



# Beths Grammar School

an 11 – 18 selective school with academy status

Headteacher: Mr R J Blyghton

Hartford Road, Bexley, Kent DA5 1NE Tel: 01322 556538 Fax: 01322 621212

Email: [admin@beths.bexley.sch.uk](mailto:admin@beths.bexley.sch.uk) Website: [www.beths.bexley.sch.uk](http://www.beths.bexley.sch.uk)



Dear Parent/Carer,

## **Ref: Year 13 Trial Exams**

Monday 29 January – Friday 9 February 2024 is the Trial Exam period for Year 13 students and attached is the timetable and the topic to revise list.

The purpose of this week is not only to prepare them for the feel of what to expect in the actual exams, but also to give subject teachers an opportunity to make an assessment of what your young person is capable of achieving under exam conditions.

I would ask that you kindly assist us in preparing your young person for these exams. Students will be on Study Leave for the duration of these exams; they are expected to be on the Hard courts 15 mins before the start of each exam.

## **Exam times:**

Session 1 – 09.00am

Session 3 -13.00pm

## **Exam Procedure for Students:**

Please be advised of the following procedures which all students must follow;

- Arrive on time and fully prepared with the correct equipment – pens, pencils, ruler, eraser, and calculator (where required).
- Ensure all equipment is stored in a **clear pencil case or plastic bag**.
- Students **must not** take into the main hall any unauthorised materials or equipment which might give them an unfair advantage such as notes, calculator cases/instruction leaflets, bags, mobile phones/tablets/ MP3 players/smart watches.
- Students may have a clear water bottle with a 'sports top', to prevent any spillages, (labels must be removed from the bottle).
- All students must be punctual for these assessments. This means being outside the Sports Hall at least 15 minutes before the start of the exams.
- Students must deposit their bags in either S0 or Hut 3 classrooms before waiting outside the Sports Hall (Science block end)
- If students would like to revise between an AM and PM exam they must go to the LRC
- Upon entering the main hall students will be under exam conditions and must be complete **silence at all times**.
- Once in the main hall students must find their desk and take a seat at that desk.
- All exams must be written in **black ink**.
- No correction fluid or pen erasers should be used; if you make a mistake, cross it out with a single line and start again.
- **All students should be wearing full school uniform.**

Please be advised that the school will not be handing out any stationery. Therefore, it is essential that all students come prepared.

Yours sincerely,

Exams

## **YEAR 13 TRIAL EXAMS TIMETABLE**

	<b>9am</b>	<b>1pm</b>
<b>MONDAY 29 JAN</b>	GEOGRAPHY (2hrs 30) DRAMA (2hrs 30) CLASS CIV (1hr 45)	ECONOMICS Paper 1 (2hrs)
<b>TUESDAY 30 JAN</b>	MATHS (2hrs)	SOCIOLOGY (2hrs) FURTHER MATHS (1hr 30) BIOLOGY (2hrs)
<b>WEDNESDAY 31 JAN</b>	PSYCHOLOGY (2hrs) ELECTRONICS (2hrs 45) DT (TBC)	BUSINESS (2hrs) CLASS CIV (2hrs 20)
<b>THURSDAY 1 FEB</b>	COMPUTER SCIENCE (2hrs 30) PHILOSOPHY (2hrs)	PE (2hrs) ENGLISH LITERATURE (2hrs 15) RS (2hrs)  *FRENCH (2hrs 30) *SPANISH (2hrs 30) *CHINESE (2hrs 30) * will take place in S14
<b>FRIDAY 2 FEB</b>	HISTORY (2hrs 15) PHYSICS (2hrs 15)	LAW (2hrs) CHINESE (2hrs)

	<b>9am</b>	<b>1pm</b>
<b>MONDAY 5 FEB</b>	CHEMISTRY (2hrs 15) FILM (2hrs 30) POLITICS (2hrs) RS (2hrs)	ECONOMICS Paper 2 (2hrs)
<b>TUESDAY 6 FEB</b>	COMPUTER SCIENCE (2hrs 30) PHILOSOPHY (2hrs) SPANISH (2hrs) FRENCH (2hrs)	MATHS (2hrs)
<b>WEDNESDAY 7 FEB</b>	PSYCHOLOGY (2hrs) ELECTRONICS (2hrs 45) MANDARIN (2hrs)	SOCIOLOGY (2hrs) FURTHER MATHS (1hr 30) MUSIC P1
<b>THURSDAY 8 FEB</b>	ENGLISH LITERATURE (2hrs 15) PE (2hrs)	POLITICS (2hrs) RS (2hrs)
<b>FRIDAY 9 FEB</b>	HISTORY (2hrs 15)	

## YEAR 13 TRIAL EXAMINATIONS JANUARY/FEBRUARY 2024

### REVISION TOPIC LISTS

SUBJECT	TOPICS TO REVISE	ADVICE FROM TEACHERS
<b>Biology</b>	Topics 1-6- The Natural Environment and Species Survival	Each question is set in a context Each question is made up of several parts
<b>Business</b>	Topic 1 - 6 *to include any aspect taught to date (topic 7 & 9)	<ul style="list-style-type: none"> <li>• Answer all questions in Section A and Section B.</li> <li>• Answer ONE question from Section C and ONE question from Section D.</li> <li>• You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.</li> <li>• If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).</li> </ul> Cross through any work you do not want to be marked.
<b>Chemistry</b>	In Part A: Modules 1,2,3 and 5 up to and including Kp. In part B Modules 4 and 6.	Spend equal time on each part. Qs from past papers.
<b>Classical Civilisation</b>	World of the Hero: Odyssey: Xenia Aeneid: Dido Odyssey: Goddesses and women Aeneid: hope vs despair  Democracy And The Athenians: Cleisthenes's reforms	Paper 1 Total marks is 100 Section A – Answer all the questions on Odyssey. Section B – Answer all the questions. Section C – Answer Question 7 and one question from Questions 8, 9 and 10.  Paper 2 Total marks is 75

	Solon's reforms Organs of democracy	Answer all the questions in Section A and one question in Section B
<b>Computer Science</b>	Revision Topics <b>Module 1</b> Types of software Open/Closed Software OS Networking & Protocols Types of Processors and Interrupts Memory Management Data Structures Algorithms Data / Binary High Level Language / Low Level Language Encryption HTML/CSS Legislation Databases / SQL Logic Gates Karnaugh Maps  <b>Module 2</b> IDE's Data Structures (inc trees, graphs, in fact most structures) Algorithms inc related to data structures Subroutines, Functions, Parameters, Variables (local/global) Shortest Pathfinding Algorithms Abstraction, Problem Recognition / Decomposition Programming Constructs plus Recursion Big O Notation OOP Search and Sort Techniques	No Calculator Allowed

	Thinking concurrently	
<b>Drama</b>	<p>All three set texts should be revised ready for the exam.</p> <p>Sound and Lighting</p> <p>Character acting and motivation</p> <p>Character vocal and physical skills</p> <p>Themes of the play</p> <p>Set and props design</p> <p>Live Theatre</p> <p>Stage Layout and design</p> <p>Movement and positioning</p> <p>Interaction of characters</p>	<p>Spend 50 minutes on each section of the paper - 50 mins on Section A (10 and 30 marks), 50 mins on Section B (40 marks), 50 mins on section C (40 marks).</p> <p>Live theatre is only needed in Section B and C</p>
<b>Economics</b>	<p><b>Microeconomics:</b></p> <p>Economic methodology and the economic problem</p> <p>Price determination in a competitive market</p> <p>Individual economic decision making (behavioural economics)</p> <p>production, costs, revenues and profits</p> <p>the theory of market structures</p> <p><b>Macroeconomics:</b></p> <p>How the macroeconomy works</p> <p>Financial markets and monetary policy</p> <p>Fiscal and supply side policy</p> <p>The international economy</p>	<p>Paper will consist of:</p> <p>Paper 1 - Micro and Paper 2 - Macro</p> <p>Section A (case study)</p> <p>2, 4, 9 and 25 mark question.</p> <p>Section B - Choice of two 15 mark questions - only answer one.</p> <p>Choice of two 25 mark essay questions - only answer one.</p> <p>You should spend 1 hour on section A and 1 hour on section B.</p> <p>You should bring a ruler and calculator.</p>
<b>Electronics</b>	<p>AS</p> <p>Core concepts</p> <p>Chapter 1 - Logic systems</p> <p>Chapter 2 - Timing Circuits</p> <p>Chapter 3 - Sequential Logic Systems</p> <p>Chapter 4 - Operational amplifiers</p> <p>Chapter 5 - Semi-conductor components</p> <p>Chapter 6 - Microcontrollers</p> <p>Chapter 7 - Main power supply systems</p> <p>A2</p>	<p>Make sure you go over previous past papers - the two papers (C1 and C2) will follow the same format and style of questions. Remember that 10% of C1 content can be examined in C2 and vice versa. This is usually content that works universally, e.g. transistor switching, voltage dividers, AC circuits etc.</p> <p>You will need a calculator, black pen, pencil, sharpener and eraser, and you are guaranteed a higher mark if you tuck chocolate inside the answer sheets.</p>

	Chapter 1: Further Sequential Logic Systems Chapter 2: Further Mains Power Supply Systems Chapter 3: Further Microcontrollers Chapter 4: AC Circuits and Passive Filters: Chapter 5: Signal conversion Chapter 6: Audio Systems Chapter 7: Instrumentation systems Chapter 8: High power switching systems Chapter 9: Communications systems Chapter 10: Wireless transmission Chapter 11: Digital Communications Chapter 12 : Optical Communications	
<b>English Literature</b>	Othello Streetcar Poems of the Decade Romantics	As above. Critics needed for Othello unit.
<b>Film</b>	Pan's Labrinth City of God (Section A)	Rewatch the films; go back through your notes from lessons and add to them; remember the key areas of focus for each film and the skills you are being asked to demonstrate; practice planning essays; practice writing essays; use the Educas website to help you.
<b>Further Maths</b>	The papers will cover the Core Pure Content.	FM students will also sit the Maths papers
<b>Geography</b>	Contemporary Urban Environments, Ecosystems Under Stress (up to Rainforests) and analyse/ assess 6 mark questions on Coasts and Changing Places.	CUE- 4-6-9-9-20 EUS- 4-6-9-9-20 Coasts- 6-6 CP- 6-6 1.25 mins per mark You will need a calculator, pencil, ruler and pens.
<b>History</b>	Stuarts - Politics 1625-49 and 1649-60 Stuarts - Religion - all 1625-88 Stuarts - Society - Population, Poverty, Philosophy, Science and Political Ideas Stuarts - Economy - Agriculture, Trade, Banking and Insurance	Paper 1 - Stuarts - answer 2 knowledge questions in total and a Glorious Revolution question Paper 2 - Russia & Poverty - answer 1 knowledge question (Russia), 1 source question (Russia) and 1 knowledge question (Poverty). You must write in black pen on the examination papers.

	<p>Stuarts - Glorious Revolution</p> <p>Russia - causes of the February Revolution 1917</p> <p>Russia - causes and events of the October Revolution 1917</p> <p>Russia - Bolshevik Consolidation of Power 1917-21</p> <p>Poverty - Chapter 3: Less eligibility</p>	All exam advice, topic lists to revise and revision materials can be found on Microsoft Teams in Files.
<b>Mandarin</b>	<p>Four Themes:</p> <ol style="list-style-type: none"> <li>1. Changes in contemporary Chinese Society</li> <li>2. Chinese culture</li> <li>3. Evolving Chinese society</li> <li>4. The impact of reform and opening up in 1978 on China</li> </ol>	<p>Paper 1- suggested time allocation is 50mins for reading, 50 mins for listening and 20 mins for translation. You can do the listening using individual computer, but do not spend too much time for listening</p> <p>Paper2- You can not take any notes for literature and documentary with you in the exam. Make sure that you recite the evidence you intend to use.</p>
<b>Maths</b>	The papers will cover all of the Pure Content from years 1 and 2	Calculator required
<b>MFL - French/Spanish</b>	Mock 1 Preparation pack to be distributed to students (each MFL subject is slightly different)	Mock 1 Preparation pack to be distributed to students (each MFL subject is slightly different)
<b>Music</b>	We will be covering a full exam including Area of Study A: The Development of the Symphony 1750-1900, Area of Study E: 20th Century Music, Area of Study C: Musicals. When marking the essay, there will be a degree of understanding that you have limited references for the Romantic period, but do include potential answers if you have any.	<p>I would recommend that you bring pencil to use in initial ideas for the dictation. Please remember that you will cover Area of Study C first, followed by Area of Study E. Then you will complete the dictation question and unknown listening. Followed by Area of Study A questions. Your essay question response needs to include references to both the Haydn and Mendelssohn set works within your answer, as well as a range of other symphonies throughout the time periods covered. You will have blank scores of both set works within the exam.</p>
<b>Philosophy</b>	All topics in Year 12 for Epistemology and Moral Philosophy. All current Year 13 work that is completed.	<p>Papers will have 3, 5, 12-mark questions. Each paper will have only one 25-mark question. Refer back to structure a 25 marker in Ms. Vraitch-Chahil's lesson. Ensure you know your Philosophy so that applying it to the question will be easier. Refer back to all practice questions you have been given and do these. They will help.</p>

<b>Physical Education</b>	<p>From Skill Acquisition and Sport Psychology Units. 4.1 4.2 4.4 4.5 5.1 5.2 11.1 11.2 11.3 11.4</p> <p>Socio Cultural: This will be targeted only at topics that can be included in the EAPI 12.3 12.4 6.2 6.3</p>	<p>Each paper will follow the format of the summer exam. Anatomy and Physiology will be a 90 mark paper with a 20 mark levels question.</p> <p>Socio Cultural will be a 60 mark paper with a 10 mark levels question</p> <p>Skill Acquisition and Sport Psychology will be a 60 mark paper with a 10 mark levels question</p>
<b>Physics</b>	<p>Modules 1, 2, 3, 4, 5.1, 5.2, 5.3, 6.1, 6.2, 6.3 and 6.4</p>	<p>Required equipment: Scientific calculator, 30 cm ruler, HB pencil for graphs/diagrams, eraser.</p> <p>100 marks in total.</p> <p>15 MCQ's.</p> <p>Two extended response questions.</p>
<b>Politics</b>	<p>Paper 1:</p> <p>Section A</p> <p>Parliament</p> <p>UK Constitution</p> <p>Section B</p> <p>Electoral Systems</p> <p>Democracy and Participation</p> <p>Section C</p> <p>Liberalism</p> <p>Paper 2:</p> <p>Section A</p> <p>US and UK Political parties</p> <p>US / UK Supreme Courts</p> <p>Section B</p> <p>President</p> <p>Prime Minister</p>	<p>Paper 1 is an amalgamation of Components 1 and 2</p> <p>Paper 2 is Component 3.</p> <p>For each section (except Section B on Paper 2) you must choose to answer ONE question from a choice of two.</p>



	Section C Congress President Supreme Court	
<b>Product Design</b>	Theory Topics 1.1-1.7 [Materials] 2.1, 3.1, 3.2, 3.3, 3.4,3.5, 4.1, 5.1, 5.2, 5.3, 5.4, 6.1 and 7.1	The first few questions are short answers or a single word. The latter part of the paper are the 6, 9 and 12 mark questions. This will require detailed answers using command words such as explain, evaluate and discuss. Writing clear bullet point sentences with a justification is a better way to respond to the 9 and 12 mark questions.
<b>Psychology</b>	Paper 1 - Social Influence, Memory, Attachment and Psychopathology Paper 2 - Gender, Schizophrenia and Research Methods	They will need calculator for both papers. Each section is timed for half hour long worth 24 marks except for Research method section which is 48 marks and structured for 1 hour long. Students should time themselves when revising using past papers questions. The papers have a mixture of MCQ, short and long answers.
<b>RS</b>	Religion and ethics: Book 1 (theme 1 ethical thought, theme 2 Aquinas Natural Law, theme 4 Utilitarianism). Christianity: Book 1 (theme 3 religious life, theme 4 Religious practices that shape identity). Book 2( theme 3 Significant historical developments in religious thought). Philosophy: Book 1 (theme 3 evil and suffering, theme 1 arguments for the existence of God). Book 2 (theme 2 challenges to religious belief religious belief as a product of the human mind).	Each exam paper will be two hours long. You will have to answer 2/3 questions for each section. In the actual A-level paper you will have to answer 2/5 questions. You just need a pen.
<b>Sociology</b>	Paper 1 (Family and Beliefs) Definitions of religion Theories of religion (Marxist, Neo-Marxist, Feminist, Functionalist) Ideology (Features of ideology, Marxism, Nationalism, Ideology & Utopia and Feminism, Comparisons between ideology and religion) Open and closed systems Comparisons between science and religion	Answer all questions on both papers.  Each paper is out of 80 marks.

	<p>Social change (Religion as a conservative force/religion as a force for social change)</p> <p>Secularisation (UK, Europe &amp; America. Explanations for secularisation and arguments that secularisation is not occurring. Explanations for patterns of religion in America)</p> <p>Religious organisations, including cults, sects, denominations, churches and New Age movements, and their relationship to religious and spiritual belief and practice</p> <p>The relationship between different social groups including class, gender, ethnicity and age, and religious/spiritual organisations and movements, beliefs and practices.</p> <p>Paper 2 (Crime and Theory and Methods)</p> <p>Class, Power and Crime</p> <p>Realist Theories of Crime</p> <p>Gender, Crime and Justice</p> <p>Ethnicity, Crime and Justice</p> <p>Research Methods</p> <p>Theories</p>	
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