)	Paper 5	WJEC
		Paper 6 (F)	Paper 6	Unit 1



How to revise GCSE Science

Learn the content you
don't know



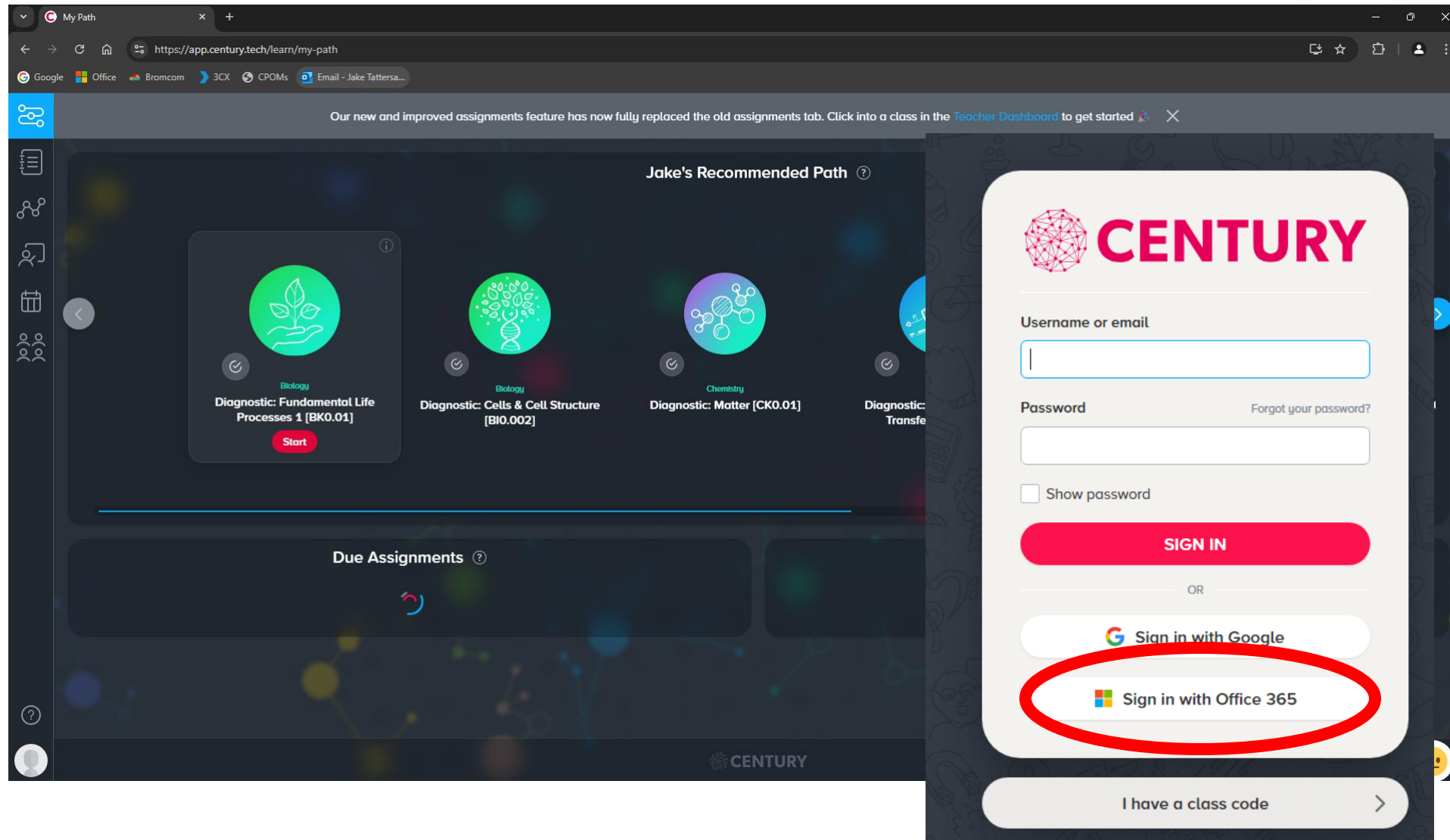
Test your knowledge



Fill the gaps

***The more past paper
questions you can
complete, mark and
learn from your
mistakes the higher
your grade will be!***

Century learning



The screenshot shows the Century Learning app interface. At the top, a notification banner reads: "Our new and improved assignments feature has now fully replaced the old assignments tab. Click into a class in the [Teacher Dashboard](#) to get started". Below this, the main content area is titled "Jake's Recommended Path" and features four diagnostic assignment cards:

- Diagnostic: Fundamental Life Processes 1 [BK0.01]** (Biology) with a **Start** button.
- Diagnostic: Cells & Cell Structure [BIO.002]** (Biology).
- Diagnostic: Matter [CK0.01]** (Chemistry).
- Diagnostic: Transfer of Matter** (Chemistry).

Below the recommended path is a section for "Due Assignments". A sign-in overlay is positioned on the right side of the screen, featuring the Century logo and the following fields and options:

- Username or email** input field.
- Password** input field with a [Forgot your password?](#) link.
- Show password
- SIGN IN** button.
- OR separator.
- Sign in with Google** button.
- Sign in with Office 365** button (circled in red).
- I have a class code** button with a right arrow.

Using what's available...



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I need 5 questions on GCSE AQA combined science on forces aimed at foundation students



Sure, here are five questions on forces for GCSE AQA Combined Science, designed for foundation students:

1. **What is the definition of force?**

- **Answer:** A force is a push or pull that can change the motion of an object or cause it to deform.

2. **What unit is used to measure force?**

- **Answer:** The unit of force is the Newton (N).

3. **If you apply a force of 10 Newtons to a stationary object, what will happen to the object if the force is not opposed?**

- **Answer:** The object will start to move in the direction of the applied force.

4. **What is the term for the force that opposes the motion of an object sliding on a surface?**

- **Answer:** The force that opposes motion is called friction.

5. **If a car is accelerating, what type of force is acting on it to cause the acceleration?**

- **Answer:** The force causing the acceleration is the driving force or thrust provided by the engine.

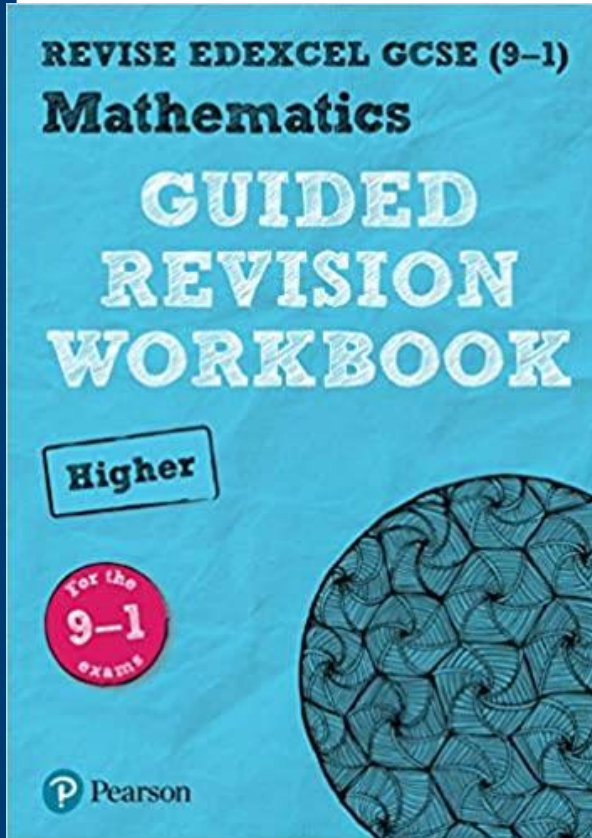
Supporting your child in **Maths**

Mr Bennett– Head of Maths

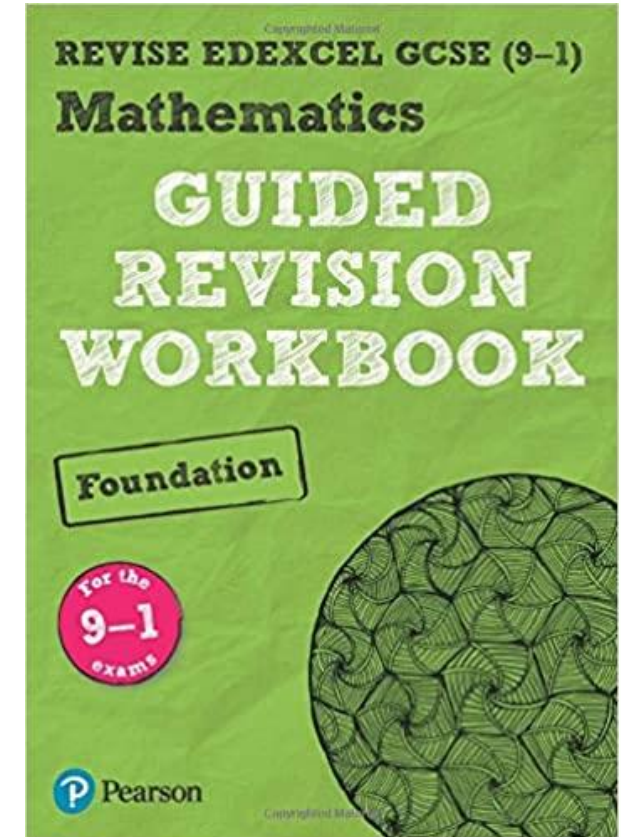
What will we be learning?

- A scheme of work created by the exam board that we follow
- Adapted by the Maths leaders within the trust
- Focusing on depth of understanding
- A topic-by-topic breakdown of our scheme of learning can be found on the school website.

Useful revision materials



- Exam board revision workbooks
- 10-minute maths tests
- Practice papers
- Bootcamp



Exam Structure



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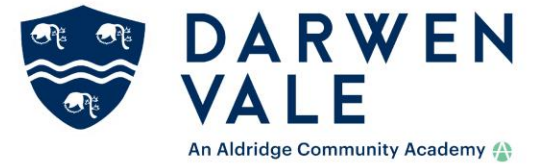
Tier	Topic area	Weighting
Foundation	Number	22 - 28%
	Algebra	17 - 23%
	Ratio, Proportion and Rates of change	22 - 28%
	Geometry and Measures	12 - 18%
	Statistics & Probability	12 - 18%
Higher	Number	12 - 18%
	Algebra	27 - 33%
	Ratio, Proportion and Rates of change	17 - 23%
	Geometry and Measures	17 - 23%
	Statistics & Probability	12 - 18%

on and Higher.

5 strands of mathematics assessed:

- Number
- Algebra
- Ratio & Proportion
- Geometry
- Statistics & Probability

Sparx Maths



The new way to do homework!

- Compulsory homework is personalised to each individual student
- There is an independent learning section that includes videos, which model the method/process for each topic
- There are other sections; XP boost and target which focus on the topics that students have struggled with

Online revision



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- www.sparx.uk
- www.mathsgenie.co.uk
- www.corbettmaths.com

Mocks

- Will follow the same format as an exam series, so 3 papers to complete.
- The grade you attain gives you your starting point, most students will make another 1-2 grades of progress from Y11 mock 1 to the actual GCSE's
- QLA – will be produced to help students to revise for Mock 2 and GCSE's

Contacts

- Vice Principal - Ruth.Cull@darwenvale.com
- Reading - Georgina.Raseta@darwenvale.com
- Humanities – Jake.Hodgkinson@darwenvale.com
- English – Rachael.Ashcroft@darwenvale.com
- Science – Jake.Tattersall@darwenvale.com
- Maths – Daniel.Bennett@darwenvale.com

