



Great Marlow School

Excellence • Compassion • Integrity



► **YEAR 12**

Mock Exam Information **2025**



Subjects, Topics and Revision

PREPARING FOR YEAR 12 EXAMINATIONS

Students will be sitting a number of mock examinations in each of their subject areas in June 2025.

The examinations will vary in length depending on the subject.

These examinations will contain questions on topics that the students have been taught in class.

In this booklet you will find details of the material that is being assessed in each subject area and information regarding the structure of the paper and appropriate revision resources.

Subject teachers will support students in preparing their revision for these Year 12 examinations.

REVISION

To support your preparation for the assessments you will need to revise. Use a range of strategies to support your revision. Try and put in place a timetable and set daily manageable goals. Revision is one way of preventing or at least limiting the stress that all students feel in the run up to examinations.

REVISION TIPS

- Pace yourself. It is difficult to retain knowledge if you leave it to the last minute.
- Set manageable goals.
- Don't over revise for long periods of time. 30 minutes and then a 15 minute break will be better than 2 hours non-stop in terms of the knowledge that you retain.
- Organise a place and location where you know you will work well. Make sure that it is quiet and avoid distractions.
- Listen to music. Maybe! If it helps you concentrate then listening to music can help.
- Reward yourself, at the end of a 30 minute revision session, at the end of a revision day or at the end of your revision week. Of course, the biggest reward for those who revise is normally the result they achieve from the work put in.
- Use technology wisely – a full technology blackout is probably not a good idea because of the range of revision resources available to you. However, the ratio should be 35 minutes of revision to 5 minutes of social media.
- Test yourself or get others to. This way you are likely to retain the knowledge for longer, because there is a reason to do so.
- If it helps use colour – colour coding helps the brain retain key information for longer.

REVISION STRATEGIES

TRY SOME, OR ALL, OF THESE STRATEGIES TO HELP WITH YOUR REVISION

RETRIEVAL PRACTICE

Practice recalling information from memory, it achieves better results. Retrieval practice is remembering information without having it in front of you.

HOW IT WORKS

In recent years cognitive psychologists have been comparing retrieval practice with other methods of studying. What they have found is that nothing cements long-term learning as powerfully as retrieval practice.

Write it Down

Try writing down everything you know about a topic. Then go back and check to see what you have missed.

Partner Up

Get together with a friend and write down everything you can remember about a topic. Compare notes and see what's missing.

Flash Cards

Make some flash cards, then turn them over and try recalling the information on them.



INTERLEAVING

Interleave your revision to help you remember more. Interleaving is the theory that revising more than one topic in each revision session will help you make better links between them.

HOW IT WORKS

Interleaving strengthens memory association. The brain is continuously engaged by retrieving different responses and bringing them into short-term memory. Repeating that process can reinforce connections between different tasks and connect responses, which enhances learning.

Switch

Switch between topics during each session.

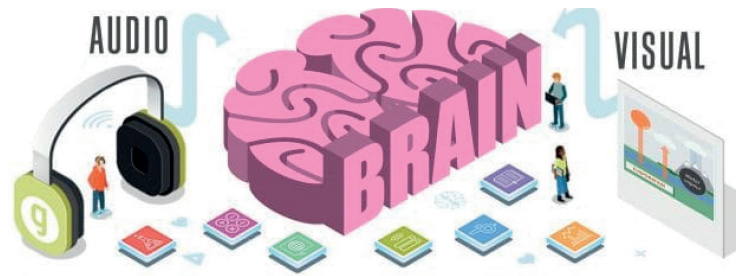
Review in Different Orders

When reviewing, challenge your brain to place the information in different scenarios to anticipate examination-type questions.

Make links to Remember More

Try to make links between ideas and review your revision ideas.





DUAL CODING

Dual coding is a strategy that improves knowledge retention through combining visual images with words.

HOW IT WORKS

Simplifying complex ideas by linking words and visuals improves encoding. This will help you remember more and, most importantly, you will then be able to recall the information better in an exam.

Compare Words to Visuals

Look at visuals and compare them to words in your notes.

Explain in Your Own Words

Look at an image, diagram, graph or timeline and explain in your own words what information is being conveyed.

Turn Your Notes into Visuals

Take the information you are trying to learn and draw visuals to represent it. This will make it easier to recall when you are reviewing revision notes.

SPACED PRACTICE

Revise, rest, repeat...space out your revision for better results. Spaced practice is the theory that states short, sharp bursts of learning are more effective than cramming just before the exam.

HOW IT WORKS

Combine spaced revision with retrieval practice for best results. Self-test during a number of revision sessions until you can accurately recall the target information from memory.

Mind Mapping -After Class

Write down everything you know about a topic straight after a lesson, or after a revision session.

Review your Maps - a Few Hours Later

A few hours later, cover your mind map and see how much you can remember. Highlight any information you couldn't remember and revise it again.

Memory Cards

Create memory cards with answers on the back and test your knowledge. Repeat at regular intervals.



ART AND DESIGN



In Art & Design students follow a diverse curriculum which develops each student's portfolio for the final coursework assessment in Year 13.

The coursework projects and externally set task form the total of the assessed elements in Art & Design.

There are no Year 12 Summer Mock Exams in this subject. Communication about assessments has already been sent home to the relevant parents/carers.

The bigger picture: final examinations in May/ June of Year 13 – you will take 2 papers in total.

Paper 1

Paper 2

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Mock Exams will be based on the OCR AS specification

Breadth in Biology 01 - 1 hour 30 minutes, 70 marks worth 50% of total mark.

Assesses content from all four topics

Depth in Biology 02 - 1 hour 30 minutes, 70 marks worth 50% of total mark.

Assesses content from all four topics

TOPICS:

- 1. Practical skills in Biology**
- 2. Foundations in Biology**
- 3. Exchange and Transport**
- 4. Biodiversity, Evolution and Disease**

HOW TO REVISE

Approach revision in this order and only move on to the next stage when you are super confident.

1. Revisit the content (videos/knowledge organisers)
2. Memorise the content (rehearse the information: carousel/flashcards/mind-maps)
3. Practice recall (quizzes/carousel/revision mat)
4. Practice exam application

USEFUL REVISION GUIDES

[Revisely](#) (videos, questions by topic, past papers)

[Physics and Maths Tutor](#) (flashcards, notes, questions by topic)

[Save my exams](#) (notes and summaries –limited access each day)

[Past papers](#) – CHECK THEY ARE AS LEVEL

The bigger picture: final examinations in May/ June of Year 13 – you will take 3 x 2 hour papers in total.

Paper 1: Covering all Course Content.

Featuring 15 multiple choice questions, 35 marks worth of calculation/short answer questions and two x 25-mark open questions.

Paper 2: Covers all Course Content.

Case study based, covering a range of short answer, 9 and 16-mark questions.

Paper 3 : Covers all Course Content.

6 questions, most are based on a case study insert. The value for the answers range from 12 marks to 24 marks (for an open question). The focus is on analysis and evaluative skills.

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

AQA AS level Business Paper 1 (1 hour 30 minutes). We are sitting an AS level exam because you haven't yet covered the Year 13 content to sit the A-level papers yet.

Taught by Miss Sawney	Taught by Mrs Broadbent
3.1.1 Nature and purpose of business	3.2.1 Management, leadership and decision making
3.1.2 Different business forms	3.2.3 The role and importance of stakeholders
3.1.3 Business and the external environment	3.4.5 Managing inventory and supply chains
3.3.1 Setting marketing objectives	3.5.1 Setting financial objectives
3.3.2 Understanding markets and customers	3.5.2 Analysing financial performance
3.3.3 Segmentation, targeting and positioning	3.5.3 Sources of finance
3.3.4 Using the marketing mix (7Ps)	3.5.4 Improving cash flow and profits
3.4.1 Setting operational objectives	3.6.1 setting human resource objectives
3.4.2 Analysing operational performance	3.6.2 Analysing human resource performance
3.4.3 Increasing efficiency and productivity	3.6.3 Improving organisational design and managing HR flow
3.4.4 Improving quality	3.6.4 Improving motivation and engagement
	3.6.5 Improving employer-employee relations

REVISION

The course code for the AS Specification is 7131. The full A-level course code is 7132, which has content that will be taught in Year 13. These sites will have examination practice papers you can use.

Revise using the guidance given in your books and by your teachers. Don't forget to use the topic videos that we have filmed for you, which complement the subject matter found in Seneca and on the AQA website.

Remember with revision – 30 minutes intensive before having a break. Keep revision varied with plenty of testing to ensure you are secure with the knowledge.

[Tutor2u Business Resources](#)

[Tutor2u YouTube Page](#)

Materials (including our filmed video links) can also be found under MS Teams files for your class or on the [Student Share Library](#)

The bigger picture: final examinations in May/ June of Year 13 – you will take two papers in total.

Paper 1

Paper 2

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Mock Exams will be based on the OCR AS specification Chemistry A (H032)

Students must complete both components 01 and 02 to be awarded the OCR AS-level in Chemistry A

Breadth in Chemistry 01 - 1 hour 30 minutes, 70 marks worth 50% of total mark.

Assesses content from all four modules

Depth in Chemistry 02 - 1 hour 30 minutes, 70 marks worth 50% of total mark.

Assesses content from all four modules

NB: Both components include synoptic assessment

CONTENT OVERVIEW

Content is split into four teaching modules:

Module 1 - Development of practical skills in chemistry

Module 2 - Foundations in chemistry

Module 3 - Periodic table and energy

Module 4 - Core organic chemistry

TOPICS:

1. Practical skills in Chemistry

2. Foundations in Chemistry

3. The Periodic Table And Energy

4. Core Organic Chemistry

HOW TO REVISE

Approach revision in this order and only move on to the next stage when you are super confident.

1. Revisit the content (videos/knowledge organisers)
2. Memorise the content (rehearse the information: carousel/flashcards/mind-maps)
3. Practice recall (quizzes/carousel/revision mat)
4. Practice exam application

USEFUL REVISION GUIDES

[Revisely](#) (videos, questions by topic, past papers)

[Physics and Maths Tutor](#) (Flashcards, Notes, Questions by Topic)

[Save my exams](#) (Notes and summaries – Limited access each day)

[Past papers](#) – CHECK THEY ARE AS LEVEL

ANCIENT HISTORY

The bigger picture: final examinations in May/June of Year 13 – you will take 2 papers in total.

Paper 1: Sparta and the Greek World (135 minutes)

Paper 2: The Eleven Caesars (135 minutes)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Papers: Paper 1 – Greek (75 mins)
Paper 2 – Roman (75 mins)

Paper structure: each paper will consist of:

- One 45-minute essay to be answered from a choice of two
- A compulsory 30-minute interpretation question

(To see what the structure looks like, see the left-hand side of any of the sample papers in your course Handbook.)

POSSIBLE TOPICS - Paper 1

Greek essays:

Greco-Persian Wars; the Pentecontaetia; the causes of the Peloponnesian War and the Archidamian War.

Greek interpretation question:

The reasons for the victory over the Persians; the causes of the Peloponnesian War in 431 BC.

(For more detail, see p11 of your course handbook.)

POSSIBLE TOPICS - Paper 2

Roman essays:

Opposition; the Imperial Cult; the Emperors' relations with different groups.

Roman interpretation question:

The extent to which Augustus restored the Republic; the character and actions of Tiberius; the character and actions of Caligula.

(For more detail, see p55 of your course handbook.)

POLITICS

The bigger picture: final examinations in May/June of Year 13 – you will take 3 papers in total.

Paper 1: UK Politics and Core Political Theories (120 minutes)

Paper 2: UK Government and Non-Core Political Theories (Nationalism) (120 minutes)

Paper 3: Comparative Politics (The USA) (120 minutes)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Papers: Paper 1 – UK Politics (90 minutes)
Paper 2 – UK Government and Comparative Politics (105 minutes)

Paper Structure – Paper 1:

- A compulsory 45-minute source question on UK Politics
- A compulsory 45-minute essay on UK Politics

(For examples, see the yellow section in your course handbook.)

POSSIBLE TOPICS - Paper 1

- Democracy and participation
- Political parties
- Electoral systems
- Voting behaviour and the media.

(For more detail, see pp7-9 of your course handbook.)

Paper Structure – Paper 2:

- A compulsory 40-minute source question on UK Government
- A compulsory 40-minute essay on UK Government
- A 25-minute comparative question on the UK and the USA

(For examples, see the pink and blue sections of your course handbook.)

POSSIBLE TOPICS - Paper 2

UK Government:

- The constitution
- Parliament
- Prime Minister and executive

(For more detail, see pp35-37 of your course Handbook.)

Comparative Politics:

- The US Constitution and federalism

(For more detail, see p63 of your course Handbook.)

LAW

The bigger picture: final examinations in May/June of Year 13 – you will take 3 papers in total.

Paper 1: Legal System and Criminal Law (120 minutes)

Paper 2: Law Making and Tort Law (120 minutes)

Paper 3: The Nature of Law and Human Rights Law (120 minutes)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Papers: Paper 1 – Legal System and Criminal Law (120 minutes)

Paper 2 – Law Making (30 minutes)

Paper Structure:

- A 12-minute 'describe' and an 18-minute 'discuss' question on the legal system
- A choice from two sets of paired 30-minute Scenarios on Criminal Law
- A compulsory 30-minute Essay on Criminal Law

(To see what the structure looks like, see pp12-15 or pp16-17 of your course Handbook.)

POSSIBLE TOPICS - Paper 1

Legal System:

Court jurisdiction; juries; sentencing; legal personnel; civil courts; adr; judges

Criminal Law (scenario):

Involuntary manslaughter; theft; robbery and burglary; attempts; murder

Criminal Law (essay):

Non-fatal offences against the person; consent; intoxication; self-defence

(For more detail, see pp12-13 of your course Handbook.)

LAW MAKING - Paper 2

Paper structure:

- A 12-minute Describe and an 18-minute Discuss question on Law Making.

(To see what the structure looks like, see p40 or p42 of your course Handbook.)

POSSIBLE TOPICS - Paper 2

Law Making:

Legislation; Delegated Legislation; Statutory Interpretation; Precedent

(For more detail, see p38 of your course Handbook.)

The bigger picture: final examinations in May/June of Year 13 – you will take 1 paper in total.

Paper 1: Text in Performance (2 hours and 30 minutes, worth 40% of qualification)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Text in Performance

Section A- Machinal, Sophie Treadwell - one written pre-1956 - open book: clean copies (no annotation)

Interpretation of character (eg through motivation and interaction)

- Vocal and physical performing skills including interaction
- How performance texts are constructed to be performed, conveying meaning through:
 - structure
 - language
 - stage directions
 - rehearsal techniques

Interpretation of design elements including:

- sound
- lighting
- set and props
- costume
- hair
- make-up

Section B- Accidental Death of an Anarchist, Dario Fo - one written post-1956- open book: clean copies (no annotation)

An essay question on the chosen set text from the pre-1956 list, demonstrating how the text can be adapted for a contemporary audience as actors, designers and directors.

Students should consider:

- The social, historical and cultural context of the text (e.g. the original performance conditions)
- The influence of contemporary theatre practice
- How performance texts are constructed to be performed, conveying meaning through:
 - structure
 - language
 - style of text
- How live theatre, seen as part of the course, influences their decision making and understanding of how drama and theatre is developed and performed
- How the text approaches its theme.

Section C- The Curious Incident of the Dog in the Night-Time, Mark Haddon, adapted by Simon Stephens.

Closed book: the extract of text required for answering the questions will be printed on the examination paper.

Students will be expected to approach the text as theatre performers, directors and designers.

Students should consider:

- The impact of different stages (proscenium arch, theatre in the round, traverse, and thrust)
- Character positioning and movement/proxemics
- Design elements including:
 - sound
 - lighting
 - set and props
 - costume,
 - hair
 - make-up
- How live theatre, seen as part of the course, influences their decision making and understanding of how drama and theatre is developed and performed.

REVISION RESOURCES

Printed resources- past paper exam questions, mark schemes, examiner reports, exemplar responses

The bigger picture: final examinations in May/ June of Year 13 – you will take 3 papers in total.

Paper 1 – Exploring Non-Fiction and Spoken Texts (1 hour)

Paper 2 – The Language of Poetry and Plays (2 hours)

Paper 3 – Reading as a Writer, Writing as a Reader (2 hours)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1 – Exploring Non-Fiction and Spoken Texts (1 hour)

Paper 2 – The Language of Poetry and Plays (2 hours)

Paper 3 – Reading as a Writer, Writing as a Reader (2 hours)

Paper 1 – Exploring Non-Fiction and Spoken Texts - 32 Marks (16% of A-level qualification)

You will answer one essay question asking you to compare one of the non-fiction texts from the OCR anthology with one unseen non-fiction written or spoken text.

You will have a blank copy of the two texts in the exam.

Paper 2 – The Language of Poetry and Plays - 64 Marks (32% of A-level qualification)

Section A (Poetry: Stylistic Analysis)

You will answer one essay question asking you to explore how Jacob Sam-La Rose presents a certain theme in a chosen poem from his collection *Breaking Silence*. You also have to make connections with one or two other poems from the collection.

The chosen poem will be provided for you as a blank copy. The rest of the poetry collection **will not be provided** in the exam.

Section B (Dramatic and Stylistic Analysis)

You will answer one essay question on Jez Butterworth's *Jerusalem*.

You will be provided with an extract from the play and asked to write about its significance within the play and any relevant dramatic or other contexts.

Paper 3 – Reading as a Writer, Writing as a Reader - 64 Marks (32% of A-level qualification)

Section A (Reading as a Writer)

You will have a choice of two questions to answer on Chinua Achebe's *Things Fall Apart*. You must answer **one** of these questions.

You will have a blank copy of the novel in the exam. There will be no specific extract for you to focus on.

Section B (Writing as a Reader)

There are **two** questions in Section B.

The first question (18 marks) requires you to write the opening of a narrative. You will be provided with a six bullet point summary of the narrative you're required to write.

You should write approximately 500 words.

The second question (14 marks) asks you to write a commentary on the narrative opening that you have produced. You will need to explain the narrative and linguistic choices you made in response to the prompts.

You should write approximately 250 words.

REVISION RESOURCES

Reread Jerusalem and Things Fall Apart.

Use the revision guides in the 'Class Materials' section of your class MS Teams group.

Past papers and advice can be found here: <https://www.ocr.org.uk/qualifications/as-a-level-gce/english-language-and-literature-emc-h074-h474-from-2015/assessment/>

Go through your annotations of the non-fiction anthology and Breaking Silence.

Use YouTube and Massolit to hear new interpretations of the set texts.

ENGLISH LITERATURE

The bigger picture: final examinations in May/ June of Year 13 – you will take 2 papers in total.

Paper 1: Love through the Ages (3 hours)

Section A: Shakespeare: one passage-based question with linked essay (25 marks)

Section B: Unseen poetry: one essay question on two unseen poems (25 marks)

Section C: Atonement and the Poetry Anthology: one essay question linking the two texts. (25 marks)

Paper 2: Modern Times: Literature from 1945 to the Present Day (2 hours, 30 minutes)

Section A: Feminine Gospels: one essay question on the poetry collection (25 marks)

Section B: Unseen Prose: one essay question on unseen prose (25 marks)

Spies and Cat on a Hot Tin Roof: one essay question linking the texts (25 marks)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Love through the Ages (2 hours)

Section B: Unseen poetry: essay question on two unseen poems (25 marks)

Section C: Comparing texts: one essay question comparing Atonement and the Poetry anthology (25 marks)

Paper 2: Modern Times: Literature From 1945 To The Present Day (1 hour, 40 minutes)

Section B: One question on unseen prose (25 marks)

One essay question comparing Spies and Cat on a Hot Tin Roof (25 marks)

USEFUL REVISION

Find resources on Teams, YouTube, Massolit, KS5 Literacy Foundation

The bigger picture: final examinations in May/ June of Year 13 – you will take 3 papers, including a separate writing exam and a speaking exam.

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Listening, Reading & Writing (1 hour and 45 mins)

Section A: Listening and Writing

Section B: Reading, Writing and Translation (into English)

TOPICS

- The changing nature of family
- The cyber-society
- The place of voluntary work
- A culture proud of its heritage
- Contemporary francophone music
- Cinema: the 7th art form

REVISION STRATEGIES

- Revise all topics and language skills with Kerboodle; digital textbook, listening and reading files and vocabulary learning tasks.
- Use AQA AS French past papers from your teacher/online; mark schemes, sound files and transcripts.
- Remember the importance of active revision not just reading!
- Regular French independent learning and revision: news articles (Le Monde, 20 minutes), music, TV/film with subtitles etc - little and often!
- Use of Hodder revision guide and Quizlet etc

The bigger picture: final examinations in May/ June of Year 13 – you will take 3 papers in total.

- **Paper 1: Physical Systems (90 mins)**
- **Paper 2: Human Interactions (90 mins)**
- **Paper 3: Geographical Debates (150 mins)**

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Physical Systems (90 mins)

Section A. Option A - Coastal Landscapes

- 1.1 - How can coastal landscapes be viewed as systems?
- 1.2 - How are coastal landforms developed?
CS - North Yorkshire and Nile Delta
- 1.3 - How do coastal landforms evolve over time as climate changes?
CS - Sandbanks and Mangawhai-Pakiri

Section B. Earth's Life Support Systems

- 4.1 – How important are water and carbon to life on Earth?
- 4.2 – How do the water and carbon cycles operate in contrasting locations?
CS – Amazon rainforest
CS – Arctic Tundra
- 4.3 – How much change occurs over time in the water and carbon cycles?
- 4.4 – To what extent are the water and carbon cycles linked?

Paper 2: Human Interactions (90 mins)

Changing Spaces, Making Places

- 5.1 – What's in a place?
CS - Toxteth and Lympstone
- 5.2 – How do we understand place?
- 5.3 – How does economic change influence patterns of social inequality in places?

CS - Jakarta and California

- 5.4 – Who are the players that influence economic changes in places?

CS - Birmingham

- 5.5 – How are places created through placemaking processes?

CS – Barcelona

Option B: Migration

- 7.1 – What are the contemporary patterns of global migration?
- 7.2 – Why has migration become increasingly complex?
CS – USA, Brazil, and Laos
- 7.3 – What are the issues associated with unequal flows of global migration?

Option C: Human Rights

- 8.1 – What is meant by the term human rights?
- 8.2 – What are the variations in women's rights?
CS – India
- 8.3 – What are the strategies for global governance of human rights?
CS – Afghanistan
- 8.4 – To what extent has intervention in human rights contributed to development?
CS - DRC

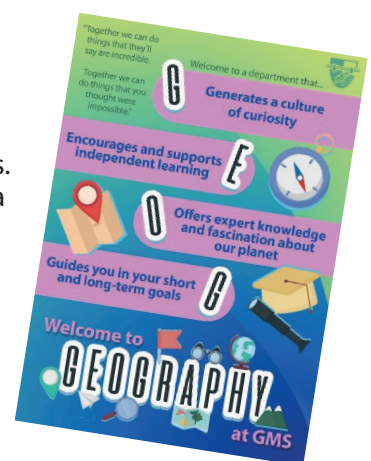
A MESSAGE FROM THE GEOG SQUAD!

You have worked so hard to get yourself in the best position for these mock exams. You need to believe to achieve! Positive, Mental, Attitude (P.M.A) will put you in a great position too.

There is no secret to success. W.H.A.R = Work Hard and Revise.

Make use of your teachers, your lessons, your Teams page, your revision guides & sessions, and your geography resource area.

Follow the squad @gmsgeogsquad



The bigger picture: final examinations in May/ June of Year 13 – you will take 3 papers in total.

Paper 1: Wars of the Roses (1 hour 30 minutes)

Paper 2: Germany (1 hour)

Paper 3: Tudor Foreign Policy (2 hour 30 minutes)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Germany (1 hour)

You will answer one 10 mark question and one 20 mark essay question from a choice of two on the following content:

- The establishment and development of the Weimar Republic: 1919 – January 1933
- The establishment of the Nazi Dictatorship and its domestic policies February 1933 – 1939
- The impact of war and defeat on Germany: 1939–1949
- Divided Germany: The Federal Republic and the DDR 1949–1963

Paper 2: Tudor Foreign Policy (1 hour 45 minutes)

Section A - Your 30 mark compulsory interpretation question will be on the depth study:

- Loss of Calais

Section B - You will answer one 25 mark essay question from a choice of three taken from the following thematic topics:

- The aims and methods of Tudor foreign policy, Scotland and France, Burgundy, the Netherlands and Spain.
- The impact of foreign relations on domestic developments in England

OTHER RESOURCES

Use your exercise book, revision guides and podcasts to help you to revise.

The bigger picture: Final examinations in May/ June of Year 13 – you will take 3 papers in total.

Paper 1: Pure Mathematics

Paper 2: Pure Mathematics

Paper 3: Statistics and Mechanics

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

8MA0 – AS-level Mathematics

There will be two exams on work covered in year 12.

Paper 1 – Pure Maths - 2 hours - 100 marks.

Topics to consider revising include:

- Proof
- Algebra and functions
- Coordinate geometry in the (x, y) plane
- Sequences and series
- Trigonometry
- Exponentials and logarithms
- Differentiation
- Integration
- Vectors

Paper 2: Statistics and Mechanics - 1 hour 15 minutes - 60 marks

Section A: Statistics

- Statistical sampling
- Data presentation and interpretation
- Probability
- Statistical distributions
- Statistical hypothesis testing

Section B: Mechanics

- Quantities and units in mechanics
- Kinematics
- Forces and Newton's laws

USEFUL REVISION WEBSITES

Maths genie – AS Revision <https://www.mathsgenie.co.uk/newalevel2.php>

Maths genie – AS past papers and model answers <https://www.mathsgenie.co.uk/alevelpapers.php>

Dr Frost Maths – A-level Mathematics (Year 1/AS Level) <https://www.drfrust.org/downloadables.php?cuid=283348>

TLMaths Complete <https://sites.google.com/view/tlmaths/home>

The bigger picture: Final examinations in May/ June of Year 13 – you will take 3 papers in total.

Paper 1: Pure 1 (120 minutes)

Paper 2: Pure 2 (120 minutes)

Paper 3: Statistics and Mechanics (120 minutes)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Pure Maths (120 minutes)

- Algebraic expressions
- Quadratics
- Equations and inequalities
- Graphs and transformations
- Straight line graphs
- Circles
- Algebraic methods
- The binomial expansion
- Trigonometric ratios
- Trigonometric identities and equations
- Vectors
- Differentiation
- Integration

Paper 2: Applied Maths (75 minutes)

Statistics:

- Data collection
- Measures of location and spread
- Representations of data
- Correlation
- Probability
- Statistical distributions
- Hypothesis testing

Mechanics:

- Modelling in mechanics
- Constant acceleration
- Forces and motion
- Variable acceleration

USEFUL REVISION WEBSITES

Maths genie – AS Revision <https://www.mathsgenie.co.uk/newalevel2.php>

Maths genie – AS past papers and model answers <https://www.mathsgenie.co.uk/alevelpapers.php>

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TLMaths Complete <https://sites.google.com/view/tlmaths/home>

The bigger picture: final examinations in May/June of Year 13 – you will take two papers in total and complete one NEA coursework task.

Paper 1 – 120 minutes, 35% of total A-level

Paper 2 – 120 minutes, 35% of total A-level

NEA coursework – a 500-word statement of intent and practical tasks, 30% of total A-level

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1 (120 minutes)

Section A: Media Language and Representations

- Terminology and theory related to media language (including genre and narrative) and representations, eg denotes/connotes, anchorage, equilibrium theory, hybrid genre, stereotypes, misrepresentation etc
- Music Video CSPs – Old Town Road and Ghost Town
- Advertising CSPs – Score and Sephora

Section B: Media Audiences and Industries

- Terminology and theory related to media audiences and industries, eg demographics, psychographics, passive and active audiences, mainstream, independent and regulation etc
- Newspaper CSPs – The Guardian and Daily Mail
- Radio CSPs – Newsbeat and War of the Worlds
- Film CSP – Blinded by the Light

USEFUL REVISION RESOURCES

Your lesson notes are key revision resources. We have also uploaded revision resources onto your class Teams page and will be providing a revision pack that covers the key media theories/theorists. We would also recommend the following YouTube channels which feature short videos covering a wide range of media theories and many of the CSPs:

<https://www.youtube.com/channel/UCUKrxp4BcJrGLzmqAhCjASg> (Mrs Fisher)

<https://www.youtube.com/c/TheMediaInsider> (Media Insider)

The bigger picture: A-level Music is made up of three components.

Start your performance preparations now, with the aim to have your recital programme planned by October half-term of Year 13.

This will give you greater time to focus on your set brief composition (released in September of Year 13) and to add the finishing touches to your free brief composition (completed in Year 12).

You will sit one appraising examination in May/June 2026.

Unit 1: Performing (35%)

Unit 2: Composing (25%)

Unit 3: Appraising (40%)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper: Unit 3 Appraising (2hours 15 minutes)

Area of Study D: Jazz (1920-1960)

- Q5 – Exploring the musical elements and language in different jazz contexts (Ragtime, Dixieland, Early Jazz, Big Band, Be-bop, Cool Jazz).
- Q6 – Comparison essay

Area of Study E: Into the Twentieth Century

- Q7 – Trio for Oboe, Basson and Piano, Movement II by Poulenc or 'Nuages' by Debussy
- Q8 – Impressionism, Expressionism, Neo-Classicism

Area of Study A: The Development of the Symphony (1750-1900)

- Q11 - Dictation
- Q12 – Symphony 104 by Haydn
- Q14 – Development of orchestra essay (Stamitz, Haydn, Beethoven)

USEFUL REVISION RESOURCES

- Focus on Sound
- Teams (listening questions, class PowerPoints, revision PowerPoints)
- Dictation practice with instrument teacher

TOP TIPS FOR THE APPRAISING EXAM!

Like in GCSE Music, each question in the exam refers to the DR SMITH elements (regardless of the area of study). In an A-level Music exam, attention to detail is essential (eg "The chord in bar 16, beat 1 is C7/E", as opposed to, "There is a chord of C". An excellent starting point for your revision is to check your understanding of the key terms within each element.

The bigger picture: final examinations in May/ June of Year 13 – you will take 3 papers in total.

Paper 1: Physiological Factors affecting Performance (90 minutes)

Paper 2: Psychological Factors affecting Performance (60 minutes)

Paper 3: Socio-cultural Issues in Sport and Physical Activity (60 minutes)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Physiological Factors Affecting Performance

- Movement analysis - joints, muscles, movements, types of contractions
- Muscle fibres and recruitment of muscle fibres
- Cardiovascular and respiratory system at rest and during exercise
- Diet, nutrition and ergogenic aids
- Training – principles of training, periodisation, aerobic training, strength training, flexibility training, lifestyle diseases
- Biomechanical principles - forces, newton's laws, friction, air resistance, stability
- Lever systems
- Analysis using technology

Paper 2: Psychological Factors Affecting Performance

- Classification of skills
- Methods of practice
- Transfer of skills
- Guidance and feedback

- Stages of learning
- Learning theories
- Memory models
- Personality
- Attitudes
- Motivation
- Arousal
- Anxiety

Paper 3: Application Of Sociocultural Factors To The Following Eras

- Pre-industrial Britain
- Sport in industrial Britain
- 20th century
- 21st century
- Globalisation & the golden triangle
- The modern Olympic games
- Backgrounds and aims
- Political exploitation of the games
- Positives and negatives of hosting global

USEFUL REVISION RESOURCES

Textbook

Notes

Lesson PowerPoints

Work sheets

Phase tests and mark schemes

[OCR A-level PE Paper 1 Revision](#) (Summer 2024) (Minute 0 - 27, 49 - 1hr 16)

[OCR A-level PE Paper 2 Revision](#) (Summer 2024) (Minute 0 – 1 Hour 11 minutes)

[OCR A-level PE Paper 3 Revision](#) (Summer 2024) (Minute 0- 1 Hour 02 minutes)

The bigger picture: final examinations in May/ June of Year 13 – you will take 2 papers in total.

Paper 1

Paper 2

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1 - Written Exam - 1 hour 30 minutes, 70 marks worth 50% of total mark

Topics 1- 5 consisting of short and long answer questions split by topic

Paper 2 - Written Exam - 1 hour 30 minutes, 70 marks worth 50% of total mark

Topics 1-5

- Section A - 20 marks of short and long answer questions on practical skills and data analysis
- Section B - 20 marks of short and long answer questions from across all areas of AS content
- Section C - 30 multiple choice questions

TOPICS:

- 1. Measurements and their Errors**
- 2. Particles and Radiation**
- 3. Waves**
- 4. Mechanics and Materials**
- 5. Electricity**

HOW TO REVISE

Approach revision in this order and only move to the next stage when you are super confident.

1. Revisit the content (videos/knowledge organisers)
2. Memorise the content (rehearse the information: carousel/flashcards/mind-maps)
3. Practice recall (quizzes/carousel/revision mat)
4. Practice exam application

USEFUL REVISION GUIDES

[Revisely](#) (videos, questions by topic, past papers)

[Physics and Maths Tutor](#) (flashcards, notes, questions by topic)

[Save My Exams](#) (notes and summaries – limited access each day)

[Past Papers](#) – CHECK THEY ARE AS LEVEL

[Carousel Learning Study Pack](#) (revise flashcards, create quizzes)

The bigger picture: final examinations in May/ June of Year 13 – you will take 2 papers in total.

The subject matter will be far more broad, but the style of the questions will be the same.

Paper 1: Technical Principles (1 hour 30 minutes)

Paper 2: Designing & Making Principles (2 hours 30 minutes)

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper1 : Technical Principles, and Designing & Making Principles (90 minutes)

Metals

- Understanding of the categories of metals
- Common applications

The Casting Process, and Processes

- Understand the processes and applications, pros and cons.
- High pressure die casting
- Sand casting
- Pewter casting

Quality Control

- Quality control vs quality assurance
- Measures in manufacturing

Anthropometrics

- Understand data
- Applying principles

Ergonomics

- Understanding principles
- Applying principles

Obsolescence

- Planned/built-in obsolescence
- Perceived obsolescence

Maths

- Trigonometry
- Pythagoras' theorem
- Percentage increases/decreases
- Costings (price per mm² etc)

USEFUL REVISION GUIDES

Free, time-saving teacher resources | [Oak National Academy](#)

<https://senecalearning.com/en-GB/>

<https://www.technologystudent.com/>

Worksheets (for maths in D&T support)and watch 'How it's Made'... and 'Inside the Factory'.

The bigger picture: final examinations in May / June of Year 13.

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Edexcel Paper 1 – Foundations in Psychology Specification Code 9PS0 - Two hours, total of 90 marks

Five sections A –E. Comprises short response questions for Sections A-D; one 8-mark question per section A-E; one 12-mark Q for section E.

ADVICE: Spend 20 minutes on Sections A-D and 25 minutes on Section E.

PLEASE BRING A CALCULATOR TO THE EXAM

SECTIONS & TOPICS

A. Social Approach:

Theories of obedience; Milgram's research of obedience; theories of prejudice; culture and personality influences on social behaviour; ethics and human research; research methods; descriptive data analysis; 1x classic and 1x contemporary study; one practical; [we did not cover key question, so will not be on the exam paper]

B. Cognitive Approach:

Theories of memory x4 (MSM, WMM; Reconstructive Memory; Types of LT memory); case studies of amnesia; experimental research methods; inferential data analysis; 1x classic and 1x contemporary study; key question; one practical

C. Biological Approach:

CNS and neurotransmitter functioning; action of recreational Drugs; biological theories of aggression (hormones, evolution, brain structure, brain chemistry); Brain scanning methods; twin study method + example study Gottesman & Shields; adoption study method + example study Tienari et al; data analysis; 1x classic and 1x contemporary study; key question; one practical; non-Biological explanation of aggression (Freud's Psychodynamic theory)

D. Learning Approach:

Theories of learning (classical conditioning, operant conditioning, social Learning theory); Bandura's 3 research studies; theories of phobias; systematic desensitisation; 1x classic and 1x contemporary study; key question; research methods (including animal research; data analysis; one practical)

E. Issues and Debates in Psychology

Comparing different explanations of behaviour*
Ethical issues in research (animal and humans)*
Practical issues in the design and reporting of research*
The use of psychological knowledge within society*

**indicates those that will be covered mid-May.*

USEFUL REVISION GUIDES

TEAMS: all lessons; past paper exam questions, mark schemes and examiner reports taken from Edexcel Website: <http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/psychology-2015.html>; exemplar answers; workbooks; topic checklists.

Printed resources: workbooks with topic checklists, exam Q booklets with exemplar responses.

Edexcel psychology supplementary website which students can access for free: <http://www.psychologywizard.net/>

The bigger picture: final examinations in May/ June of Year 13 – you will take 3 papers, including a separate writing exam and a speaking exam.

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Paper 1: Listening, Reading & Writing (1 hour and 45 mins)

Section A: Listening and Writing

Section B: Reading, Writing and Translation (into English)

TOPICS

- Modern and traditional values
- Cyberspace
- Equal rights
- Modern day idols
- Spanish regional identity
- Cultural heritage

REVISION STRATEGIES

- Revise all topics and language skills with Kerboodle; digital textbook, listening and reading files and vocabulary learning tasks.
- Use AQA AS Spanish past papers from your teacher/online; mark schemes, sound files and transcripts.
- Remember the importance of active revision not just reading!
- Regular Spanish independent learning and revision: news articles, music, TV/film with subtitles etc - little and often!
- Use of Hodder revision guide and Quizlet etc

The bigger picture: final examinations in May/ June of Year 13 – you will take 3 papers in total.

Paper 1: Data and Probability

Paper 2: Statistical Inference

Paper 3: Statistics in Practice

Papers 1,2 & 3 : 2 hours each, 80 marks per paper

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

8ST0 – AS Level Statistics

Papers 1 & 2 : 90 mins, 60 marks

- Foundations of Statistics
- Numerical Measures
- Data Representation and Interpretation
- Probability Theory
- Discrete Random Variables
- The Binomial Distribution
- Bivariate Data
- Introduction to Hypothesis Testing
- Methods of Hypothesis Testing
- Contingency Tables
- Non-Parametric Hypothesis Tests
- Experimental Design
- Statistical Enquiry Cycle

USEFUL REVISION RESOURCES

[Dr Frost Maths](https://www.drfrust.org/downloadables.php?cuid=283348) – some good crossover AS Level stats practice questions <https://www.drfrust.org/downloadables.php?cuid=283348>

TLMaths Complete <https://sites.google.com/view/tlmaths/home>

CIMT [AS-level stats stats_contents.pdf](#)

CIMT Further stats (more suitable for further maths but has some good questions) [fstats_contents.pdf](#)

The bigger picture: final examinations in May/ June of Year 13 – you will take 2 papers in total.

Written Exam Paper 1: Technical Principles (30% of A-level)

Written Exam Paper 2: Designing and Making Principles (20% of A-level)

Non-Exam Assessment (NEA): Design and Make Project (50% of A-level)

- **Description:** a student-led project comprising a written or digital design portfolio and photographic evidence of the final prototype.
- **Assessment Objectives:**
 - **AO1:** Identify, investigate, and outline design possibilities
 - **AO2:** Design and make prototypes that are fit for purpose
 - **AO3:** Analyse and evaluate

The non-exam assessment is marked out of 100.

WHAT YOU WILL BE EXAMINED ON IN YOUR YEAR 12 EXAM

Written Exam Paper 1: Technical Principles (30% of A-level) Duration: 2.5 hours

Content:

- **Materials and their applications**
- **Performance characteristics of fabrics**
- **Modern and commercial production methods**
- **Assessment:** a mixture of short answer and extended response questions

Written Exam Paper 2: Designing and Making Principles (20% of A-level) Duration: 1 hour 30 minutes

Content:

- **Product analysis (Section A)**
- **Commercial manufacture (Section B)**
- **Assessment:** short and extended response questions

USEFUL REVISION

The Y12 exams are direct past papers; they are synoptic so you will need knowledge and understanding of all topics for both papers.