






# Y10 Parent Information Evening

Thursday 11th January

Year Team Contact details – [bbayear10team@clf.uk](mailto:bbayear10team@clf.uk)

 Bristol\_Brunel\_Academy

 BristolBrunelAcademy

 @BristolBrunel



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Parent Information Evening - ABA

## What is the purpose of this evening?

- Opportunity for face-to-face Q&A.
- Provide an overview of assessments periods in Y10 and Y11.
- Give an opportunity for you to hear from our curriculum leaders about how best to prepare for examinations.
- Signposting to MH&W resources.
- Opportunity to talk to our career's advisor ahead of work experience.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Y10 to Y11: The assessment journey

- w/b 29th January: **Walking talking mocks & mocks.**

English, Maths and Science will be in exam rooms.

Options (maybe) running mocks within subject.

- Term 6 of Y10: **Mocks in all subjects, in exam rooms.**
- Term 2 of Y11: **Mocks in all subjects, in exam rooms.**
- Term 4 of Y11: **Mocks in all subject, in exam rooms.**
- Term 5 of Y11: **Final external examinations.**



We all make **exceptional** things happen everyday

**Academically** | **Professionally** | **Socially** | **Personally** | **Within the Community**

# Key mock information

## Walking Talking Mocks (In exam rooms)

Thursday 25th January – English P3&4

Tuesday 30th January – Science P1&2

Tuesday 30th January – Maths P5&6

Wednesday 31st January 2024		Drama PM	
		Health & Social Care Assessments all day	
Thursday 1st February 2024	Science AM	Maths Paper 1 PM	
	Combined 1hr 10m	1hr 30m	
	Seperate 1hr 45mins		
Friday 2nd February 2024	English Language AM	Maths Paper 2 PM	
	1hr 45m	1hr 30m	
Wednesday 6th March 2024	Health & Social Care Assessments all day		



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Exams Access Arrangements

Access Arrangements are pre-examination adjustments for candidates based on **evidence of need and normal way of working**.

Some arrangements are delegated to **centres**, others require prior **JCQ<sup>CIC</sup> awarding body approval**.

**Access Arrangements allow candidates/learners:**

- with special educational needs, disabilities
  - or temporary injuries to access the assessment
- without changing the demands of the assessment.

In this way Awarding Bodies will comply with **the duty of the Equality Act 2010 to make 'reasonable adjustments'**.

[JCQ [website](#) - *Access Arrangements, Reasonable Adjustments and Special Consideration - An Overview*]



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Exams Access Arrangements

## JCQ Approved Arrangements

- Scribe
- Word processor with spell check
- Extra time
- Language modifier or practical assistant
- Enlarged papers
- Braille

## Centre Allocated arrangements

- Reader only
- Computer reader
- Word processor SPAG disabled
- Prompt
- Rest breaks
- Quiet room
- Reading pen

**EAL Arrangements**  
for students who are new to the country and English in the last 3 years.

- 25% extra time and dictionary



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Exams Access Arrangements

## What are the regulations?

- An external specialist Assessor must assess students for some arrangements.
- The arrangement last for 2 years and must be in place 3 months prior to exams.
- The need for access arrangements should be considered on a subject-by-subject basis.
- The arrangement(s) put in place must reflect the support given to the candidate
  - in the classroom; or
    - **and/or**
    - **in internal school tests and mock examinations.**
- Teacher referrals must evidence usual way of working .
- JCQ Exams Access Inspections will check whether the evidence and paperwork

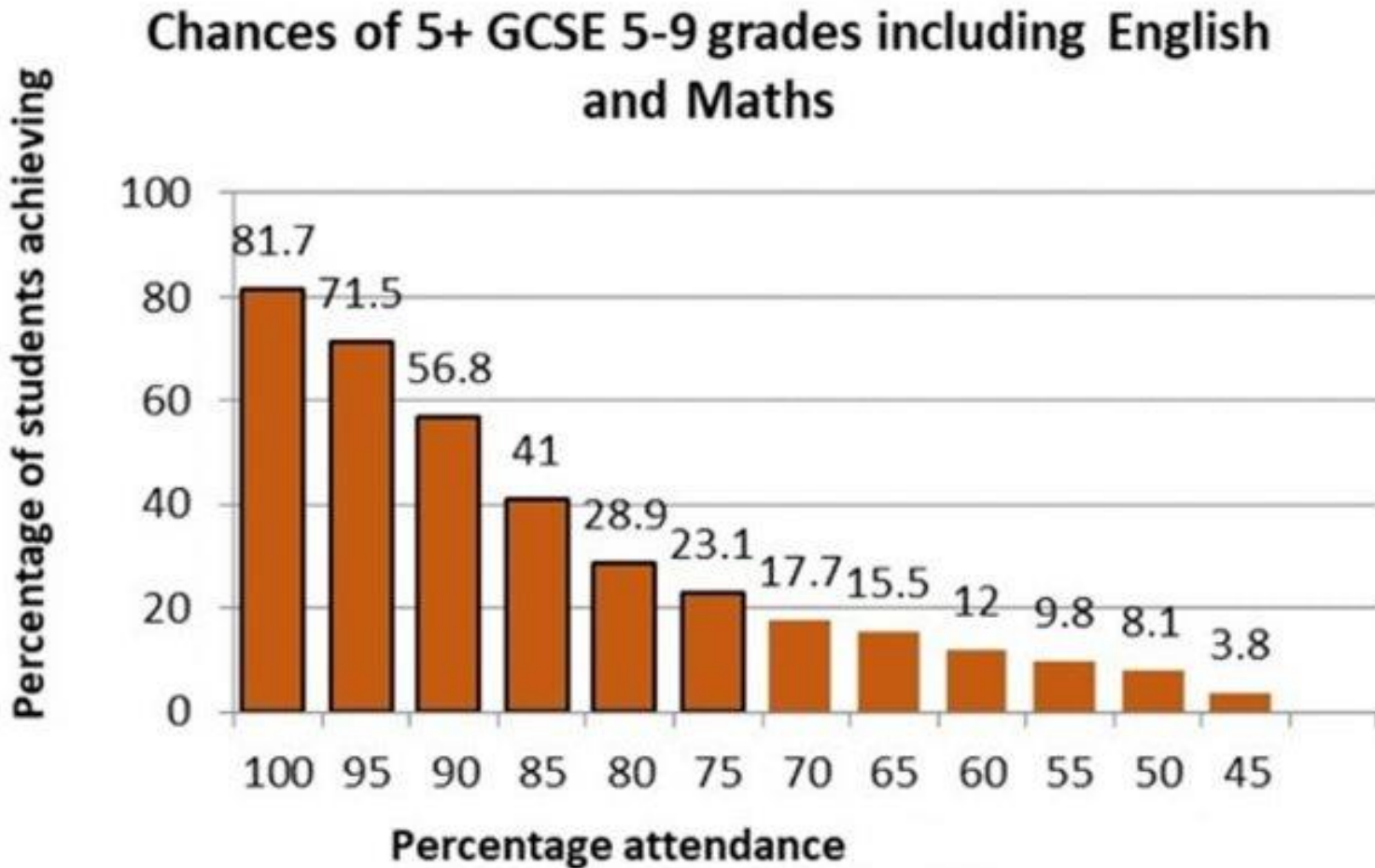


We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# The Importance of Good Attendance



We all make exceptional things happen everyday

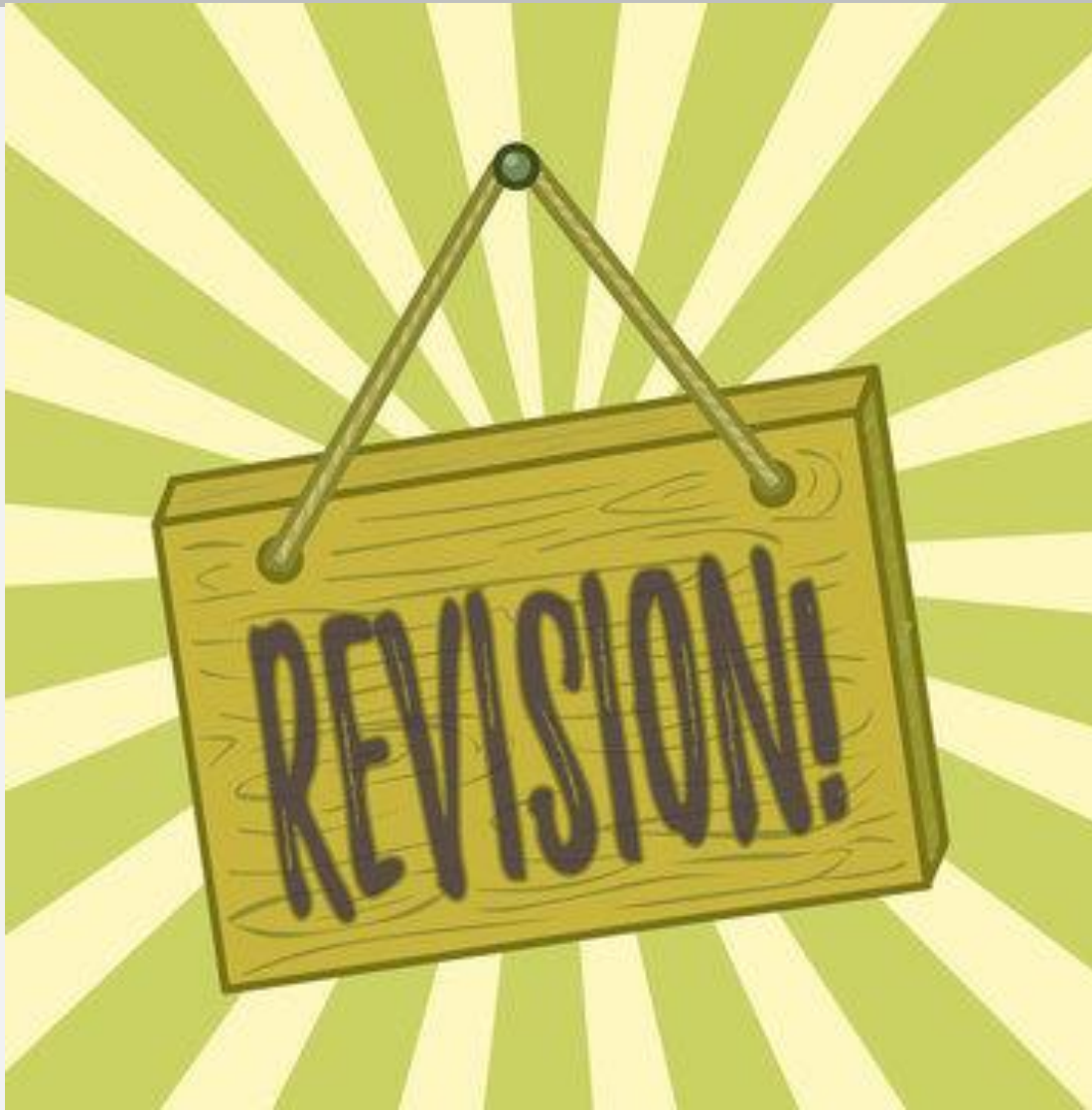
Academically | Professionally | Socially | Personally | Within the Community



# Exam preparation: The main part, lessons.

- Making the most of lesson's & the experts in the room
- Challenge
- Explanation
- Modelling
- Practice
- Feedback
- Questioning





We all make **exceptional** things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Planning

- Revision timetable (on SMHW)
- Include rest breaks, time to do things you enjoy, spend time with family, get outside
- Chunking & spacing
  - don't allocate 5 hours to a particular subject
  - Smaller amounts of time
  - regularly revisiting a topic to embed into long term memory
  - What technique will you use in that time



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Optimum Spacing

- Research suggests there is an '**optimal gap**' between revision sessions so you can retain the information.
- If the test is in a month, you should review the information around once a week. If the test is in a week, create time once a day.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Spacing based on the evidence

Time to the test	Revision Gap
1 Week	1-2 days
1 Month	1 week
3 Months	2 weeks
6 Months	3 weeks
1 Year	1 month



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# The power of spacing- why should you do it?

- It allows you time for topics to be forgotten and relearnt.
- It cements information into your long-term memory.
- We can learn more information over time than in one longer session.
- It helps you revise more efficiently.

In some studies, using spacing instead of cramming has resulted in a 10% to 30% difference in final test results.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





# Learning the content

## Focus on what you DO NOT know/ do well at

### Longer revision blocks

- Making notes from textbooks and websites
- Summarising key points on to postcards or post it notes
- Mind maps
- Practise, practise, practise

### Shorter chunks of time

- Quick quizzing
  - Siblings, parents/carers get involved
  - Cover parts of a revision mat/ revision guide or close the books and see if you can rewrite what you need to know.
  - Formulae (statistics, science, maths) write them out over and over, like you learned your timestables.

### Exam Questions – mark using the mark scheme

**Continue to practise the bits you get wrong, until you get them right, but remember to revisit things you got right, but less frequently to keep it fresh.**



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Revision Timetable

Week 2.	4.30pm	5.15pm	6.00pm	6.45pm	7.00pm	7.45pm	8.00pm	8.45pm
Monday	BIOLOGY (TOPIC) LEARN CONTENT	MATHS PRACTISE	MATHS formulae	FOOD	QUIZ BIOLOGY	SCIENCE FORMULAE	QUIZ FORMULAE	
Tuesday	ENGLISH (TOPIC) LEARN CONTENT	PHYSICS (TOPIC) LEARN CONTENT		FOOD	QUIZ PHYSICS	CHEMISTRY LEARN CONTENT		
Wednesday	MATHS (TOPIC) PRACTISE	BIOLOGY LEARN CONTENT	QUIZ <del>BIOL.</del> CHEM	FOOD	MATHS FORMULAE	ENGLISH PRACTISE	QUIZ PHYSICS	
Thursday	PHYSICS (TOPIC) PRACTISE	MATHS PRACTISE	Football Practice	FOOD	BIOLOGY LEARN CONTENT.			
Friday	QUIZ BIOL PHYS CHEM	PLAN EXAM TOPICS	MATHS. PRACTISE	food	English content.			CHILL.
	9.00am-10.30am	11.00am-12.30am	1.30pm-3.00pm	3.30pm-5.00pm	7.00pm	8.00pm	9.00pm	10.00pm
Saturday	SLEEP	English Exam	Out with mates.	FOOD	QUIZ SCIENCE.	STAY OVER MATE'S		
Sunday	SLEEP	Maths Exam	SCIENCE EXAM	VISIT NAN	REDRAFT EXAM ANSWERS	PREP FOR SCHOOL TOMORROW		



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





# Extra Support

- Tutor
- Holiday sessions for options subjects



We all make **exceptional** things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





English

CL: Ali Griffiths

DCL: Daisy Minns

## English Language Paper One

**Section A:** Reading and responding to a fiction text.

**Section B:** Descriptive/Narrative Writing.

## English Language Paper Two

**Section A:** Reading and responding to two linked non-fiction texts.

**Section B:** Writing to present a point of view.

## English Literature Paper One

**Section A:** Shakespeare (Macbeth)

**Section B:** A Christmas Carol (extract and whole text)

## English Literature Paper Two

**Section A:** An Inspector Calls

**Section B:** Power and Conflict poetry

**Section C:** Unseen Poetry



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# English Language Paper 1

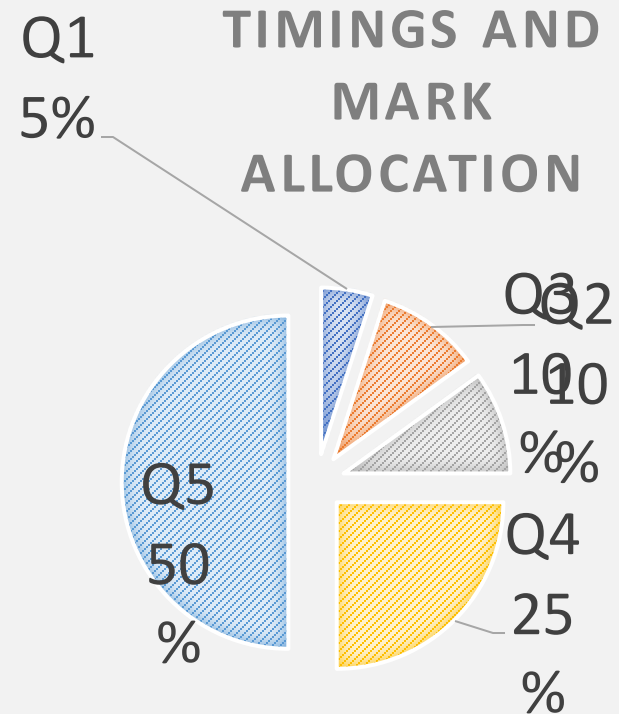
Read the source and the questions.  
Prep your text (10 minutes)

## Section A: (45 minutes)

- Question 1: List four things (5 minutes)
- Question 2: Language analysis (10 minutes)
- Question 4: Evaluation (20 minutes)
- Question 3: Structure (10 minutes)

## Section B: Writing (50 minutes)

- Question 5: Creative writing (10 minutes planning / 35 minutes writing/ 5 mins proof reading)



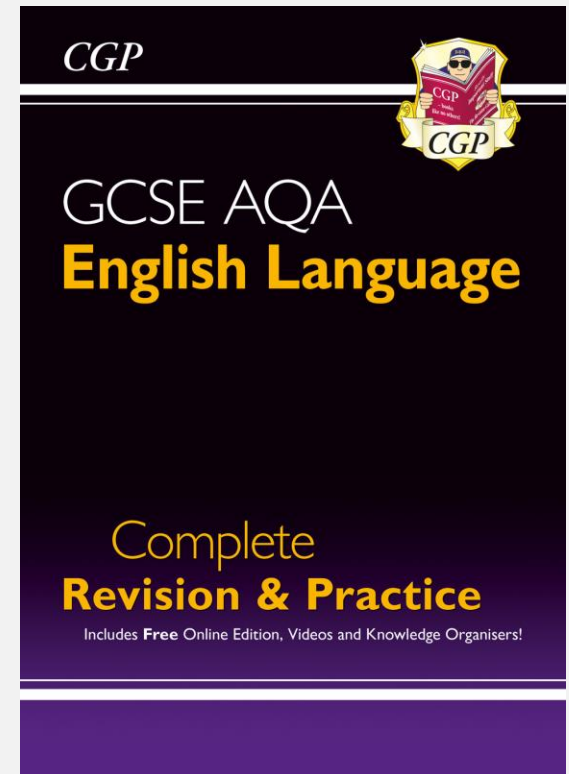
We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# English Language Paper 2

- AQA exam board
- Two non-fiction extracts
- Writing to argue / persuade
- 1 hour 45 minutes
- Revision strategies:
  - Practice papers: students ask teachers for papers and hand them in for feedback
  - English Lang revision guides



We all make exceptional things happen everyday

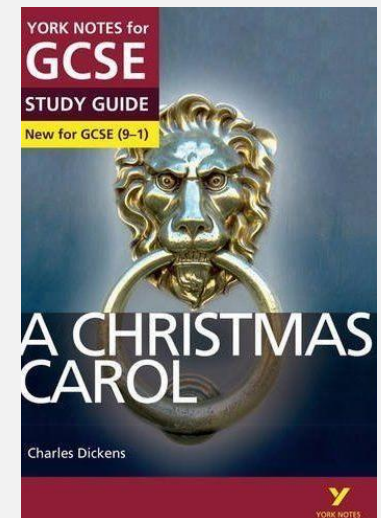
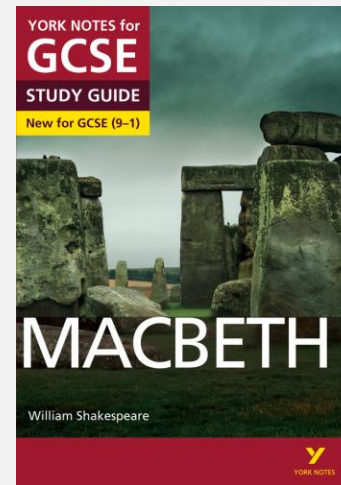
Academically | Professionally | Socially | Personally | Within the Community



# English Literature Paper

## 1

- AQA exam board
- Texts for GCSE:
  - ✓ A Christmas Carol
  - ✓ Macbeth
  - ✓ An Inspector Calls
  - ✓ Power and Conflict poetry
  - ✓ Unseen Poetry



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# What we offer:

- Knowledge organisers for each paper
- Revision guides available on parent pay
- Homework tailored to key revision and learning of key quotes
- After school revision drop in session on a Thursday - all KS4 students welcome



We all make **exceptional** things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





# How to revise



Practice papers

Homework

Use revision guides

Tassomai and Seneca online

Flashcards and mind-map materials

Create mind maps

Attend after school revision on Thursday 3:10 – 4pm



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





# Contact

Ali Griffiths

Curriculum Leader of English

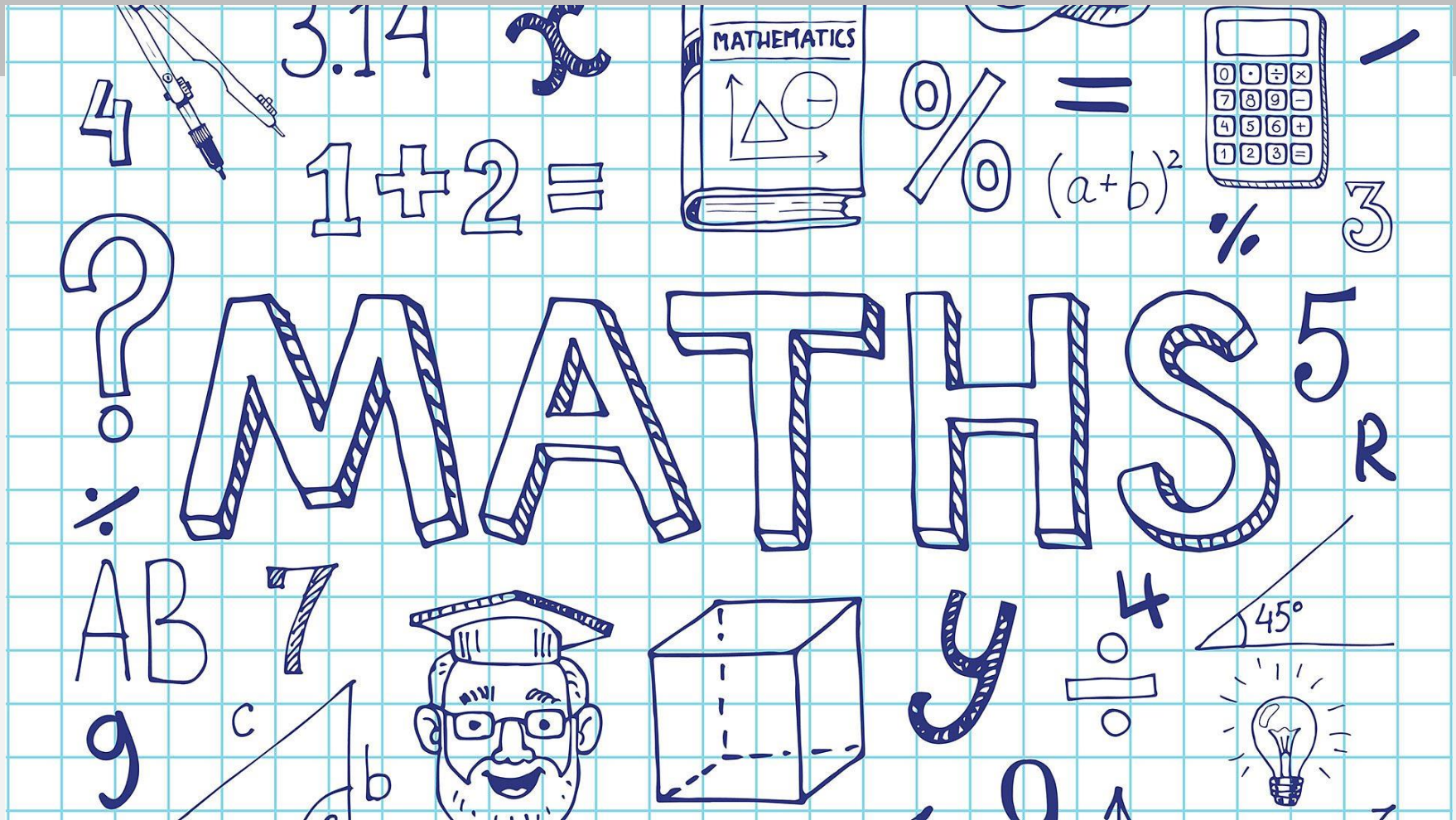
Ali.griffiths@clf.uk



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





CL: David Busby  
DCL: Joe Fraser

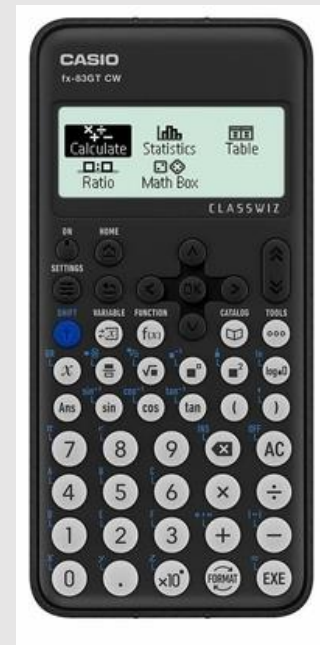
We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Revision key messages

- Maximise marks, don't focus on grade boundaries
- Aim as high as you can – don't settle for your college offer grades
- Minimum 20 minutes of maths every day, especially Thursday– Sunday. Homework counts as revision
- High achieving schools do more – that's who you are competing with
- Be equipped – Casio Calculators. £10.50 via parent pay, £20 in shops
- Doing questions through:
  1. Mathswatch ([top 10 topics](#), feedback sheets)
  2. Exam papers ([maths genie](#), [onmaths](#), [corbett maths](#))



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Bigger Picture

2 tiers, Higher/Foundation

Higher: grades 3-9

Foundation: grades 1-5

3 x 80 mark papers, 1 Non-calculator, 2 Calculator

Students who get grades U – 3 have to re-do GCSE Maths at Post 16. It can also rule out level 3 courses and apprenticeships.

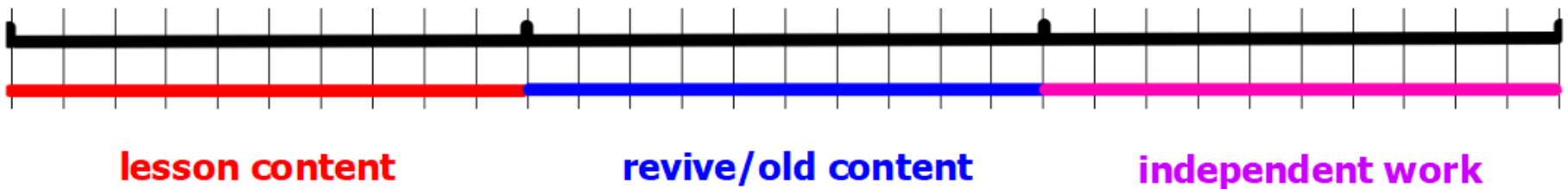


We all make **exceptional** things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# How to improve by 30 marks



- 30 mark is roughly one mark per lesson until your next set of mocks.
- 30 marks is between 7-10 questions (roughly) across the three papers.
- each lesson you should be aiming to gain 1 marks worth of knowledge.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Examples of Y11 students

## Positive

B: 4 in November, 8 in Summer

E: U in November, 2 in March, 2 marks from a 5 in Summer

H: 3 in November, 6 in Summer

Maths every day, exam papers

## Negative

A: 4 from Y10 to Y11 – poor attendance and HW

M: 4 in Y10 to 3 in Y11 – poor attendance, truancy and HW

J: 5 in Y10 to 1 from 6 in Y11 – lack of effort and HW

Unfortunately, too many to list



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





# SCIENCE

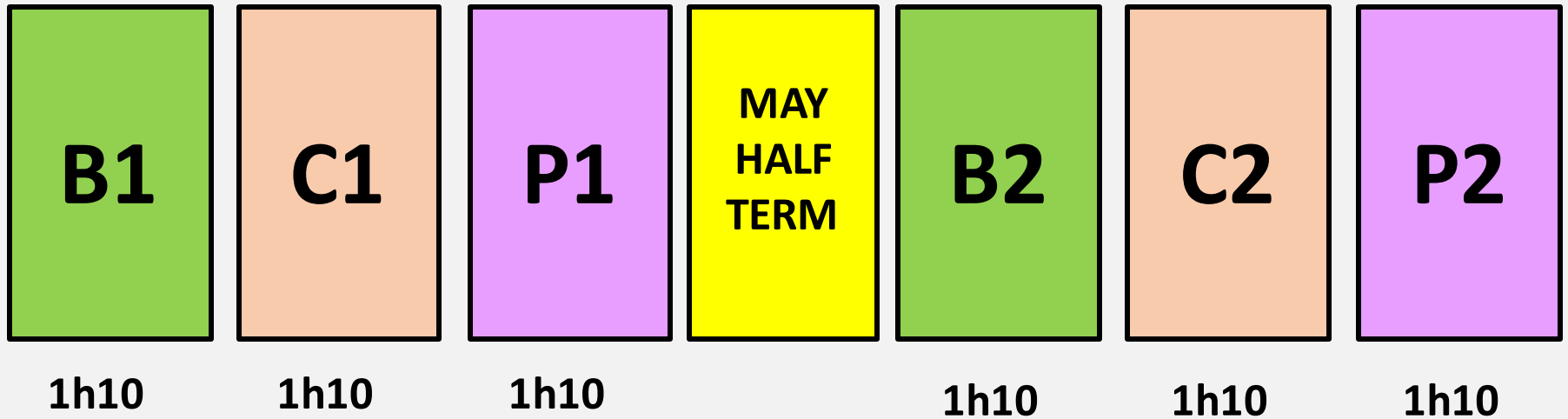
CL: Joe Rogers  
DCL: Isabella Grimes

# Science Overview

## Combined Science

100% of the marks are from exams at the end of Y11.

Students leave with two GCSEs in science (e.g. 65).



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



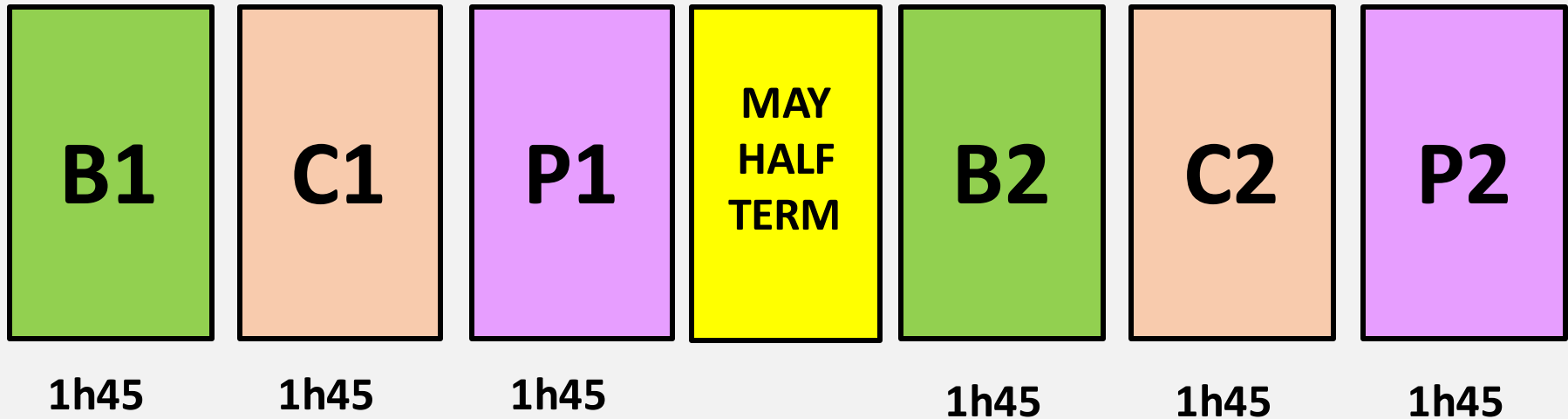


# Science Overview

## Separate Science

100% of the marks are from exams at the end of Y11.

Students leave with three GCSEs in science (e.g. biology 7, chemistry 7, physics 8)



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Science Mock Exam Date

**Tues 30th January: Walking-Talking Mock Exam**

**Thurs 1st Feb: B1C1P1 mock exam**

**Students will be sitting a 1h10 paper which is a combination of **biology**, **chemistry** and **physics** questions.**



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Science Revision

1. Topic Lists
2. Revision Guides
3. BBA Science YouTube
4. Homework



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# 1. Topic Lists

Topic Lists are available on SMH.

## Science - Separate Higher – Revision Sheet Y10 Jan Mocks

### Biology 1 – Separate Science (H)

Specification Point	RAG	Revision guide page	Video revision Link
<b>Topic 1 – Key Concepts in Biology</b>			
1.1 Explain the structure and function of: a) animal cells b) plant cells c) bacteria		12	<a href="#">Cell Structure</a>
1.2 Describe how specialised cells are adapted to their function, including: a) sperm cells b) egg c) ciliated cells		13	<a href="#">Specialised Cells</a>
1.3 Explain how changes to microscopes have allowed us to see cells better		14	<a href="#">Light &amp; Electron Microscopes</a>
1.4 Calculate magnification		14	<a href="#">Order of Magnitude</a>
1.5 Be able to convert units e.g. milli, micro, nano and standard form			
1.6 <i>Core practical - Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations</i>		14-15	<a href="#">Using a Light Microscope</a> <a href="#">Microscope Calculations</a> <a href="#">Using Microscopes</a> <a href="#">Enzyme Function</a>
1.7 Explain the mechanism of enzyme action including the active site and enzyme specificity			
1.8 Explain how enzymes can be denatured due to changes in the shape of the active site		16	<a href="#">Enzyme Graphs</a>
1.9 Explain the effects of temperature, substrate concentration and pH on enzyme activity			<a href="#">Enzymes &amp; Temperature</a>
1.10 <i>Core practical - Investigate the effect of pH on enzyme activity</i>		17	<a href="#">pH and amylase</a> <a href="#">pH and enzymes</a>
1.11 Demonstrate an understanding of rate calculations for enzyme activity			
1.12 Recall biological processes where enzymes are used as a biological catalyst		18	<a href="#">Enzymes in Breakdown and Synthesis</a>
1.15 Explain how substances are transported by diffusion, osmosis and active transport		21	<a href="#">Transport</a>
1.16 <i>Core practical: Investigate osmosis in potatoes</i>			
1.17 Calculate percentage gain and loss of mass in osmosis		22	<a href="#">Osmosis CP</a>



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# 1. Topic Lists

Topic Lists are available on SMH.

## Science - Separate Higher – Revision Sheet Y10 Jan Mocks

### Biology 1 – Separate Science (H)

Specification Point	RAG	Revision guide page	Video revision Link
<b>Topic 1 – Key Concepts in Biology</b>			
1.1 Explain the structure and function of: a) animal cells b) plant cells c) bacteria		12	<a href="#">Cell Structure</a>
1.2 Describe how specialised cells are adapted to their function, including: a) sperm cells b) egg c) ciliated cells		13	<a href="#">Specialised Cells</a>
1.3 Explain how changes to microscopes have allowed us to see cells better		14	<a href="#">Light &amp; Electron Microscopes</a>
1.4 Calculate magnification		14	<a href="#">Order of Magnitude</a>
1.5 Be able to convert units e.g. milli, micro, nano and standard form			
1.6 <i>Core practical - Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations</i>		14-15	<a href="#">Using a Light Microscope</a> <a href="#">Microscope Calculations</a> <a href="#">Using Microscopes</a>
1.7 Explain the mechanism of enzyme action including the active site and enzyme specificity			<a href="#">Enzyme Function</a>
1.8 Explain how enzymes can be denatured due to changes in the shape of the active site		16	<a href="#">Enzyme Graphs</a>
1.9 Explain the effects of temperature, substrate concentration and pH on enzyme activity			<a href="#">Enzymes &amp; Temperature</a>
1.10 <i>Core practical - Investigate the effect of pH on enzyme activity</i>		17	<a href="#">pH and amylase</a> <a href="#">pH and enzymes</a>
1.11 Demonstrate an understanding of rate calculations for enzyme activity			
1.12 Recall biological processes where enzymes are used as a biological catalyst		18	<a href="#">Enzymes in Breakdown and Synthesis</a>
1.15 Explain how substances are transported by diffusion, osmosis and active transport		21	<a href="#">Transport</a>
1.16 <i>Core practical: Investigate osmosis in potatoes</i>			
1.17 Calculate percentage gain and loss of mass in osmosis		22	<a href="#">Osmosis CP</a>

This shows you every single spec point that you could be assessed on in the exam.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# 1. Topic Lists

Topic Lists are available on SMH.

## Science - Separate Higher – Revision Sheet Y10 Jan Mocks

Biology 1 – Separate Science (H)			
Specification Point	RAG	Revision guide page	Video revision Link
<b>Topic 1 – Key Concepts in Biology</b>			
1.1 Explain the structure and function of: a) animal cells b) plant cells c) bacteria		12	<a href="#">Cell Structure</a>
1.2 Describe how specialised cells are adapted to their function, including: a) sperm cells b) egg c) ciliated cells		13	<a href="#">Specialised Cells</a>
1.3 Explain how changes to microscopes have allowed us to see cells better		14	<a href="#">Light &amp; Electron Microscopes</a>
1.4 Calculate magnification		14	<a href="#">Order of Magnitude</a>
1.5 Be able to convert units e.g. milli, micro, nano and standard form			
1.6 <i>Core practical - Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations</i>		14-15	<a href="#">Using a Light Microscope</a> <a href="#">Microscope Calculations</a> <a href="#">Using Microscopes</a> <a href="#">Enzyme Function</a>
1.7 Explain the mechanism of enzyme action including the active site and enzyme specificity			
1.8 Explain how enzymes can be denatured due to changes in the shape of the active site		16	<a href="#">Enzyme Graphs</a>
1.9 Explain the effects of temperature, substrate concentration and pH on enzyme activity			<a href="#">Enzymes &amp; Temperature</a>
1.10 <i>Core practical - Investigate the effect of pH on enzyme activity</i>		17	<a href="#">pH and amylase</a> <a href="#">pH and enzymes</a>
1.11 Demonstrate an understanding of rate calculations for enzyme activity			
1.12 Recall biological processes where enzymes are used as a biological catalyst		18	<a href="#">Enzymes in Breakdown and Synthesis</a>
1.15 Explain how substances are transported by diffusion, osmosis and active transport		21	<a href="#">Transport</a>
1.16 <i>Core practical: Investigate osmosis in potatoes</i>			
1.17 Calculate percentage gain and loss of mass in osmosis		22	<a href="#">Osmosis CP</a>

This is where you can RAG rate each topic based on your level of understanding.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# 1. Topic Lists

Topic Lists are available on SMH.

## Science - Separate Higher – Revision Sheet Y10 Jan Mocks

Biology 1 – Separate Science (H)			
Specification Point	RAG	Revision guide page	Video revision Link
<b>Topic 1 – Key Concepts in Biology</b>			
1.1 Explain the structure and function of: a) animal cells b) plant cells c) bacteria		12	<a href="#">Cell Structure</a>
1.2 Describe how specialised cells are adapted to their function, including: a) sperm cells b) egg c) ciliated cells		13	<a href="#">Specialised Cells</a>
1.3 Explain how changes to microscopes have allowed us to see cells better		14	<a href="#">Light &amp; Electron Microscopes</a>
1.4 Calculate magnification		14	<a href="#">Order of Magnitude</a>
1.5 Be able to convert units e.g. milli, micro, nano and standard form			
1.6 <i>Core practical - Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations</i>		14-15	<a href="#">Using a Light Microscope</a> <a href="#">Microscope Calculations</a> <a href="#">Using Microscopes</a> <a href="#">Enzyme Function</a>
1.7 Explain the mechanism of enzyme action including the active site and enzyme specificity			
1.8 Explain how enzymes can be denatured due to changes in the shape of the active site		16	<a href="#">Enzyme Graphs</a>
1.9 Explain the effects of temperature, substrate concentration and pH on enzyme activity			<a href="#">Enzymes &amp; Temperature</a>
1.10 <i>Core practical - Investigate the effect of pH on enzyme activity</i>		17	<a href="#">pH and amylase</a> <a href="#">pH and enzymes</a>
1.11 Demonstrate an understanding of rate calculations for enzyme activity			
1.12 Recall biological processes where enzymes are used as a biological catalyst		18	<a href="#">Enzymes in Breakdown and Synthesis</a>
1.15 Explain how substances are transported by diffusion, osmosis and active transport		21	<a href="#">Transport</a>
1.16 <i>Core practical: Investigate osmosis in potatoes</i>			
1.17 Calculate percentage gain and loss of mass in osmosis		22	<a href="#">Osmosis CP</a>

This shows you the corresponding page in your revision guide.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# 1. Topic Lists

Topic Lists are available on SMH.

## Science - Separate Higher – Revision Sheet Y10 Jan Mocks

Biology 1 – Separate Science (H)			
Specification Point	RAG	Revision guide page	Video revision Link
<b>Topic 1 – Key Concepts in Biology</b>			
1.1 Explain the structure and function of: a) animal cells b) plant cells c) bacteria		12	<a href="#">Cell Structure</a>
1.2 Describe how specialised cells are adapted to their function, including: a) sperm cells b) egg c) ciliated cells		13	<a href="#">Specialised Cells</a>
1.3 Explain how changes to microscopes have allowed us to see cells better		14	<a href="#">Light &amp; Electron Microscopes</a>
1.4 Calculate magnification		14	<a href="#">Order of Magnitude</a>
1.5 Be able to convert units e.g. milli, micro, nano and standard form			
1.6 <i>Core practical - Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations</i>		14-15	<a href="#">Using a Light Microscope</a> <a href="#">Microscope Calculations</a> <a href="#">Using Microscopes</a> <a href="#">Enzyme Function</a>
1.7 Explain the mechanism of enzyme action including the active site and enzyme specificity			
1.8 Explain how enzymes can be denatured due to changes in the shape of the active site		16	<a href="#">Enzyme Graphs</a>
1.9 Explain the effects of temperature, substrate concentration and pH on enzyme activity			<a href="#">Enzymes &amp; Temperature</a>
1.10 <i>Core practical - Investigate the effect of pH on enzyme activity</i>		17	<a href="#">pH and amylase</a> <a href="#">pH and enzymes</a>
1.11 Demonstrate an understanding of rate calculations for enzyme activity			
1.12 Recall biological processes where enzymes are used as a biological catalyst		18	<a href="#">Enzymes in Breakdown and Synthesis</a>
1.15 Explain how substances are transported by diffusion, osmosis and active transport		21	<a href="#">Transport</a>
1.16 <i>Core practical: Investigate osmosis in potatoes</i>			
1.17 Calculate percentage gain and loss of mass in osmosis		22	<a href="#">Osmosis CP</a>

This is a video link to every single concept to act as a mini-lesson.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# 2. Revision Guides

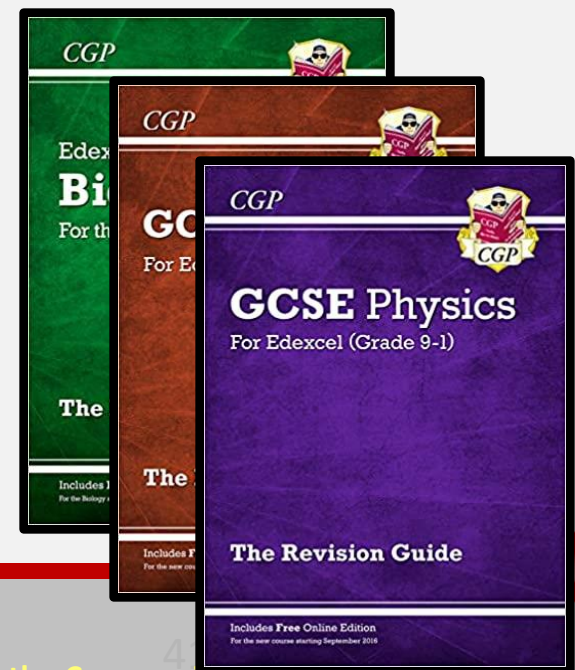
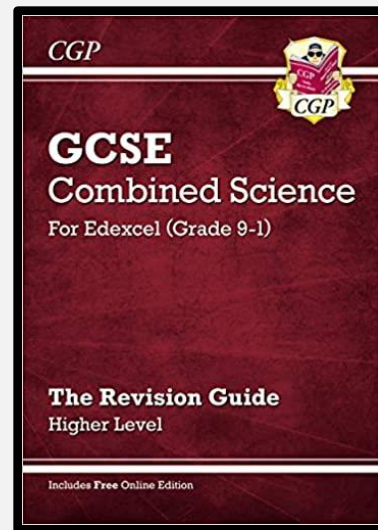
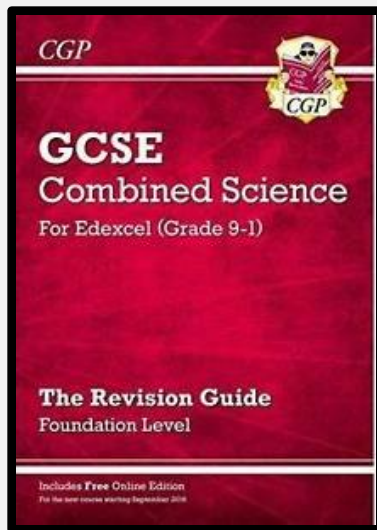
Get your science revision guides on [Parent Pay](#) now!

Please bring your guide every science lesson.

Combined  
Foundation  
£6.00

Combined  
Higher  
£6.00

Separate  
Higher  
£3.15 x 3 = £9.45

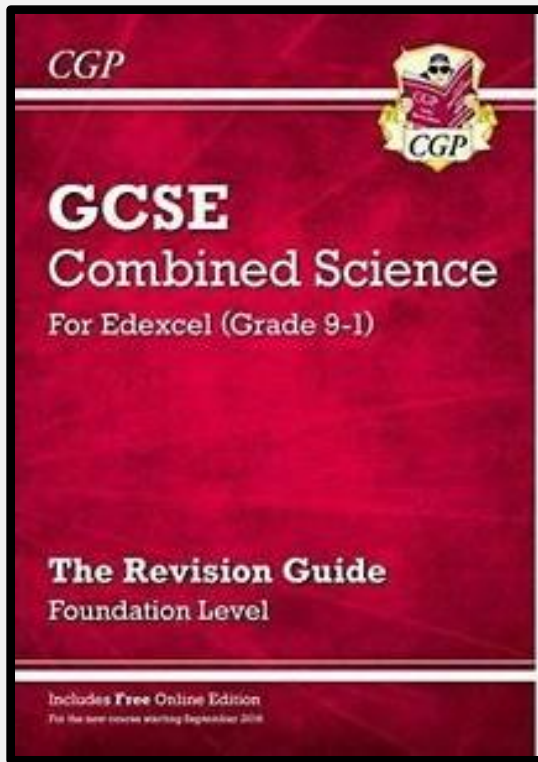


We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# 2. Revision Guides



1. Complete the end of topic questions.

2. Make knowledge dumps.

3. Make question and answer sheets.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# 3. BBA Science YouTube

Type "BBA Science" into YouTube.

**BBA Science**  
@bbascience8458 3.96K subscribers 193 videos  
Welcome to the YouTube channel created by the Science department at Br... >

Subscribe

HOME VIDEOS PLAYLISTS COMMUNITY CHANNELS ABOUT

Videos ▶ Play all

- Halogen reactions - p124 (Foundation p123-124)**  
663 views • 2 years ago
- Halogens - p124 (Foundation p122)**  
415 views • 2 years ago
- Alkali Metal Reactions - p123 (Foundation p121)**  
373 views • 2 years ago
- Alkali Metals - p123 (Foundation p121)**  
384 views • 2 years ago
- Cracking - p140**  
353 views • 3 years ago



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# 4. Homework

## Y10 Homework – Energy

DUE:13/12/23

Q1. The photographs show two ways of supplying thermal energy.  
Use words from the box to complete the sentence under each photograph.

chemical    electrical    kinetic    light    sound

(i) The photograph shows a kettle.

The kettle transfers ..... energy to thermal energy. (1)



(ii) The photograph shows a barbecue.

The barbecue transfers ..... energy to thermal energy. (1)

Q2. Which one of these is a renewable energy source?

(1)

- A coal
- B nuclear
- C oil
- D wind

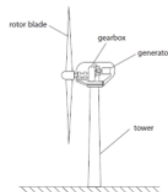
Q3. State **two** non-renewable energy sources. (2)

1 .....

2 .....

Q4. Figure 11 shows a wind turbine.

Explain how unwanted energy transfers could be reduced in the gear box. (2)



Students have been completing and marking exam questions as homework.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Contact

Joe Rogers

Curriculum Leader of Science

[joe.rogers@clf.uk](mailto:joe.rogers@clf.uk)



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Humanities - History

What does history look like at GCSE?

Paper 1: Crime and Punishment in Britain  
with a case study on Whitechapel.



Paper 2: Superpower relations and the Cold War  
and Early Elizabethan England.



Paper 3: USA, conflict at home and abroad  
(Civil Rights and The Vietnam War).



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community





# Humanities - History

## Year 10 Mocks

- Walking talking mocks will take place **in the classroom** during double lessons in the week beginning **5th February**.
- We will be doing half of the **Crime and Punishment** paper (not our Whitechapel section).
- This will cover everything they have studied so far in GCSE history.

- Students will be given a **checklist** on SMHW and **in class** of the topics they will need to cover in their revision. You can also pick up one this evening.
- To revise history, we recommend students do some of the following:
  - Cue Cards / Self-quizzing
  - Mindmaps
  - Planning answers
  - Timelines
  - Homework
  - Senica



We all make **exceptional** things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Humanities - History

## Where the students find revision material?

The screenshot shows a Padlet board for 'GCSE History 2023' with the following categories and content:

- The exams:**
  - Your History exams
    - Paper 1 = Whitechapel and Crime & Punishment, 1 hour 15 minutes
    - Paper 2 = Elizabeth AND Cold War, 1 hour 45 minutes
    - Paper 3 = USA (Civil Rights and Vietnam), 1 hour 20 minutes
  - Exam specification (what you can be tested on)
    - Option 1: Crime and punishment in Britain, 1580-1680 present and Whitechapel, 1580-1680: crime, politics and the inner city
    - Option 2: Elizabethan England, 1550-1600 present
  - How to answer each question
    - Paper 3: Exam of answers to crime and punishment
    - Section A: Whitechapel
    - 40 Describe the features of... (1)
    - Answer 1
    - Answer 2
    - 100% 10
- Revision websites:**
  - Seneca
    - Free Homework & Revision for A Level, GCSE, KS3 & KS2
  - BBC Bitesize
    - bbc.co.uk
    - GCSE History - Edexcel - BBC Bitesize
  - Learn Dojo
- Revision questions:**
  - Cold War
    - Loads of questions
  - Elizabeth
    - 4, 12, 16 markers
  - Civil Rights and Vietnam
- Model answers:**
  - Cold War 30/32
    - Cold War 30 marks
  - Elizabeth 29/32
    - Elizabeth 29 marks
  - Edexcel responses
    - GCSE (9-1) History
- Knowledge summaries:**
  - Elizabeth
    - All Elizabeth K.O.s
  - Elizabeth 2 page summary
    - Elizabeth summary
  - Cold War
    - Cold War revision guide
  - Elizabeth
- Revision books:**
  - Crime & Punishment
    - Crime and Punishment Revision Guide
  - Cold War
    - Cold War revision guide
  - Elizabeth
    - Elizabethan...

[https://padlet.com/david\\_bunnell1/gcse-history-2023-8zpj90zvylgc2m53](https://padlet.com/david_bunnell1/gcse-history-2023-8zpj90zvylgc2m53)



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community



# Humanities - Geography

## The big picture of Geography GCSE:

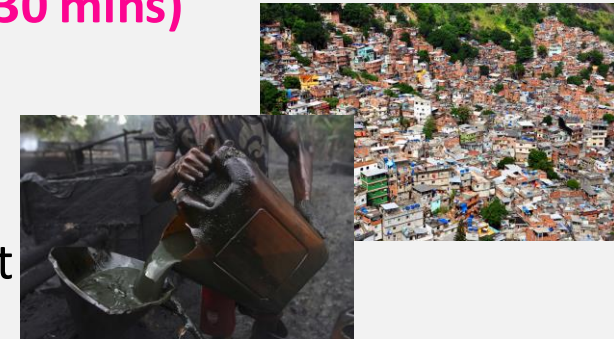
### Paper one – Living with the physical environment (1 hr 30 mins) 35% of the GCSE

- Section A – The challenge of natural hazards
- Section B – The Living World
- Section C – Physical landscapes of the UK – coasts and rivers



### Paper two – Challenges in the human environment (1 hr 30 mins) 35 % of the GCSE

- Section A – Urban issues and challenges
- Section B – Changing economic world
- Section C – The challenge of resource management



### Paper three – Geographical skills (1hr 30 mins) 30% of the GCSE

- Pre-release
- Fieldwork



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Humanities - Geography

## Y10 mocks:

On the week beginning 5th February, you will be sitting your Geography mock.

This is an hour long exam and will be sat closed book within your double lesson.

The topics that it will be on are:

- **Section A – Urban issues and challenges**

- Causes of urbanisation
- Rio de Janeiro case study
- Bristol case study
- Sustainable urban living

- **Section B – Changing economic world**

- Development
  - Indicators
  - Demographic Transition Model
  - Causes and consequences of uneven development
  - Closing the development gap, including Jamaica case study
- Nigeria case study

### Don't forget!

- Bring a calculator – there will be an element of maths in the paper!
- Bring a ruler – you could be asked to draw a line of best fit.



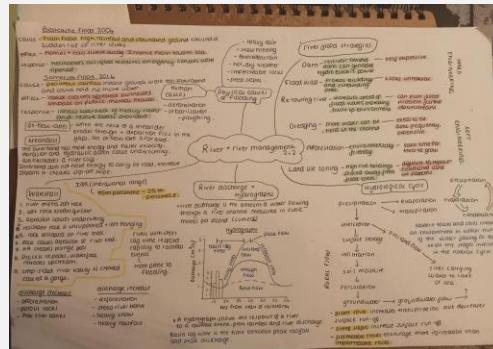
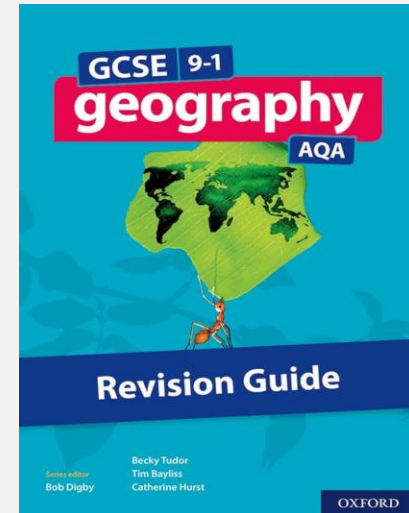
We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Humanities - Geography

## How can you prepare?

- Use the revision checklist given to you at the start of term – there is also a copy on SMHW in case you lose it!
- Use your revision guide – on sale on ParentPay for £6.95.
- Mind maps
- Revision cards
- Past papers – these can be found on the school website.
- Revision websites such as internet geography or cool geography.
- Do all of your homework



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Why is homework important at BBA?



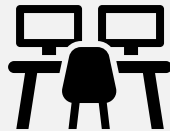
Each homework is linked with the important key terms needed for the lesson.



Homework can result in **five months additional progress** in school.



Learning outside of the classroom time develops **independence.**



Homework is revision and will help you to build **good study habits and routines** needed for subsequent years



We all make **exceptional** things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# How can you support your child as a parent?

The best things you can do to support your child are:

- Make sure your child is eating healthily and has regular exercise.
- Make sure your child is in a regular sleep routine (teenagers should have 8-10 hours of sleep a night).
- Support your child with a revision timetable.
- Use your parent access to show my homework and Tassomai to check they are completing tasks.
- Support with revision e.g. test students using flash cards
- Make sure students have a regular break.



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# MH&W Signposting

## Exam Stress:

<https://www.youngminds.org.uk/young-person/coping-with-life/exam-stress/>

<https://www.mind.org.uk/for-young-people/feelings-and-experiences/exam-stress/>

<https://www.nhs.uk/mental-health/children-and-young-adults/advice-for-parents/help-your-child-beat-exam-stress/>

## Sleep Routines:

<https://teensleephub.org.uk/>

## Anxiety:

<https://www.youngminds.org.uk/parent/parents-a-z-mental-health-guide/anxiety/>

<https://www.nhs.uk/mental-health/children-and-young-adults/advice-for-parents/anxiety-in-children/>

<https://www.annafreud.org/services/services-for-professionals/school-and-college-services/schools-and-colleges-early-support-service/>

## Talking:

<https://www.kooth.com/> - online chat

<https://www.samaritans.org/how-we-can-help/contact-samaritan/talk-us-phone/>

<https://www.childline.org.uk/>



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

# Thank you!

Thank you for coming in!

The team will be around for a short period of time for you to ask any further questions you may have.

- **Craig Jordan** – Careers advisor to talk WEX & college
- **Zakera Chowdhury** – School counsellor to talk MH&W

Year Team Contact details – [bbayear10team@clf.uk](mailto:bbayear10team@clf.uk)



We all make exceptional things happen everyday

Academically | Professionally | Socially | Personally | Within the Community

