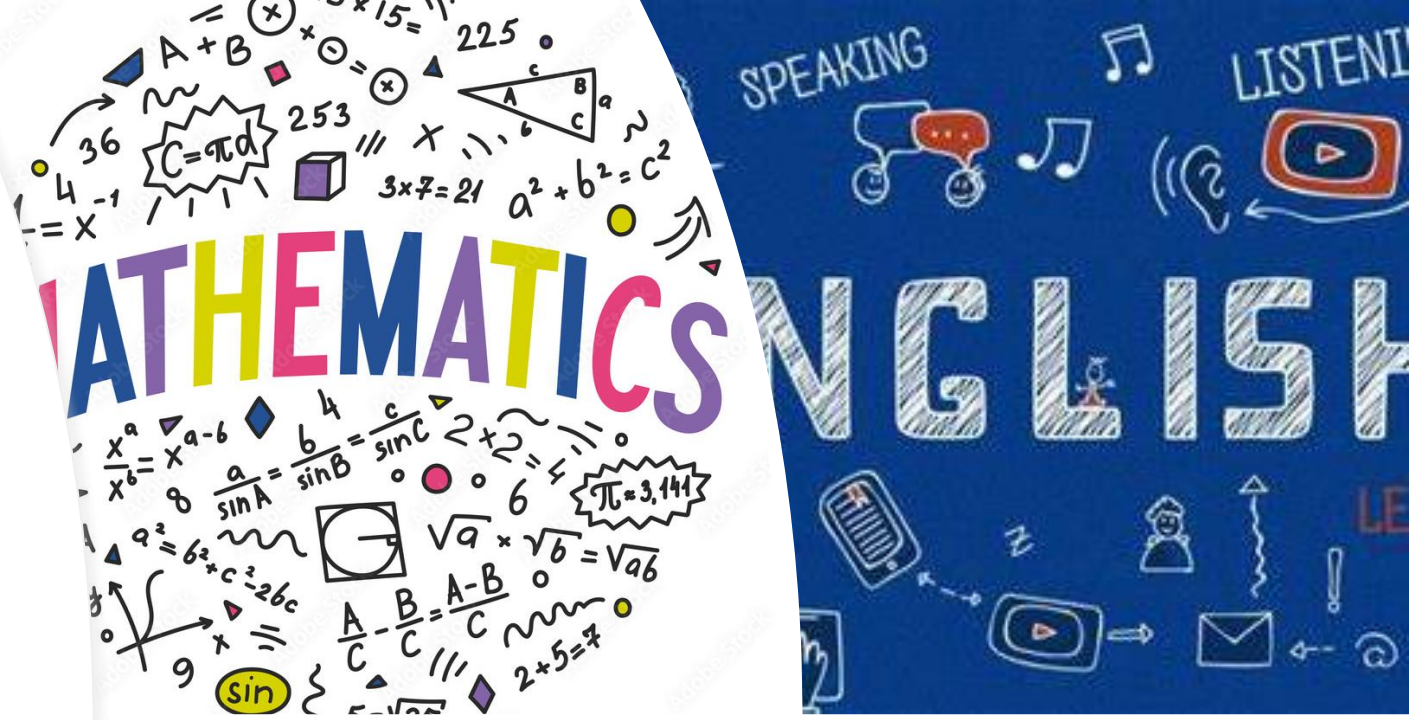


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# Welcome



# Science

- Maths
- English
- Science



# **Mathematics** 1. Next Steps 2. Tiering 3. Revision

# Mathematics 1. Next Steps 2. Tiering 3. Revision

What GCSE Maths grade does your child need for 6<sup>th</sup> form options?

**Psychology**

Grade 5

**Business**

Grade 5

**Economics**

Grade 6

**Biology**

Grade 6

(7 recommended)

**Chemistry**

Grade 6

(7 recommended)

**Computer**

**Science**

Grade 7

(or 6 with 7 in CS)

**Physics**

Grade 7

**Maths**

Grade 7

**Further Maths**

Grade 8

**Core Maths**

Grade 5

- Core Maths is equivalent to half an A-level
- Focus on financial and practical applications
- Supports A-levels such as Economics, Biology, Psychology

**Retakes** for all students below Grade 4

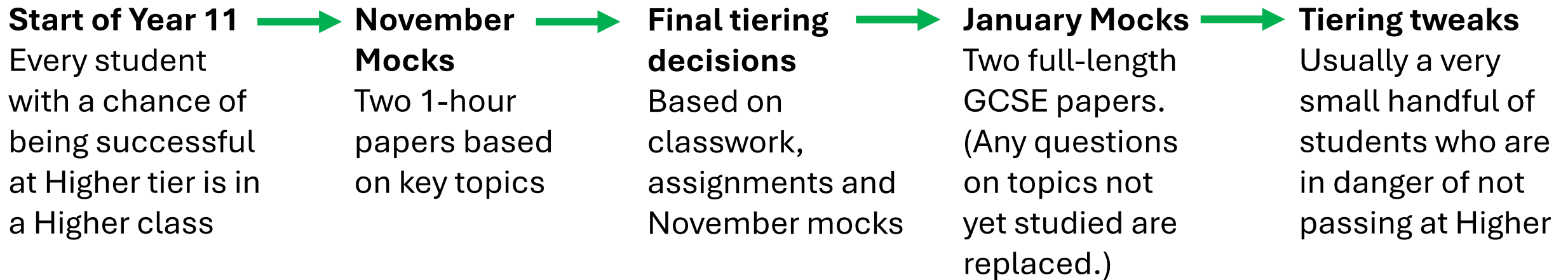
The government requires all students who don't achieve a Grade 4 or above to study eight hours of maths per fortnight at 6<sup>th</sup> Form or College until they have a Grade 4 pass.

# Mathematics 1. Next Steps 2. Tiering 3. Revision

There are two tiers

- **Foundation** (Grades 1 to 5, so up to a 'low B' in old money)
- **Higher** (Grades 5 to 9, where 8 and 9 are the old A\*)

We will enter students for Higher tier unless the evidence from the classwork and assessments suggests there is a danger they will not pass at this level.



(Further Maths GCSE mocks run to a different schedule.

We will send information via ParentMail.)

# Mathematics

## 1. Next Steps 2. Tiering 3. Revision

### Revision homework

There will be revision homework leading up to the November mock.

### Additional independent work

From 21 September

- revision list issued
- ‘November mock revision’ course on DrFrostMaths.com

### Revision guides

On WisePay from Monday.

Please order by 30 September.

### Fingertip Facts

All students will have a Fingertip Facts booklet. This is not a revision guide but an aide memoire of the main topics they’ve covered. It is designed to help them test themselves on key facts.

### After-school sessions

Past paper workshop open to all in Q1 from Tuesday 17 September.

Some students will be invited to targeted revision sessions.

### After the November mock

- Students receive a question-by-question analysis of what to improve for January.
- They will receive another set of revision homeworks.
- We issue past papers for homework from January onwards.

### How to help your child revise

- **Encourage active revision:** memorising facts, practising and MARKING questions.
- **Discourage passive revision:** highlighting revision guides or practising topics they can already do well is pointless.
- **Track what to improve:** encourage them to keep a folder of questions they have got wrong while revising. They should come back to these at regular intervals.
- **Focus on topics, not papers:** at the *start* of Year 11, it is better to address weak spots than get distracted by spending a lot of time on past papers.

# Year 11 English Language and Literature

## Everything you need to know

- For English, students are awarded two separate grades: English Language and English Literature.
- Students sit two papers in each qualification.
- **This is 100% examination;** there are no controlled assessments.
- **There are no tiers of entry;** all students will sit the same paper.
- Literature exams are **closed book-** students need to learn key quotations

English Year 10	English Year 11
<ul style="list-style-type: none"> <li>• Literature: <i>Lord of the Flies/ An Inspector Calls</i></li> <li>• Literature: <i>Macbeth</i></li> <li>• Literature: Poetry</li> <li>• Language Paper 1: Reading and Writing fiction texts.</li> <li>• Language Paper 2: Writing non-fiction texts</li> <li>• Spoken Language Endorsement</li> </ul>	<ul style="list-style-type: none"> <li>• Literature: <i>A Christmas Carol/ Frankenstein</i></li> <li>• Unseen poetry</li> <li>• Language Paper 2: Reading non-fiction texts</li> <li>• Revision: Language and Literature</li> </ul>

This is where we are up to in our coverage of the two GCSEs.

**Talk to them** about the texts they have been studying – discussing texts out loud helps knowledge to stick!

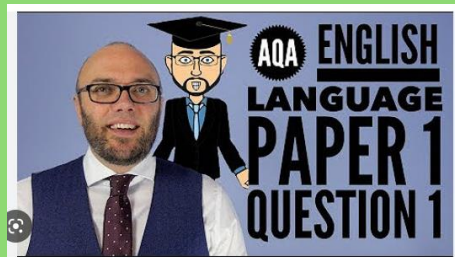


Encourage them to attend our **revision sessions** in the Spring Term. Dates to follow.



**How can you support your child to revise?**

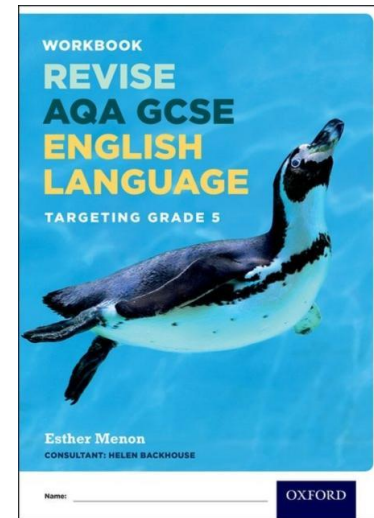
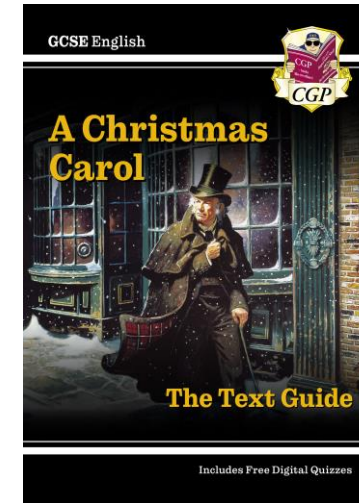
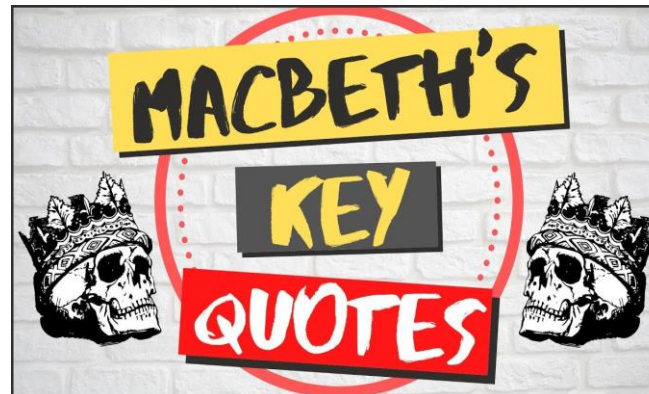
**Direct them to Mr Bruff** on YouTube. He has lots of useful tutorials.



Help them to learn the new **vocabulary** we have taught.

However, please encourage students to be cautious when using online resources – not all English teacher ‘gurus’ are giving the right advice. **Ask students to check their advice with us!**

**Test students on their quotations** from their texts. Allow students to stick key quotations around the house!



Direct them to their **revision guides** – more on sale this term!

**Direct them to Educake**

Students can access the revision materials for AQA GCSE Literature and Language.

Encourage them to come and talk to us and give us practice essays to mark. We want to help!

# Science at SWCHS



Pearson  
Edexcel

# Triple Science

Working towards three separate GCSEs in:

○ **Biology**

○ **Chemistry**

○ **Physics**

**Summer exams:** 2 x 1h45m papers in **each subject**

**Mocks:** Students will sit Paper 1 in **each science** in either November **or** January (order tbc)

# Combined Science

Working towards 2 GCSEs built from **biology**, **chemistry** and **physics** topics

**Summer exams:** 2 x 1h10m papers in each subject (6 in total)

(2 x **biology**, 2 x **chemistry** and 2 x **physics**)

**November mocks:** 3 x 1h papers (from Year 10 and Autumn term Year 11)

**January mocks:** 3 x shorter papers (from Year 10 and Autumn term Year 11)

# Combined Science – Which Tier?

ALL HIGHER PAPERS

<b>9/9</b>	<b>9/8</b>	<b>8/8</b>	<b>8/7</b>	<b>7/7</b>	<b>7/6</b>	<b>6/6</b>	<b>6/5</b>	<b>5/5</b>	<b>5/4</b>	<b>4/4</b>						
								<b>5/5</b>	<b>5/4</b>	<b>4/4</b>	<b>4/3</b>	<b>3/3</b>	<b>3/2</b>	<b>2/2</b>	<b>2/1</b>	<b>1/1</b>

ALL FOUNDATION PAPERS

# Combined Science – Which Tier?

**Tier must be the same for all 3 sciences**

ALL HIGHER PAPERS

9/9	9/8	8/8	8/7	7/7	7/6	6/6	6/5	5/5	5/4	4/4						
								5/5	5/4	4/4	4/3	3/3	3/2	2/2	2/1	1/1

ALL FOUNDATION PAPERS

**Final decisions to be made after January mocks.**

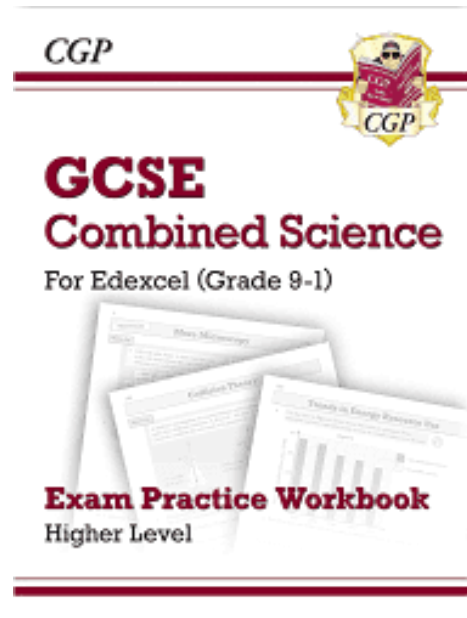
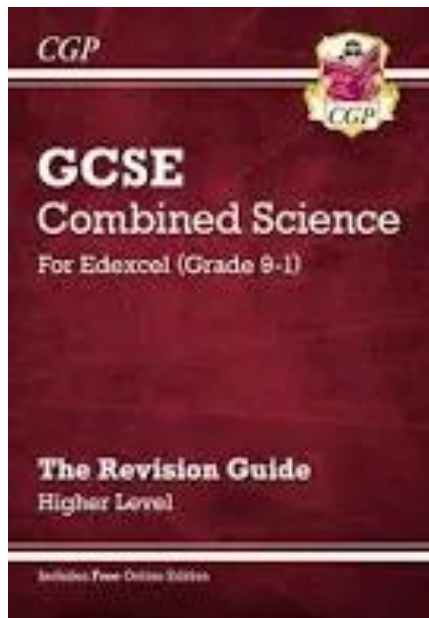
**Students are in science classes with students who are likely to do the same tier but this is constantly being reviewed**

# Entry Level Science

- ▶ Taught alongside Combined Science for some students working up to Grade 3 or 4
- ▶ More “chunked approach assessed by small in-class tests
- ▶ Internally assessed

# Preparation and support at home

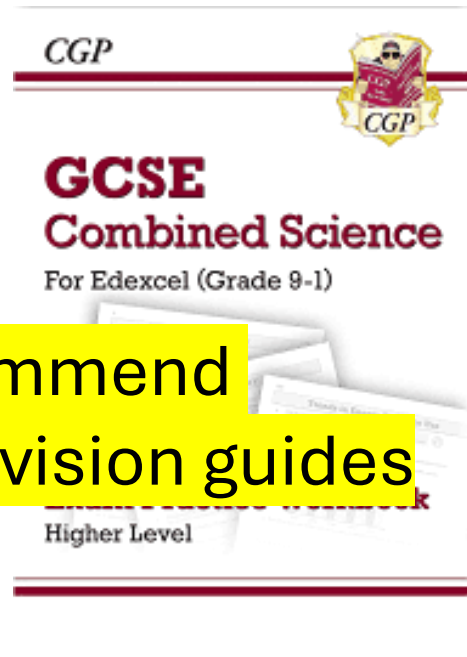
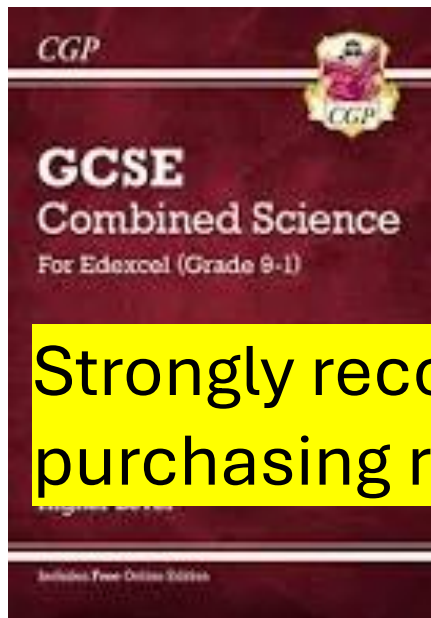
- ▶ **Use lesson time...this is key!!!!** Our curriculum design builds in revision time. Focus in lessons is essential
- ▶ Targeted revision sessions will be held later in the year



Fuse  
School

# Preparation and support at home

- ▶ **Use lesson time...this is key!!!!** Our curriculum design builds in revision time. Focus in lessons is essential
- ▶ Targetted revision sessions will be held later in the year



Strongly recommend purchasing revision guides



Educake



Fuse School

## 1 - Choose the Subject

Biology

Chemistry

Physics

## 2 - Choose the Unit

1 - Key Concepts in Chemistry

2 - States of Matter and Mixtures

3 - Chemical Changes

4 - Extracting Metals and Equilibria

5 - Separate Chemistry 1

6 - Groups in the Periodic Table

7 - Rates of Reaction and Energy Changes

8 - Fuels and Earth Science

9 - Separate Chemistry 2

Chemistry Practicals

- Teacher-set homework
- Teacher-set mock revision
- Independent revision
- Teachers will select and set Educakes after mocks based on performance.

Please support with log-in / checking / encouraging students to use resources and links and to resit quizzes

# Science

## Dr M Gwyer

[mgwyer@swchs.net](mailto:mgwyer@swchs.net)

**Director of Science**

# Exam board information

Subject	Board	Entry Code
<b>GCSEs</b>		
ART & DESIGN	AQA	8201
ART & DESIGN: 3D Design	AQA	8205
A&D: 3D DESIGN (Graphics)	Edexcel	1TD0
A&D: TEXTILE DESIGN	Edexcel	1TE0
BIOLOGY	Edexcel	1BI0H
BUSINESS	AQA	8132
CHEMISTRY	Edexcel	1CH0H
COMBINED SCIENCE	Edexcel	1SC0F/H
COMPUTER SCIENCE	AQA	8525B
DANCE	AQA	8236
DESIGN & TECHNOLOGY: METALS	Edexcel	1DT0A
DESIGN & TECHNOLOGY: TIMBERS	Edexcel	1DT0F
DRAMA	WJEC	C690QS
ENGLISH LANGUAGE	AQA	8700
ENGLISH LITERATURE	AQA	8702
FOOD PREPARATION & NUTRITION	AQA	8585
FRENCH	AQA	8658F/H
GEOGRAPHY	AQA	8035

GERMAN	AQA	8668F/H
HISTORY	AQA	8145HL
LATIN	WJEC	C990PB
MATHS	Edexcel	1MA1F/H
MUSIC	WJEC	C660QS
PHYSICAL EDUCATION	AQA	8582
PHYSICS	Edexcel	1PH0H
RELIGIOUS STUDIES	AQA	8062MA
SPANISH	AQA	8698F/H
<b>BTEC Tech Award Level 1/2</b>		
DIGITAL INFORMATION TECHNOLOGY	Pearson	RIT3
<b>Cambridge Nationals Level 1/2</b>		
HEALTH & SOCIAL CARE	OCR	J835
<b>Level 2 Certificate</b>		
FURTHER MATHS	AQA	8365
<b>Entry Level Certificate</b>		
ELC Further Science	Edexcel	NSF0
ELC Science	Edexcel	NSC0