

Year 13 – Spring Mock Preparation 2023

Subject	Papers (please include title of the paper, not just 'Paper 1')	Topics to revise	Resources available for students (please note where possible, all lesson resources should be accessible to students on Sharepoint)
Politics	<p>Paper 1: Government and Politics of the UK (2 hours)</p> <p>Paper 2: Government and Politics of the USA and Comparative Politics (2 hours)</p>	<p>Paper 1</p> <p>Students should revise all content for Paper 1 as this is complete. The full specification can be found here: https://www.aqa.org.uk/subjects/politics/a-level/politics-7152/subject-content/government-and-politics-of-the-uk</p> <p>Paper 2</p> <p>Students should revise all the content from the following chapters:</p> <ul style="list-style-type: none"> ▪ The Constitution ▪ Congress ▪ The presidency ▪ The Supreme Court and Civil Rights. <p>Please note that the comparative essay questions will come from these US Government and Politics chapters and their UK Politics chapter equivalents.</p>	<p>Year 12 UK Resources These can all be found on Sharepoint: Class of 2023 Students are also able to use all of the resources on Sharepoint developed for this year's Year 12 cohort as additional UK revision: Class of 2024</p> <p>Textbooks This is a key resource – with a particular focus on the practice questions found at the end of each chapter.</p> <p>Comparison Grids These should be complete for the first 3 sections (5 by the exams) and the central focus for comparative essay question revision.</p> <p>AQA website/Exam practice Questions are set in class on a regular basis and the skills, substantives and feedback should be the focus for revision. These can be supplemented from the AQA website.</p> <p>Revision Period 7 revision lessons are taking place each Monday. These began after the Christmas break and will continue until (and likely beyond) Easter.</p>
History	<p>Paper 1: Industrialisation and the people c.1783-1885</p> <p>Paper 2: The Crisis of Communism in the USSR and the Soviet Empire c.1953-2000.</p>	<p>Paper 1</p> <p>Students need to revise the entirety of the industrialisation course (Chapter 1-24)</p> <p>Paper 2</p> <p>Students need to revise from Chapters 1-20 for their mock exam. This includes everything from the death of Stalin up to strikes and demonstrations in Poland.</p> <p>Specific homework tasks will be shared before half-term. Revision is being completed in class and extensive retrieval/ revision has been taking place continuously. A</p>	<p>1. All resources are uploaded to Sharepoint weekly and every course booklet is saved here - https://thejohnroanschool.sharepoint.com/sites/TJRS_Subjects_HI/Year%2013/Forms/AllItems.aspx</p> <p>1. Satchel One homework will be set each week in the run up to these exams that focuses on revision (asides from NEA)</p> <p>2. Glossaries Students have been provided with glossaries to help them define and learn key words, thinkers and events for both courses. They should be using these to revise.</p> <p>3. Timelines Students have been provided with timelines to help them visualise chronological developments thinkers for both courses. They should be using these to revise.</p>

		<p>short booster could take place on teams Tuesday 28th February (Paper 1) and Wednesday 8th March (Paper 2)</p>	<p>4. Key individuals Students have been provided with a key individuals booklet to help them remember the key politicians and individuals studied in each course. They should be using these to revise.</p> <p>5. Flashcards Students have been making these throughout the year.</p> <p>6. Exam practice Students are being set past exam questions to plan and complete.</p> <p>7. In class revision One week worth of revision in class after February half-term – completed in class.</p>
English	<p>Paper 1: Drama (Hamlet and Streetcar)</p> <p>Paper 2: Prose</p> <p>Paper 3: Poetry</p>	<p>Paper 1: Revise 'Hamlet' using the core knowledge and notes from our reading of the play: Hamlet plot and quotes key knowledge .docx</p> <p>Read the Tragedy Anthology articles to provide A05 content for your essays.</p> <p>Revise all of 'A Streetcar Named Desire' like you have been doing with your Seneca work and podcast listening. You can also watch a film version here; A Streetcar Named Desire 1995 - YouTube</p> <p>Paper 2 Revise 'Heart of Darkness' and 'The Lonely Londoners'; key themes and concepts, key moments, evidence of each writer's craft, contextual factors, connections between the texts.</p> <p>Paper 3 Revise all Romantic verse poems using the lesson notes, annotations and revision chart that you have be completing throughout the year.</p>	<p>Homework Set on Satchel every week. Please see half term homework with further Seneca and notes to complete.</p> <p>Practice Essays You can practise answering questions on the following themes: 'Hamlet': madness, uncertainty, deceit, spying, death, tragedy 'Streetcar': masculinity, death, appearance vs reality, the new South + all of the main characters in both plays.</p> <p>Homework Set on Satchel every week</p> <p>Practice Essays Complete practice questions from the papers provided in Tuesday's lesson. You can also practice answering questions on additional themes and characters.</p> <p>Practice Essays Complete practice questions from the paper provided in Tuesday's lesson. You can also practice answering questions on additional themes.</p>

		Revise all Poems of the Decade using year 12 lesson notes and annotations. Complete and use the revision chart that you have been using during Excellence Hour this half term.	Practice Essays Complete practice questions from the paper provided in Tuesday lesson.
Psychology	<p>Paper 1: Introductory topics in Psychology</p> <p>Paper 2: Psychology in Context</p> <p>Paper 3: Issues and Options in Psychology</p>	<p>All need to know spec points: Mock 2 Revision checklist.docx</p> <p>Paper 1:</p> <p>Students need to revise the entirety of year 1 introductory topics in Psychology (Social Influence, Attachment, Memory & Psychopathology), specification points found here: https://www.aqa.org.uk/subjects/psychology/as-and-a-level/psychology-7181-7182/subject-content-a-level/introductory-topics-in-psychology</p> <p>Paper 2:</p> <p>Students need to revise all of Psychology in Context, introduced in year 1 and built upon in year 2 (Approaches, Research Methods & Biopsychology), specification points found here: https://www.aqa.org.uk/subjects/psychology/as-and-a-level/psychology-7181-7182/subject-content-a-level/psychology-in-context</p> <p>Paper 3:</p> <p>Students need to revise Schizophrenia, Relationships and part of Forensic Psychology (first two spec points: offender profiling and biological explanations for offender behaviour), spec points here: https://www.aqa.org.uk/subjects/psychology/as-and-a-level/psychology-7181-7182/subject-content-a-level/issues-and-options-in-psychology</p>	<p>Extensive list of resources (with links) & how to use them: Revision resources.docx</p> <p>Practice questions Found from past papers through the AQA website.</p> <p>Textbook Reading through content and taking notes, attempt any check it questions for exam style practice and apply it: concepts questions to practice A02.</p> <p>Tutor2U Revision notes for additional reading, quizzes and videos to support understanding.</p> <p>Flashcards Build up a bank from Cornell notes already made in class to test understanding of key terms.</p> <p>Quizlet Test recall of various terms over a range of already created sets of content, or build your own.</p> <p>Seneca Retrieval practice of content and exam style question answering.</p> <p>YouTube Psychboost videos to break down content</p>
Sociology	<p>Paper 1: Education with Methods in Context and Theory and Methods.</p>	<p>P1: Students to revise all Year 12 content relating Education and Methods in context as well as research method content which will support their Theory and Methods knowledge which we have been developing from September. Students have been made aware the topics which will pop up in the exam. They have been provided with a printed specification for A level AQA Sociology (this was given SEP 22)</p>	<p>Flash Cards and Mind Maps: Students have been developing flash cards as homework.</p> <p>Seneca Students do weekly quizzes and exam style questions.</p>

	<p>Paper 2: Topics in Sociology</p> <p>Paper 3: Crime and Deviance with Theory and Methods</p>	<p>P2: Students to revise the Family and Households content covered in year 12 as well as everything we have covered this semester thus far relating to Beliefs in Society. Students have been made aware the topics which will pop up in the exam. They have been provided with a printed specification for A level AQA Sociology (this was given SEP 22)</p> <p>P3: Students have given numerous workbooks towards crime and deviance as well past paper questions</p>	<p>AQA Students are made aware of past papers, mark schemes and examiners reports.</p> <p>KO Students have been provided with simple yet detailed knowledge organisers which condenses text book information.</p> <p>Revision Guide: Students have been provided with a list of revision methods and resources they can access under the 'How to revise sociology' section in their introduction booklets.</p> <p>Past paper banks Students have been emailed various past paper banks which they can plan questions around</p> <p>Spec Textbook booklets Students have been provided with work books tailored to support their revision and catch up with topics missed last year.</p> <p>Excellence Hours Family and Households afterschool catch up sessions</p>
Business	<p>Paper 1: Marketing, people and global businesses</p> <p>Paper 2 Business activities, decisions and strategy</p>	<p>Paper 1 Paper 1 will assess marketing, people and global businesses. Questions will be drawn from Themes 1 and 4, and from local, national and global contexts.</p> <p>Paper 2 Paper 2 will assess business finance and operations, business decisions and strategy. Questions will be drawn from Themes 2 and 3, and from local, national and global contexts.</p> <p>Overview of assessment</p> <ul style="list-style-type: none"> ▪ Written examination. ▪ The each paper comprises of two sections. ▪ Students answer all questions from both sections. 	<p>Practice questions <u>Found from past papers through the Edexcel website.</u></p> <p>Textbook <u>Reading through content and taking notes, attempting exam question in the text book.</u></p> <p>Tutor2U <u>Revision notes for additional reading, quizzes and videos to support understanding.</u></p> <p>Flashcards <u>Can build up a bank from Cornell notes already made in class to test understanding of key terms.</u></p> <p>Quizlet <u>Test recall of various terms over a range of already created sets of content or build your own.</u></p> <p>Seneca <u>Retrieval practice of content and exam style question answering.</u></p> <p>YouTube <u>Subject/ content specific videos</u></p>

		<ul style="list-style-type: none"> Sections A and B each comprise one data response question broken down into a number of parts, including one extended open-response question. Duration: 2 hours. 100 marks available. 																											
		<table border="1"> <tr> <td>Theme 2 revision content</td> <td>Theme 3 revision content</td> </tr> <tr> <td>2.1 Raising finance</td> <td>3.1 Business objectives and strategy</td> </tr> <tr> <td>2.2 Financial planning</td> <td>3.2 Business growth</td> </tr> <tr> <td>2.3 Managing finance</td> <td>3.3 Decision-making techniques</td> </tr> <tr> <td>2.4 Resource management</td> <td>3.4 Influences on business decisions</td> </tr> <tr> <td>2.5 External influences</td> <td>3.5 Assessing competitiveness</td> </tr> <tr> <td></td> <td>3.6 Managing change</td> </tr> <tr> <td>Theme 1 revision content</td> <td>Theme 4 revision content</td> </tr> <tr> <td>1.1 Meeting customer needs</td> <td>4.1 Globalisation</td> </tr> <tr> <td>1.2 Market</td> <td>4.2 Global markets and business expansion</td> </tr> <tr> <td>1.3 Marketing mix and strategy</td> <td>4.3 Global marketing</td> </tr> <tr> <td>1.4 Managing people</td> <td>4.4 Global industries and companies (multinational corporations)</td> </tr> <tr> <td>1.5 Entrepreneurs and leaders</td> <td></td> </tr> </table>	Theme 2 revision content	Theme 3 revision content	2.1 Raising finance	3.1 Business objectives and strategy	2.2 Financial planning	3.2 Business growth	2.3 Managing finance	3.3 Decision-making techniques	2.4 Resource management	3.4 Influences on business decisions	2.5 External influences	3.5 Assessing competitiveness		3.6 Managing change	Theme 1 revision content	Theme 4 revision content	1.1 Meeting customer needs	4.1 Globalisation	1.2 Market	4.2 Global markets and business expansion	1.3 Marketing mix and strategy	4.3 Global marketing	1.4 Managing people	4.4 Global industries and companies (multinational corporations)	1.5 Entrepreneurs and leaders		
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Spanish	<p>Paper 1: Listening, Reading and Writing</p> <p>Paper 2: Writing</p>	<p>Paper 1</p> <p>Listening: comprehension questions and a summary question</p> <p>Reading: comprehension questions, summary questions, translation into Spanish, translation into English</p> <p>Paper 2</p> <p>Essay questions: film and chosen text</p>	<p>Practice Questions Reading & Listening questions set by your teacher</p> <p>Summary & Translation Activities will be completed in class and resources provided on SMHW</p> <p>La Casa de Bernarda Alba Hodder Study Guide</p>																										

			<p>Reading set on SMHW</p> <p>SENECA Topic vocabulary and grammar</p> <p>Quizlet Topic vocabulary lists</p> <p>ActiveLearn Reading, listening and grammar tasks set by teacher</p>
Maths	<p>13MSA:Paper 1</p> <p>13MSA:Paper 2</p>	<p>Paper 1</p> <p>Formal proof • The factor theorem • Understand and use graphs of functions • Use intersection points of graphs to solve equations • Transformations of a curve • Use of functions in modelling • The coordinate geometry of the circle • Arithmetic sequences and series • Differentiation: stationary points, minima. Radian measure • Trigonometric identities and equations • Trigonometric functions and identities: area under a curve • Exponentials: Solving equations, rate of change • Maximum point; iteration • Integration as a limit • Methods of integration • Use vectors to solve a problem in pure mathematics</p> <p>Paper 2</p> <p>Formal proof • The modulus of a linear function • Understand and use function notation • The binomial expansion • Sequence generated by an iterative formula • Geometric sequences and series; trigonometric identities • Use of a trigonometric function • The function ax and its graph • Differentiation; roots of equations • Differentiation from first principles • Find maximum and minimum points; Newton- Raphson method • Differentiation of curves defined parametrically • Area under a curve • Solution of a first order differential equation; partial fractions • The trapezium rule • Use vectors to solve problems in pure mathematics</p> <p>Paper 1</p> <p>Formal proof • The factor theorem • Understand and use graphs of functions • Use intersection points of graphs to solve equations • Transformations of a curve • Use of functions in modelling • The coordinate geometry of the</p>	<p><u>SharePoint</u> Students have access to videos and PowerPoints that they can use to revise the content.</p> <p><u>Exam Questions</u> Students also have access to past exam papers and mark schemes via SMHW, maths physic tutor and maths genie.</p> <p><u>Revision Guides</u> Students can also use the work booklets used in class and homework tasks to prepare for their exam.</p>

	<p>13FAP:Paper 1</p> <p>13FAP:Paper 2</p>	<p>circle • Arithmetic sequences and series • Differentiation: stationary points, minima. Radian measure • Trigonometric identities and equations • Exponentials: Solving equations, rate of change • Maximum point; iteration, Vectors AS, Area under Curve AS, Binomial Expansion A2</p> <p>Paper 2</p> <p>Formal proof • The modulus of a linear function • Understand and use function notation • The binomial expansion • Sequence generated by an iterative formula • Geometric sequences and series; trigonometric identities • Use of a trigonometric function • The function ax and its graph • Differentiation; roots of equations • Differentiation from first principles • Find maximum and minimum points; Newton- Raphson method • Differentiation of curves defined parametrically • Area under a curve • Solution of a first order differential equation; partial fractions , Solving Parametric equations A2, Differentiation A2, Small Angle Approximation A2</p>	
Further Maths	<p>Paper 1: Decision Mathematics 1</p> <p>Paper 2: CP1</p>	<p>Bin packing • Sorts; Flow charts • Dijkstra's algorithm; Shortest inspection route around a network. • Floyd's algorithm; Nearest neighbour algorithm • Critical Path Analysis including Gantt charts and resource histograms • Formulating and using Simplex to solve a linear programme • Big-M method</p> <p>Proof by induction • Complex numbers: Loci in the Argand diagram. Knowledge of radians is assumed • Matrices: Solution of three linear simultaneous equations in three variables • Matrix representation of simple transformations in 3-D • The relationship between roots and coefficients of polynomial equations • Understand and use formulae for the sums of integers, squares and cubes and use these to sum other series • Volumes of revolution • Vectors: Straight lines and planes, scalar product</p>	<p><u>SharePoint</u> Students have access to videos and PowerPoints that they can use to revise the content.</p> <p><u>Exam Questions</u> Students also have access to past exam papers and mark schemes via SMHW, maths physic tutor and maths genie.</p> <p><u>Revision Guides</u> Students can also use the work booklets used in class and homework tasks to prepare for their exam.</p>

Core Maths	1 Paper: Comprehension	Calculating percentage of amount, Probability Trees and calculating with probabilities, and Calculating Standard deviation, Proportions and applications, Moving average and their applications, Percentage decrease and increase, Estimating mean from tables, Dependent and independent events, Spearman's Rank correlation coefficient and its applications	Project book, Your folders and Youtube videos
Physics	Paper 2: Exploring Physics Paper 3: Unified Physics	Paper 2 covers content from Modules 1, 2, 4 and 6. Practice papers are papers that are titled Paper 2 Exploring Physics – code H556/01. Paper 1 covers content from all Modules 1, 2, 3, 4, 5 and 6. Practice papers are papers that are titled Paper 3 Unified Physics – code H556/03. This is chapters 1-24 of the text book.	<u>Revision Cards</u> Students have been provided with a set of revision cards and they have been set homework each week to make their own revision notes on these cards. <u>Revision Guides</u> Students also have access to a revision materials online and via SMHW that they can use. <u>Exam Practice</u> Students have access to past papers and markschemes, as well as how to answer videos. These have been shared via SMHW <u>Seneca</u> Students have access to materials on Seneca.
Biology	Paper 2: Biological Diversity Paper 3: Unified Biology	Paper 2 covers content from Modules 1, 2, 4 and 6. Practice papers are papers that are titled paper 2 Biological Diversity– code H420/02. Paper 3 covers content from all Modules 1, 2, 3, 4, 5 and 6. Practice papers are papers that are titled paper 3 – Unified Biology – code H420/03. This is chapters 1-22 of the text book.	<u>Revision Guides</u> Students also have access to a revision materials online and via SMHW that they can use. <u>Exam Practice</u> Students have access to past papers and markschemes. These have been shared via SMHW <u>Seneca</u> Students have access to materials on Seneca.
Chemistry	Paper 1: Periodic Table, Elements and Physical Chemistry Paper 3: Unified Chemistry	Paper 1 covers content from Modules 1, 2, 3 and 5. Practice papers are papers that are titled paper 1 Periodic Table, Elements and Physical Chemistry – code H432/01. Paper 3 covers content from all Modules 1, 2, 3, 4, 5 and 6. Practice papers are papers that are titled paper 3 Unified Chemistry – code H432/03. The content is chapters 1-20, 23 and 25-29 of the text book.	<u>Revision Guides</u> Students also have access to a revision materials online and via SMHW that they can use. <u>Exam Practice</u> Students have access to past papers and markschemes. These have been shared via SMHW <u>Seneca</u> Students have access to materials on Seneca. PMT website Revision materials such as Notes, Videos and exam questions by topic with mark scheme. They also offer revision lessons. Save my Exams

			Revision notes and quizzes
Music	Appraising paper Performing Paper	AOS A the development of the symphony AOS C Musicals AOS E Into the twentieth century Set works Haydn, Mendelssohn, Poulenc and Debussy Students will be expected to perform two of the pieces from their repertoire for their final exam.	Exercise books Text Books Shared resources Practice Essays from SMHW
Photography		No written paper (Working on a final piece, practical exam)	
Geography		<p>Paper 1 =</p> <ul style="list-style-type: none"> ▪ Tectonics (16 marks) ▪ Coasts (40 marks) ▪ Water (20 marks) ▪ Carbon (20 marks) <p>Paper 2 =</p> <ul style="list-style-type: none"> ▪ Globalisation (16 marks) ▪ Regeneration (35 marks) 	<p>Satchel HW tasks are set on a weekly basis that are specifically focused on revision.</p> <p>Glossaries Students have been provided with glossary booklets.</p> <p>Revision Guides Each student has been provided with a revision guide and this should be used to facilitate and guide revision.</p> <p>Exam Practice Students have been provided a bank of exam questions that can facilitate revision. These can be found on their file dividers.</p> <p>File Dividers These include essential information such as topics, case studies, example exam questions & page numbers linking the topic to the textbook and revision guide.</p> <p>Seneca Seneca has been set for students across all content required for the exam.</p>