

YEAR 10 TRIAL EXAMINATIONS APRIL 2025

REVISION TOPIC LISTS

SUBJECT	TOPICS TO REVISE	ADVICE FROM TEACHERS
Ancient History	1 paper (2 hours) Persia Topic 1 (Cyrus) Topic 2 (Cambyses) Topic 3 (Darius) Topic 4 (Xerxes) Alexander Topic 1 (Alexander's youth and accession to the throne) Theme: Alexander's character Theme: Macedonian army under Alexander	See additional revision resources on MS Teams
Biology	1 paper (1hr 45) Topic B1: Cell level systems Topic B2: Scaling up Topic B3: Organism level systems	Section A contains multiple choice questions. This section of the paper is worth 15 marks. Section B includes short answer question styles (practical, maths, structured questions) and an extended six-mark Level of Response question. This section of the paper is worth 75 marks
Business Studies	1 Paper (1 hr 30) Topic 1 - Business in the Real World Topic 2 - Influences on a Business Topic 4 - Human Resources	Section A: x6 MCQs x5 2-mark questions x1 4 mark SAQ Section B: x2 Extracts x2 Quantitative skills x3 SAQs x2 9-markers Section C: x2 Extracts x1 Quantitative skill x5 SAQs

Chemistry	1 Paper (1hr 45) All topics in C1,C2, C3,	The structure and the time allocated to this paper will reflect paper 1 as in national GCSE exam. Multiple choice Qs as well as 1,2,3 mark Qs as well as at least two 6 mark Qs Calculator needed. Data sheet will be provided.
Computer Science	1 paper (1hr 30) <ul style="list-style-type: none"> • Protocols & Layers • LAN / WAN • Images / MetaData • Compression • Threats • Arithmetic Operators • Variables • Program Constructs • Searching / Sorting Techniques • Logic Gates / Truth Tables • Benefits of Testing code • Data Types • Functions / Algorithms 	No Calculator Allowed
Design Technology	1 paper (1hr 30) All on Padlet QR code given to students	All exemplar papers and structure on Padlet Calculator Colour pencils, Fine liners, ruler
Drama	1 paper (1hr 30) Students will need to know: <ul style="list-style-type: none"> • Character profiles for each character • Character relationships • Rehearsal techniques • Vocal and physical skill terminology • Costume, hair and make-up terminology and ideas for characters. 	In Section A, you will answer all questions on your chosen set text. In Section B, answer one question from a choice of two questions. Note that you must not use the same text in your answers to Sections A and B, they have to be different texts. In preparation, take time to review the live theatre that you have seen in relation to the topics listed above to help you prepare for potential questions.

	<ul style="list-style-type: none"> • Set and lighting design ideas for the play. • Stage layouts • All areas of live theatre acting and design elements 	
Economics	1 Paper (1hr 30) <ul style="list-style-type: none"> • Topic 1- Economic Foundation • Topic 2- Resource allocation • Topic 3- How prices are determined • Topic 4- Production, profit, cost and revenue • Topic 5- Competitive market 	<p>Paper will include MCQs, short answer questions, calculation questions, diagrams and data response/ case study response questions.</p> <p>Make sure to read each question carefully Students will need to bring in a pen, ruler, calculator and highlighter Read the case study carefully and highlight important information Make sure to apply the case study to your response.</p>
Electronics	1 paper (1hr 30) Component 1 <ul style="list-style-type: none"> • Chapter 1 - Electronic systems and subsystems • Chapter 2 - Circuit Concepts • Chapter 3 – Resistive components in circuits • Chapter 4 - Switching circuits • Chapter 6 - Combinational logic systems Component 2 <ul style="list-style-type: none"> • Chapter 6 - Combinational logic systems 	<p>The paper will follow the structure of all of the past papers on line (e.g. https://www.eduqas.co.uk/qualifications/electronics-gcse/#tab_pastpapers).</p> <p>You will be tested on any topics we have covered by the date of the exam.</p> <p>You should not be pushed for time in the exam so I advise you to read through the whole paper first, then answer the easiest questions first, moving onto the ones you expect to be more challenging last. You brain will hopefully have had time to digest those questions. If stuck I also recommend reading the formula sheet to see if there's anything there that sparks your memory, and to also draw on the circuit diagram everything that you know - remember nearly all questions are based on finding out something from some things you already have been given.</p> <p>Remember there is extra space at the end of the exam paper if you need more space to write.</p> <p>You will need a black pen, a calculator, a pencil and eraser, spare pens & pencils, and possibly a ruler.</p>

Engineering	1 paper (2 hours) All on Padlet	All on Padlet
English Language	1 Paper (1hr 45) English Language Paper 1: Explorations in Creative Reading and Writing. Section A: reading and responding to unseen fiction. Areas to revise: analysis of language, analysis of how a text is structured, evaluating a text. Section B: writing a narrative or description. Areas to revise: the creative writing booklet - how to structure a narrative and a description; utilising figurative and sensory language; sentence types for effect; sophisticated punctuation and their uses, etc.	Section A: responding to an unseen extract from a piece of fiction. Q1: four multiple choice comprehension questions (4 marks). Q2: analysis of a language in the section of a text (8 marks). Q3: analysis of how the text is structured to interest and engage the reader (8 marks). Q3: evaluating a text in relation to a given statement (20). Section B: writing a narrative or a description. Q5: writing a narrative using a given title or writing a description inspired by a picture (16 marks technical accuracy; 24 marks content and organisation).
English Literature	1 paper (1hr 45) <ul style="list-style-type: none">The Strange Case of Dr Jekyll and Mr HydeAn Inspector Calls	Section A: The Strange Case of Dr Jekyll and Mr Hyde One question, with a printed extract, which asks students explore a given theme or character in the extract and the novella as a whole. Section B: An Inspector Calls A choice of two questions which will ask students to explore a given theme, character or statement in relation to the play as a whole.
Geography	1 paper (1hr 30) <ul style="list-style-type: none">The Living World (Ecosystems, Tropical Rainforest, Deserts, Desertification)Changing Economic World (Development, NEE/LIC - Nigeria, HIC - UK)Coast (Processes, landforms)	The paper will contain a range of questions from 1-markers to 9-markers. It will be divided into three sections of roughly equal length for each of the three topics listed above. Students should use their notes and the material available on TEAMS for their revisions. Additional useful resources might be reliable websites such as BBC bitesize or www.coolgeography.co.uk .
Geology	1 paper (1hr 20) <ul style="list-style-type: none">Themes 1, 3, 4, 5, 6.	The paper will be structured in exactly the same way as the end of theme exams. As with the final exams, students should expect some questions that draw from learning across several themes. Read the cover carefully for instructions. You must have a pencil, black pens (2), 30cm ruler, eraser,

		calculator. There may be questions requiring the analysis of rock and/or mineral samples.
History	<p>2 hours</p> <p>Germany in Transition, 1919-1939.</p> <ul style="list-style-type: none"> • Topic 1. Impact of the First World War • Topic 2. Recovery of Weimar • Topic 3. End of the Weimar Republic • Topic 4. Nazi consolidation of power • Topic 5. Nazi economic, social and racial policy • Topic 6. Terror and persuasion • Topic 7. Hitler's foreign policy <p>The Elizabethan Age, 1558-1603</p> <ul style="list-style-type: none"> • Topic 1. Elizabethan government • Topic 2. Lifestyles of rich and poor • Topic 3. Popular entertainment • Topic 4. The problem of religion • Topic 5. The Catholic threat 	Full paper Q1-5 for each topic. All advice available on MS Teams
Mathematics	<p>2 papers 1hour 30 each</p> <p>Paper 1 (non-calculator), Paper 2 (calculator)</p> <p>Students are to master all topics taught from year 7 to 9 Students to use the yr 10 curriculum map term up to and including Summer Term 3A. This includes</p> <ul style="list-style-type: none"> • Graphs • Straight Line Graphs 	<p>1 Non-Calculator Paper and 1 Calculator Paper</p> <p>The paper is structured like the Edexcel mathematics paper.</p> <p>All working to be shown for each question</p> <p>Method mark will also be awarded.</p> <p>It's important for students to have a mathematical set , ie protractor , compass, ruler etc</p> <p>Kindly refer to the curriculum map on the school's website for additional detail for each topic</p>

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| | <ul style="list-style-type: none"> • Quadratic Graphs • Cubic Graphs • Reciprocal Graphs • Circle Graphs • Distance-Time Graphs • Velocity-Time Graphs • Transformations • Translation • Reflection • Rotation • Enlargement • Quadratics • Quadratic Equations • Quadratic Inequalities Trigonometry • Exact Trig Values • Trigonometric Graphs • Area of any triangle • Sine Rule • Cosine Rule • Probability • Sample Space • Venn Diagrams • Two-Way Tables • Conditional Probabilities • Tree Diagrams • Equations and Graphs • Sketching graphs • Simultaneous Equations graphically • Circles • Circle Theorems • Circle Geometry | |
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**Modern Foreign
Languages**

**French,
Spanish,
German,
Chinese
Mandarin,
Italian**

French

- Reading - 1 hour
- Writing - 45 mins
- Relationships with Friends and Family / Free time / Celebrations / Town and Neighbourhood / General vocab and Grammar
- Reading - a series of reading activities and a translation to English
- Writing - 150 word essay (choice of three) and translation to target language

Spanish

- Reading - 1 hour
- Writing - 45 minutes
- Holidays / School / Friends and Family / Freetime / Technology / General Vocab and Grammar
- Reading - a series of reading activities and a translation to English
- Writing - 150 word essay and translation to target language

German

- Reading - 1 hour
- Writing - 45 mins
- School / Freetime / Friends and Family / Home, Food & Health, Technology / General Vocab and Grammar
- Reading - a series of reading activities plus a translation to English
- Writing - 150 word essay plus a translation to target language

Mandarin

- Reading-1hour
- Writing-45mins
- Theme 1: Me, my family and friends, Technology if everyday life, Free-time activities

	<ul style="list-style-type: none"> • Theme 2: Home, town, neighbourhood and region, Travel and tourism • Theme 3: My studies, Life at school/college • Reading: a series of reading questions • Writing: one 125-character writing and one translation from English to Chinese 	
Music	1 Paper (1hr 15) We will be completing all aspects of the music paper, but will exclude set work specific questions.	I would ensure that you can musically identify any of the key terms from Appendix C from the Specification. Ensure that you are using the right term to describe the right element of music. I would make sure that you bring a pencil and an pen for any potential dictation tasks.
Physical Education	1 paper (1 hr 30) <ul style="list-style-type: none"> • Chapter 1: Applied Anatomy and Physiology • Chapter 2: Movement Analysis • Chapter 3: Physical Training • Use of Data 	<ul style="list-style-type: none"> - Calculator - 78 Marks - Black Pen - Pencil for Drawings - Questions will range from 1-9 marks
Physics	1 paper (1hr 45) <ul style="list-style-type: none"> • P1: Matter • P2: Forces • P3: Electricity • P4: Magnetism and Magnetic fields 	15 MCQs 1 Six mark question 2, 3,4,5 marker questions (including practical skills) Students will be provided with equation sheet.
Religious Studies	1 paper (1hr 30) <ul style="list-style-type: none"> • Unit 1: Issue of Relationships • Unit 2: Issues of Life and Death • Unit 3: Issues of Good and Evil (up to prison reform). 	Each section should take you 30 minutes. Each section will include a 2, 5, 8 and 15. For unit 1, the 15 marker also includes Spag marks. The exam board is Eduqas.
Psychology	1 paper (1hr 45) memory-Factors affecting the accuracy of memory Structures of memory Long term Memory Memory as an active process research methods questions Perception- Factor affecting perception Visual illusions	4 sections each worth 25 marks each. Research methods will also be each section as well as its own section. Questions will be multi choice, and full written responses ranging from 2-6 marks. There will also be two 9 mark questions There will be a number of mathematical questions, like ratio, percentages so you will need a calculator. There will be a number of scenario questions and a question where you have to design an experiment (6 marks) Use key psychology terminology when answering

	<p>Theories of perception Depth cues Development- Dweck theory Piaget Theory Willingham Theory Research methods</p> <p>Research methods</p>	<p>Make sure you read the command word correctly (explain, evaluate, outline, identify etc) and only answer what it asks of you Revise by watching psych boost, completing past papers and using mark schemes, making flash cards, mind maps etc</p>
Statistics	<p>1 Paper (1hr 30)</p> <ul style="list-style-type: none"> • Data sets • Population and sampling • Sampling methods • Planning and collecting data • Qualitative and discrete data • Continuous data set • Scatter graphs 	<p>You will need a: Pen Pencil Ruler Calculator Protractor</p>