

Y11 revision topics for the January 2024 mocks

Subject	Topics to revise	Revision ideas
Maths	<ol style="list-style-type: none"> 1. Number <ul style="list-style-type: none"> • Structure and calculation • Fractions, decimals and percentages • Measures and accuracy 2. Algebra <ul style="list-style-type: none"> • Notation, vocabulary and manipulation • Graphs • Solving equations and inequalities • Sequences 3. Ratio, proportion and rates of change 4. Geometry and measure <ul style="list-style-type: none"> • Properties and constructions • Mensuration and calculation • Vectors 5. Probability 6. Statistics <p>These will be assessed via 3 papers, each 1hr 30 minutes long.</p> <p>1x non calculator and 2x calculator.</p>	<p>Revision Flash Cards: Use these to test yourself on key topics. If correct – test again in a couple of days, then a few days etc. If incorrect - test again the next day.</p> <p>Cheat Sheets: Create mind maps about a topic recording everything that you can remember – then use your notes to fill in the gaps in a different colour. Repeat the next week – can you remember more than the previous week?</p> <p>Past Papers: The only way to get better at maths is to do maths!! Speak to your teacher for either mixed or topic-based resources</p> <p>Dr Frost: This has a wealth of different material – you don't need to be set something by your teacher to use it. Watch videos, practice questions, try exam questions.</p>

English

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	<p>Language Paper 2 (full paper)</p> <p>Paper 2 Section A reading</p> <ul style="list-style-type: none"> • Q1: true or false statements • Q2: summarising the differences between two sources • Q3: analysing language • Q4: comparing writer’s viewpoints and perspectives <p>Section B writing (Q5):</p> <ul style="list-style-type: none"> • Writing to argue/persuade/ advise/ transactional writing <p>Structure for Q5: Introduction: start with ‘plague’ sentence, 3 x ‘imagine sentences’, 3x rhetorical questions, end with powerful statement.</p> <p>2 x TMC paragraphs with rhetorical devices: ethos, logos, pathos. End with anadiplosis.</p> <p>1 x counter argument paragraph: counter argument, fact that supports the opposing view, rebuttal, solution</p> <p>Conclusion: X is still a plague sentence, answer 3 x rhetorical questions from introduction, end with ‘it is time to... once and for all!’</p> <p>Literature Paper 2 (Section A and B – no unseen)</p> <ul style="list-style-type: none"> • An Inspector Calls • Comparing two poems from your Power and Conflict anthology 	<p>Language</p> <ul style="list-style-type: none"> • Flashcards to check and quiz on different acronyms your teachers have taught you to use for each question. For example- Q4 PELECELE • Practice sections of whole questions in timed conditions • Practice reading articles/ blogs to widen your exposure to different text types • Practice annotation of different non-fiction pieces of writing • Writing: practice timed writing of Q5 sections I.e. write an intro on x topic in 5 minutes • Quiz yourself on rhetorical devices: name 3 examples each of ethos, logos and pathos • Yipiyap on demand <p>Literature</p> <ul style="list-style-type: none"> • GCSE Pod • Using anthology to quiz self/ check understanding of each poem • Use flashcards to test quotations of poems/ AIC • Practice linking similarities and differences of poems according to themes (conflict, power, power of nature, identity) • Practice paragraphs on exam questions • United Learning videos to revise poems (these are teachers delivering lessons on each poem and are excellent for catching up on missed poems, too!) • Genius poetry website for wider reading on each poem/ deeper analysis of each poem • AIC: linking quotations to themes of responsibility, social class, gender and generations. • AIC: using GCSEPod/ Youtube to research 1912 and 1945 context. • Using flashcards to annotate quotations in timed conditions • Rereading the play • Yipiyap on demand

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<h1>Science – Trilogy Foundation</h1>	<p>Biology Trilogy Foundation</p> <p>B1 Cell Biology (Paper 1) B2 Organisation (Paper 1) B3 Infection and Response (Paper 1) B4 Bioenergetics (Paper 1) B6 Inheritance, Variation and Evolution (Paper 2) B7 Ecology (Paper 2)</p> <p>Chemistry Trilogy Foundation</p> <p>C1 Atomic Structure and Periodic Table (Paper 1) C2 Bonding, Structure and Properties of Matter (Paper 1) C3 Quantitative Chemistry (Paper 1) C4 Chemical Changes (Paper 1) C5 Energy Changes (Paper 1) C6 Rate of Extent of Chemical Change (Paper 2) C7 Organic Chemistry (Paper 2) C8 Chemical Analysis (Paper 2)</p> <p>Physics Trilogy Foundation</p> <p>P1 Energy (Paper 1) P2 Electricity (Paper 1) P3 Particle Model of Matter (Paper 1) P4 Atomic Structure and Radiation (Paper 1) P5 Forces (Paper 2) P6 Waves (Paper 2)</p> <p>You will sit two papers in each subject (6 in total) Paper 1 will be a full mock (1hr 15min) Paper 2 will be a shortened mock</p>	<p>Make revision flash cards of key words and processes Complete Seneca revision activities aiming to achieve at least 80% on assignments, repeat assignments until you are confident with the content Watch relevant video tutorials</p> <p>https://www.primrosekitten.com</p> <p><u>Cognito Resources - Past Papers, Mark Schemes and Resources</u></p> <p>Complete GCSEpod assignments Complete past papers but remember you are not doing a full paper and so past papers will contain content you have not studied yet</p> <p>Complete revision mind maps, ask your teachers if you would like printed versions to complete</p>

Subject	Topics to revise	Revision ideas
<h1>Science – Trilogy Higher</h1>	<p>Biology Trilogy Higher</p> <p>B1 Cell Biology (Paper 1) B2 Organisation (Paper 1) B3 Infection and Response (Paper 1) B4 Bioenergetics (Paper 1) B6 Inheritance, Variation and Evolution (Paper 2) B7 Ecology (Paper 2)</p> <p>Chemistry Trilogy Higher</p> <p>C1 Atomic Structure and Periodic Table (Paper 1) C2 Bonding, Structure and Properties of Matter (Paper 1) C3 Quantitative Chemistry (Paper 1) C4 Chemical Changes (Paper 1) C5 Energy Changes (Paper 1) C6 Rate of Extent of Chemical Change (Paper 2) C7 Organic Chemistry (Paper 2) C8 Chemical Analysis (Paper 2)</p> <p>Physics Trilogy Higher</p> <p>P1 Energy (Paper 1) P2 Electricity (Paper 1) P3 Particle Model of Matter (Paper 1) P4 Atomic Structure and Radiation (Paper 1) P5 Forces (Paper 2) P6 Waves (Paper 2)</p> <p>You will sit two papers in each subject (6 in total) Paper 1 will be a full mock (1hr 15min) Paper 2 will be a shortened mock</p>	<p>Make revision flash cards of key words and processes Complete Seneca revision activities aiming to achieve at least 80% on assignments, repeat assignments until you are confident with the content Watch relevant video tutorials</p> <p>https://www.primrosekitten.com</p> <p><u>Cognito Resources - Past Papers, Mark Schemes and Resources</u></p> <p>Complete GCSEpod assignments Complete past papers but remember you are not doing a full paper and so past papers will contain content you have not studied yet</p> <p>Complete revision mind maps, ask your teachers if you would like printed versions to complete</p>

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Biology	<p>B1 Cell Biology (Paper 1) B2 Organisation (Paper 1) B3 Infection and Response (Paper 1) B4 Bioenergetics (Paper 1) B6 Inheritance, Variation and Evolution (Paper 2) B7 Ecology (Paper 2)</p> <p>You will sit two papers Paper 1 will be a full mock (1hr 45min) Paper 2 will be a shortened mock</p>	<p>Make revision flash cards of key words and processes Complete Seneca revision activities aiming to achieve at least 80% on assignments, repeat assignments until you are confident with the content Watch relevant video tutorials</p> <p>https://www.primrosekitten.com</p> <p><u>Cognito Resources - Past Papers, Mark Schemes and Resources</u></p> <p>Complete GCSEpod assignments Complete past papers but remember you are not doing a full paper and so past papers will contain content you have not studied yet</p> <p>Complete revision mind maps, ask your teachers if you would like printed versions to complete</p>
Chemistry	<p>C1 Atomic Structure and Periodic Table (Paper 1) C2 Bonding, Structure and Properties of Matter (Paper 1) C3 Quantitative Chemistry (Paper 1) C4 Chemical Changes (Paper 1) C5 Energy Changes (Paper 1) C6 Rate of Extent of Chemical Change (Paper 2) C7 Organic Chemistry (Paper 2) C8 Chemical Analysis (Paper 2)</p> <p>You will sit two papers Paper 1 will be a full mock (1hr 45min) Paper 2 will be a shortened mock</p>	<p>Make revision flash cards of key words and processes Complete Seneca revision activities aiming to achieve at least 80% on assignments, repeat assignments until you are confident with the content Watch relevant video tutorials</p> <p>https://www.primrosekitten.com</p> <p><u>Cognito Resources - Past Papers, Mark Schemes and Resources</u></p> <p>Complete GCSEpod assignments Complete past papers but remember you are not doing a full paper and so past papers will contain content you have not studied yet</p> <p>Complete revision mind maps, ask your teachers if you would like printed versions to complete</p>

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<h1 style="writing-mode: vertical-rl; transform: rotate(180deg);">Physics</h1>	<p>P1 Energy (Paper 1) P2 Electricity (Paper 1) P3 Particle Model of Matter (Paper 1) P4 Atomic Structure and Radiation (Paper 1) P5 Forces (Paper 2) P6 Waves (Paper 2) P7 Magnetism and Electromagnetism (Paper 2)</p> <p>You will sit two papers Paper 1 will be a full mock (1hr 45min) Paper 2 will be a shortened mock</p>	<p>Make revision flash cards of key words and processes Complete Seneca revision activities aiming to achieve at least 80% on assignments, repeat assignments until you are confident with the content Watch relevant video tutorials</p> <p>https://www.primrosekitten.com</p> <p><u>Cognito Resources - Past Papers, Mark Schemes and Resources</u></p> <p>Complete GCSEpod assignments Complete past papers but remember you are not doing a full paper and so past papers will contain content you have not studied yet</p> <p>Complete revision mind maps, ask your teachers if you would like printed versions to complete</p>

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<h1 style="writing-mode: vertical-rl; transform: rotate(180deg);">History</h1>	<p>Germany – 1 hour exam</p> <ol style="list-style-type: none"> 1. Spartacist uprising 2. Treaty of Versailles 3. Kapp Putsch 4. Invasion of the Ruhr 5. Hyperinflation 6. Munich Putsch 7. Depression and how it impacted people’s lives 8. Hitler’s rise to dictator- All the events 1933-34 9. German workers 10. Hitler youth 11. Women <p>Medicine- 1 hour exam</p> <ol style="list-style-type: none"> 1. Cholera epidemic- Whole of the 19th century- All dates needed 2. Medieval treatments 3. Hugh of Lucca and John of Ardene 4. Black Death 5. Hippocrates 6. Galen 7. Louis Pasteur 8. Robert Koch 9. Edward Jenner 10. John Hunter 11. Surgery throughout <p>Conflict and Tension - 1 hour exam</p> <ol style="list-style-type: none"> 1. Locarno Pact 2. Kellogg Briand pact 3. Treaty of Versailles including Clemenceau, Wilson and George reactions. 4. League of Nations 5. Organisation 6. Structure 7. Successes and failures 8. Depression 9. Manchuria 10. Abyssinia <p>Germany and conflict and tension will be one exam- 2 hours Medicine will be a 1 hour exam</p>	<p>Seneca GCSE pod Revision guides on Bromcom Revision summaries printed and given in class. Revision cards Timelines</p>

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<h1 style="writing-mode: vertical-rl; transform: rotate(180deg);">Geography</h1>	<p>Paper 1 (1 hour 30 minutes)</p> <ul style="list-style-type: none"> • Natural hazards: effects of extreme weather, formation of tropical storms, causes of and strategies to manage climate change, and effects and responses to earthquakes • Living World: ecosystem components, characteristics of tropical rainforests, plant and animal adaptations to ecosystems, and causes and solutions to desertification • Coasts: types of waves, coastal processes, coastal management strategies (hard and soft engineering), and coastal landforms of erosion • Rivers: river profiles, river processes, flood management strategies (hard and soft engineering), and river landforms of erosion <p>Paper 2 (1 hour 30 minutes)</p> <ul style="list-style-type: none"> • Urban issues and challenges: causes of urbanisation, opportunities and challenges in LIC/NEE cities, urban sustainability, map skills: grid references and scale, urban regeneration • Resource Management: UK food and energy, global energy supply and consumption, sustainable energy use <p>Paper 3 (you will sit alongside paper 2 for the mock) Physical fieldwork – does Burbage Brook follow a typical river regime? Human fieldwork – how sustainable is Hockerton?</p> <p>For each piece of fieldwork, revise the following;</p> <ul style="list-style-type: none"> -reason for chosen location -any risks and how we reduced these -what data collection methods you used -what sampling methods you used and why -how you presented your data (graphs, charts etc.) -the strengths and weaknesses of the investigations -the validity/reliability of our results 	<ul style="list-style-type: none"> • Oxford revision guide – a useful guide with knowledge, retrieval and practice – only £5.50 if purchased through school • GCSE Pod • Seneca Learning

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<h1>Religious Studies</h1>	<p><u>Full paper 1</u></p> <p>Christian beliefs Christian practices Islamic beliefs Islamic practices</p> <p><u>¾ paper 2</u></p> <p>Relationships and families Religion and Life Religion, peace and conflict</p>	<p>Seneca Flash cards- Key words Revision booklets GCSE pod</p> <p>Revision booklets will be provided.</p>
<h1>Spanish</h1>	<p>Revise for the following exams: Listening, Reading, Writing, Speaking</p> <ol style="list-style-type: none"> 1. Self, Family and friends 2. Technology 3. Hobbies and sports 4. Food and festivals 5. Hometown 6. Global issues 	<ul style="list-style-type: none"> • Learn speaking cards by using your whiteboards like we do in class. Practice 1 sentence at a time. • Practice vocab from your booklets and yellow book • Make flash cards of this vocab. test yourself from Spanish into English and then English into Spanish. Ask someone to test you. • Practice the vocab on quizlet • Do practice questions in your revision guide

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Art	<ul style="list-style-type: none"> • How to present your work to the client as a digital portfolio. • How to annotate your work. 	<ul style="list-style-type: none"> • Use the exemplar work that the teacher will share with you in class to familiarise yourself with how to present your work as a digital portfolio. • Practice annotating your work to explain why you have done certain tasks and what impact it has had on your work. • Practice your digital literacy and make sure you know how to do the following on Power Point: <ul style="list-style-type: none"> – Copy and paste images – Insert text boxes – Edit and spell check work – Change the background or slide designs – Change the size of the slides to A3 – Crop images – Check the word count – Save work as a PDF • Most importantly make sure all work for Component 1 (Landmarks) is finished and up to date ready for the teacher to scan in before your mock exam. You will need all this work in the exam ready to present.
ICT	<p>Component 3: Effective Digital Working Practices</p> <ul style="list-style-type: none"> • Modern technologies • Cyber security • The wider implications of digital systems • Planning and communication in digital system 	<p> Folders / Books Knowledge Organisers Past papers (on teams) Lesson PowerPoints on Teams BBC Bitesize Revision Flashcards for key terms </p>

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<h1>Computer Science</h1>	<p>Paper 1: Computer systems</p> <ul style="list-style-type: none"> • Systems architecture • Memory and storage • Computer networks, connections and protocols • Network security • Systems software • Ethical, legal, cultural and environmental impacts of digital technology <p>Paper 2: Computational thinking, algorithms and programming</p> <ul style="list-style-type: none"> • Algorithms • Programming fundamentals • Producing robust programs • Boolean logic • Programming languages and Integrated Development Environments 	<p>Folder 1 (2022-2023)</p> <p>Previous mock papers</p> <p>Lesson PowerPoints on Teams</p> <p>Revision Guide (Printed and Teams)</p> <p>Knowledge Organiser</p> <p>Revision Cards</p> <p>Seneca Learning</p> <p><u>Craig n Dave YouTube (OCR J277):</u> https://www.youtube.com/@craigndave</p> <p>Folder 2 (2023-2024)</p> <p>Lesson PowerPoints on Teams</p> <p>Revision Guide (Printed and Teams)</p> <p>Knowledge Organiser</p> <p>Revision Cards</p> <p>Seneca Learning</p> <p><u>Craig n Dave YouTube (OCR J277):</u> https://www.youtube.com/@craigndave</p>
<h1>Enterprise & marketing</h1>	<p><u>Component 3</u></p> <p><u>A – Marketing</u></p> <ul style="list-style-type: none"> - Targeting & Segmentation - Marketing Mix - Trust, Reputation & Loyalty <p><u>B – Financial Documents</u></p> <ul style="list-style-type: none"> - Financial Documents - Payment Methods - Revenue & Cost - Financial Statements - Profitability & Liquidity <p><u>C – Financial Planning</u></p> <ul style="list-style-type: none"> - Budgeting - Cash Flow - Break-Even - Sources of Finance 	<ul style="list-style-type: none"> - All slides available on Teams - Exercise books - Seneca

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<h1>Media studies</h1>	<p>Main tasks in component 3 exam (Feb-May) include:</p> <ol style="list-style-type: none"> 1. Ideas log 2. Planning materials 3. Final product <p>Assessment objectives AO1 Understand how to develop ideas in response to a brief AO2 Develop planning materials in response to a brief AO3 Apply media production skills and techniques to the creation of a media product AO4 Create and refine a media product to meet the requirements of a brief</p>	<p>YouTube video on Component 3 – link (skip to 10.30 on video)</p> <p>Use sample assessments for C3 from Pearson website – link link</p> <p>- Revision Flashcards for key terms - All lesson PowerPoints, for component 3, and resources uploaded to Teams and shared via email - Practice sample assessments shared and online to practice key skills - Course spec – link</p>
<h1>Psychology</h1>	<p><u>Section A</u> Criminal psychology -Types of crimes -Social Learning Theory -Cooper and Mackie research -Eysenck criminal personality -Heaven research -Application to punishments</p> <p><u>Section B</u> Development -Stages of development -Piaget’s theory -Piaget’s research -Dweck and Willingham -Blackwells research -Application to education and growth/fixed mindset</p> <p><u>Section C</u> Psychological problems -Defining mental health -Effects of mental health on individuals and society -Schizophrenia – biological and psychological explanations -Depression – biological and psychological explanations -Application of treatments</p>	<ul style="list-style-type: none"> - Knowledge organisers that have been provided to all students for all topics including key theories, psychologists and research - On teams there are quizzes on all topics for you to check your knowledge - On teams there are information videos to support your understanding - All the lesson slides are on teams for your reference - There are links to exam questions on teams for you to practice