

## Year 13 Mock Examinations

Monday 9<sup>th</sup> January 2023 and Friday 20<sup>th</sup> January 2023

Subject	Summary of Exam (Type/length)	Topic content
<b>Art</b>	<p>Session 1: 5 hours Session 2: 5 hours</p>	<p><b>Component 1: Outcome (10hrs)</b> Following on from the tutorial sessions, explore ideas in your sketchbook developing your concept further. It is important to explore themes referencing your focused artists, acting on feedback and next steps prior to the mock exam. You must be at the final development stage with a completed sketchbook to be handed in on completion of the mock. Please note this is the final completion date for coursework. There is no extension to this date.</p>
<b>Biology</b>	<p><b>Paper 1</b> 90 Minutes Total Marks: 80 marks The paper will have two sections.</p> <p><b>Section A:</b> 20 marks This will consist of multiple-choice questions</p> <p><b>Section B:</b> 60 marks This will consist of structured questions.</p> <p><b>Paper 2:</b> 90 minutes Total Marks: 80 marks The paper will have two sections.</p> <p><b>Section A:</b> 20 marks This will consist of multiple-choice questions.</p> <p><b>Section B:</b> 60 marks This will consist of structured questions.</p>	<p><b>Paper 1</b> The topics that will be covered are as follows.</p> <ul style="list-style-type: none"> <li>• Module 1: Practical Skills</li> <li>• Module 2: Foundations in Biology</li> <li>• Module 3: Exchange and Transport</li> <li>• Module 5: Only Chapter 13 Neuronal Communication</li> </ul> <p><b>Paper 2</b> The topics that will be covered are as follows.</p> <ul style="list-style-type: none"> <li>• Module 1: Practical Skills</li> <li>• Module 2: Foundations in Biology</li> <li>• Module 4: Biodiversity, Evolution and Diseases</li> <li>• Module 5: Only Chapter 18, plus 17.1 and 17.2 from Chapter 17</li> </ul>

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<b>Business</b>	<p><b>Paper 1</b> 90 minutes Traditional paper one, only change is, one of the two 25 mark essays has been removed.</p> <p><b>Paper 3</b> 90 minutes Four questions of: 12, 16, 20 and 24 marks. Based on one case study and you knowledge of business.</p>	<p><b>Paper 1 Topics</b></p> <ul style="list-style-type: none"> <li>• Leadership styles</li> <li>• SWOT</li> <li>• Types of ownership</li> <li>• Strategic decision making (including Ansoff and Porter)</li> <li>• Costs, revenues and profits</li> <li>• Exchange rates</li> <li>• Ratio analysis</li> <li>• Variance analysis</li> <li>• Growth</li> <li>• Elasticity of demand</li> <li>• Capacity and capacity utilisation</li> <li>• Organisation structures</li> <li>• Market size and growth</li> <li>• Labour force calculations</li> <li>• Intrapreneurship</li> <li>• Stakeholders</li> <li>• External influences</li> </ul> <p><b>Paper 3 Topics</b></p> <ul style="list-style-type: none"> <li>• Stakeholders</li> <li>• Measuring business success</li> <li>• Leadership styles and objectives</li> <li>• CSR</li> </ul>
<b>Chemistry</b>	<p><b>Paper 1</b> 90 minutes Advanced Inorganic and Physical Chemistry</p> <p><b>Paper 2</b> 90 minutes Advanced Organic and Physical Chemistry</p>	<p><b>Paper 1 Topics:</b></p> <ul style="list-style-type: none"> <li>• Topic 1 Atomic structure and the Periodic Table</li> <li>• Topic 2 Bonding and Structure</li> <li>• Topic 3 Redox 1</li> <li>• Topic 4 Inorganic Chemistry and the Periodic Table</li> <li>• Topic 5 Formulae, Equations and Amounts of Substance</li> <li>• Topic 8 Energetics I</li> <li>• Topic 10 and Topic 11 Equilibrium I &amp; II</li> <li>• Topic 12 Acid-Base Equilibria</li> <li>• Topic 13 Energetics II</li> <li>• Topic 14 Redox II</li> </ul> <p><b>Paper 2 Topics:</b></p> <ul style="list-style-type: none"> <li>• Topic 2 Bonding and Structure</li> <li>• Topic 3 Redox 1</li> <li>• Topic 5 Formulae, Equations and Amounts of Substance</li> <li>• Topic 6 Organic Chemistry I</li> <li>• Topic 7 Modern Analytical Techniques I</li> <li>• Topic 8 Energetics I</li> <li>• Topic 9 Kinetics I</li> <li>• Topic 13 Energetics II</li> <li>• Topic 14 Redox II</li> </ul>

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<b>Computer Science</b>	<p style="text-align: center;"><b>Paper 1</b> Computer Systems 90 minutes 87 Marks</p> <p style="text-align: center;"><b>Paper 2</b> Algorithms and Programming 90 minutes 84 Marks</p>	<p><b>Paper 1 Topics:</b></p> <ul style="list-style-type: none"> <li>• CPU architecture and factors affecting performance</li> <li>• Fetch – Decode – Execute</li> <li>• Little Man Computing</li> <li>• Databases – SQL and key terms</li> <li>• Compression</li> <li>• Object orientated programming</li> <li>• Data representation – binary conversion, floating point, normalization</li> <li>• Artificial Intelligence and its impact on discrimination</li> <li>• Algorithm Tracing</li> <li>• Translating code – compiler and interpreter</li> <li>• Stages of compilation</li> <li>• Character Sets</li> </ul> <p><b>Paper 2:</b></p> <ul style="list-style-type: none"> <li>• Binary and Linear Search</li> <li>• Sorting algorithms – Bubble, Insertion and Merge</li> <li>• Big O Notation</li> <li>• Computational Thinking – abstraction, decomposition</li> <li>• Passing by value and reference</li> <li>• Global and Local variables</li> <li>• Data Structures – Binary Tree, Graphs (Dijkstra’s Algorithm), Stacks</li> <li>• Programming Techniques – Arrays, Recursion, Functions</li> </ul>
<b>Economics</b>	<p style="text-align: center;"><b>Paper 1</b> Microeconomics Themes 1 and 3 1 hour 30 minutes</p> <p style="text-align: center;"><b>Paper 2</b> Macroeconomics Themes 2 and 4 1 hour 30 minutes</p>	<p><b>Paper 1 Topics:</b></p> <ul style="list-style-type: none"> <li>• Supply and demand</li> <li>• Price determination and consumer/producer surplus</li> <li>• Elasticity</li> <li>• Consumer spending/producer income</li> <li>• Global warming and externalities</li> <li>• Understanding of microeconomic effects</li> <li>• Costs and Revenues – to include calculations</li> <li>• Perfect competition</li> <li>• Monopoly</li> </ul> <p><b>Paper 2 Topics:</b></p> <ul style="list-style-type: none"> <li>• Monetary policy</li> <li>• Inflation</li> <li>• Multiplier</li> <li>• Circular flow of income</li> <li>• AS/AD</li> <li>• Protectionism</li> <li>• International competitiveness</li> <li>• Fiscal policy</li> <li>• Globalisation</li> </ul>

Subject	Summary of Exam (Type/length)	Topic content
English Literature	<p><b>Paper 3</b> Poetry Split over 2 sessions</p> <p><b>Paper 1</b> Post-2000 Poetry 10 named poems to revise 1 hour 15 minutes</p> <p><b>Paper 2</b> Christina Rossetti A group of named poems 1 hour</p>	<p><b>Post 2000 Poetry</b> You will have a choice of two questions. The questions will each name a poem on the anthology to compare to the unseen poem. Please Revise: Effects, A Minor Role, On Her Blindness, To My Nine Year Old Self, An Easy Passage, Genetics, The Deliver, Eat Me, The Gun, The Lammas Hireling Christina Rossetti You will have a choice of two questions, each with a named Rossetti poem. You will have to pick another poem from the anthology to compare it to.</p> <p>Please Revise: Babylon the Great, Twice, Maude Clare, An Apple – Gathering, Remember, At Home, The World Consider the following themes:</p> <ul style="list-style-type: none"> <li>• Death</li> <li>• The way women are portrayed</li> <li>• Temptation</li> </ul>
French	<p><b>Paper 1</b> Listening and Reading Types of questions: Multiple choice Answer in French Summarise a recording in French</p> <p><b>Paper 2</b> Writing and translations</p>	<p><b>Paper 1 topics:</b></p> <ul style="list-style-type: none"> <li>- Les changement dans les structures familiales</li> <li>- La musique</li> <li>- L'impact positif de l'immigration</li> <li>- La France sous l'Occupation</li> <li>- Les festivals</li> </ul> <p><b>Paper 2 topics:</b></p> <ul style="list-style-type: none"> <li>- Essay on La Haine</li> <li>- Media</li> <li>- Education</li> </ul>

<p><b>Geography</b></p>	<p><b>Paper 1</b> Physical Geography 90 minutes</p> <p><b>Paper 2</b> Human Geography 90 minutes</p>	<p><b>Paper 1</b> <b>Coastal Systems and Landscapes</b></p> <ul style="list-style-type: none"> <li>• Coasts as natural systems - inputs, outputs, stores and transfers and how the coast demonstrates dynamic equilibrium, factors determining the energy of waves and wave types</li> <li>• Systems and processes - Sediment cells, erosion, transportation and deposition, weathering and mass movement, wave refraction</li> <li>• Coastal landscape development - landforms of erosion and deposition, and how landscapes change over time</li> <li>• Coastal Management - hard and soft engineering strategies, shoreline management plans and coastline strategies</li> <li>• Coastal case studies - UK landscapes = Lyme Regis, Dorset and coastline beyond the UK = Odisha, India</li> </ul> <p><b>Hazards</b></p> <ul style="list-style-type: none"> <li>• The concept of hazards in a geographical context - physical and human factors determining the impacts of hazards, the Park Model and Hazard Management Cycle</li> <li>• Plate tectonics - the structure of the earth and the types of plate boundaries</li> <li>• Volcanic hazards - causes, impacts, responses and management and their relation to plate tectonics</li> <li>• Seismic hazards - causes, impacts, responses and management and their relation to plate tectonics</li> <li>• Storm Hazards - causes, impacts, responses and management and their relation to plate tectonics</li> <li>• Fire hazards - causes, impacts, responses and management and their relation to plate tectonics</li> <li>• Hazard case studies <ul style="list-style-type: none"> <li>• Eyjafjallajokull volcano 2010</li> <li>• Mount Merapi, Indonesia 2010</li> <li>• Haiti earthquake 2010</li> <li>• Japan Tohoku earthquake 2011</li> <li>• Hurricane Sandy, 2012</li> <li>• Typhoon Haiyan, 2013</li> <li>• Alberta wildfire, Canada, 2016</li> </ul> </li> </ul> <p><b>Paper 2</b> <b>Global Systems and Governance</b></p> <ul style="list-style-type: none"> <li>• Globalisation <ul style="list-style-type: none"> <li>o Dimensions of globalization: <ul style="list-style-type: none"> <li>▪ Flows of capital, labour, products, service and information</li> <li>▪ Patterns of production, distribution and consumption</li> </ul> </li> <li>o Factors in globalization: <ul style="list-style-type: none"> <li>▪ The development of technologies, systems and relationships</li> <li>▪ Trade agreements</li> </ul> </li> </ul> </li> <li>• Global Systems <ul style="list-style-type: none"> <li>o Unequal flows of people, money, ideas and technology</li> </ul> </li> </ul>
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- o Unequal power relations
- International trade and access to markets
  - o Global features and trends in the pattern of international trade and investment associated with globalization.
  - o Trading relationships
  - o Differential access to markets associated with levels of development and trade agreements.
  - o The nature and role of TNCs (spatial organization, production, linkages, trading and marketing patterns)
  - o World trade in a food commodity
- Global governance
  - o The emergence and developing role of norms, laws and institutions in regulating and reproducing global systems
  - o Agencies promote growth but may also exacerbate inequalities
- The global commons
- Antarctica as a global common (threats arising from climate change, fishing and whaling, mineral resources, tourism and scientific research.

#### **Contemporary Urban Environments**

- Urbanisation
  - o Global patterns
  - o Urbanisation, suburbanization, counter-urbanisation, urban resurgence
  - o Economic, social, technological, political and demographic processes associated with urbanization and urban growth.
  - o Urban change: deindustrialisation, decentralization, rise of service economy
  - o Urban policy and regeneration in Britain since 1979
- Urban forms
  - o Contemporary characteristics
  - o Physical and human factors in urban forms.
  - o Spatial patterns of land use, economic inequality, social segregation and cultural diversity in contrasting urban areas
  - o New urban landscapes: town center mixed developments, cultural and heritage quarters. Fortress developments. Gentrified areas, edge cities.
  - o The concept of the post modern western city.
- Social and economic issues associated with urbanization
  - o Issues associated with economic inequality, social segregation and cultural diversity in contrasting urban areas.
  - o Strategies to manage these issues
- Urban climate
  - o The impact of urban forms and processes on local climate and weather

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		<ul style="list-style-type: none"> <li>o Urban temperatures, precipitation, fogs and thunderstorms, wind, air quality</li> <li>o Pollution reduction policies</li> <li>• Urban drainage <ul style="list-style-type: none"> <li>o Urban precipitation, surfaces and catchment characteristics.</li> <li>o Impacts on drainage basin storage areas</li> <li>o Urban water cycle and water movement.</li> <li>o SUDS and river restoration</li> </ul> </li> <li>• Waste and its disposal <ul style="list-style-type: none"> <li>o Sources and the environmental impacts of alternative approaches to waste disposal</li> <li>o Comparison of incineration and landfill to a specified urban area</li> </ul> </li> <li>• Other contemporary urban environmental issues</li> <li>• Sustainable urban development</li> </ul>

Subject	Summary of Exam (Type/length)	Topic content
<b>Health and Social Care</b>	<p style="text-align: center;"><b>Unit 1</b></p> <p style="text-align: center;">Human lifespan development 90 marks 1 hour 30 minutes</p> <p style="text-align: center;"><b>Unit 2</b></p> <p style="text-align: center;">Working in Health and Social Care 80 marks 1 hour 30 minutes</p>	<p><b>Topics to Revise- Unit one</b></p> <ul style="list-style-type: none"> <li>• Motor skills</li> <li>• Physical development across the life stages</li> <li>• Self Concept</li> <li>• Peer pressure</li> <li>• Stages of play</li> <li>• Genetic predisposition / Genetic Inheritance</li> <li>• Access to health and social care services</li> <li>• Alcohol consumption</li> <li>• Environmental &amp; social factors – premature death</li> <li>• Poor housing</li> <li>• Menopause</li> <li>• Socialising in later adulthood</li> <li>• Emotional and Social experiences across the life stages</li> </ul> <p><b>Topics to revise:</b></p> <p>The roles and responsibilities of people who work in the health and social care sector</p> <ul style="list-style-type: none"> <li>• The roles of people who work in health and social care settings</li> <li>• The responsibilities of people who work in health and social care settings</li> <li>• Specific responsibilities of people who work in health and social care settings</li> <li>• Multidisciplinary working in the health and social care sector</li> <li>• Monitoring the work of people in health and social care settings</li> </ul> <p>The roles of organisations in the health and social care sector</p> <ul style="list-style-type: none"> <li>• The roles of organisations in providing health and social care services</li> <li>• Issues that affect access to services</li> <li>• Ways organisations represent interests of service users</li> <li>• The roles of organisations that regulate and inspect health and social care services</li> <li>• Responsibilities of organisations towards people who work in health and social care settings</li> </ul> <p>Working with people with specific needs in the health and social care sector</p> <ul style="list-style-type: none"> <li>• People with specific needs</li> <li>• Working practices</li> </ul>



Subject	Summary of Exam (Type/length)	Topic content
History	<p>Exam Board = AQA</p> <p><b>Paper 1</b> The Making of a Superpower, USA 1865-1975 1 hour 30 minutes</p> <p>This will consist of one extracts question (25 marks) and one essay question (25 marks)</p> <p><b>Paper 2</b> The Making of Modern Britain, 1951-2007 1 hour 30 minutes</p> <p>This will consist of two essay questions worth 25 marks each.</p>	<p><b>Paper 1 topics:</b></p> <ul style="list-style-type: none"> <li>• Crisis of Identity</li> <li>• Economic Policies of the US government from the 1920s – 1940s during the period of Boom, Bust and Recovery.</li> <li>• Political development in the 1890s including the Populist and Progressive movement and their impact on national politics.</li> <li>• Social tensions and their impact on US society and politics between the periods of 1890 – 1930.</li> </ul> <p><b>Paper 2 topics:</b></p> <p>The Post War Consensus, 1970-1979</p> <ul style="list-style-type: none"> <li>• Labour governments of Wilson and Callaghan: political, economic and industrial problems and policies; problems of Northern Ireland</li> <li>• Society in the 1970s: progress of feminism; the Sex Discrimination Act; race and immigration; youth; environmentalism</li> </ul> <p>The Impact of Thatcherism, 1979-1987</p> <ul style="list-style-type: none"> <li>• Thatcher's economic policies and their impact: monetarism; privatisation; deregulation; issues of inflation, unemployment and economic realignment</li> <li>• Impact of Thatcherism on society: sale of council houses; miners' strike and other industrial disputes; poll tax; extra-parliamentary opposition</li> </ul> <p>Towards a new Consensus, 1987-1997</p> <ul style="list-style-type: none"> <li>• Fall of Thatcher and her legacy</li> </ul> <p>There will be revision materials uploaded onto Class Charts to aid you, which includes a checklist of the different topics.</p> <p>Revision Guides are available to purchase from your class teacher for a deposit of £5 per guide (one for each paper). You will receive the money back at the end of Year 13, upon the return of the revision guides.</p>

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Law	<p style="text-align: center;"><b>Paper 1</b></p> <p>English Legal System and Criminal Law 1 hour 30 minutes</p> <p>This will consist of 2 sections. Section A worth 20 marks and Section B worth 40 marks</p> <p style="text-align: center;"><b>Paper 2</b></p> <p>Law Making and Tort Law 1 hour 30 minutes</p> <p>This will consist of 2 sections. Section A worth 20 marks and Section B worth 40 marks</p>	<p><b>Paper 1 topics:</b></p> <p><b>English Legal System</b></p> <p>Criminal Courts and juries</p> <ul style="list-style-type: none"> <li>• Pre-trial procedures for each classification of offences</li> <li>• Juries including evaluation</li> </ul> <p>The Judiciary</p> <ul style="list-style-type: none"> <li>• Inferior and superior judges</li> <li>• Demography of the judiciary</li> </ul> <p><b>Criminal Law</b></p> <p>Property Offences</p> <ul style="list-style-type: none"> <li>• Theft – actus reus and mens rea</li> <li>• Robbery – actus reus and mens rea</li> </ul> <p>Attempted Offences</p> <ul style="list-style-type: none"> <li>• Actus reus</li> <li>• Mens rea</li> <li>• Committing the impossible</li> </ul> <p>General defences</p> <ul style="list-style-type: none"> <li>• Self-defence</li> </ul> <p>Evaluation of self defence</p> <p><b>Paper 2 topics:</b></p> <p><b>Law Making</b></p> <p>Statutory interpretation</p> <ul style="list-style-type: none"> <li>• Extrinsic and intrinsic aids</li> <li>• Evaluation of the literal rule</li> </ul> <p>The legislative process</p> <ul style="list-style-type: none"> <li>• Types of bills and different stages from first reading down to royal ascent</li> <li>• Evaluation of the law making process</li> </ul> <p><b>Tort Law</b></p> <p>Negligence</p> <ul style="list-style-type: none"> <li>• Evaluation of duty of care</li> <li>• Evaluation of breach of duty and protection offered to claimants</li> </ul> <p>Occupiers Liability</p> <ul style="list-style-type: none"> <li>• Occupiers liability involving lawful visitors</li> <li>• The duty owed to children</li> <li>• Warning signs</li> </ul> <p>Rylands v Fletcher</p> <ul style="list-style-type: none"> <li>• Rylands v Fletcher</li> <li>• Accumulation</li> <li>• Non-natural – Transco</li> <li>• Likely to cause mischief</li> <li>• The thing escapes</li> <li>• Foreseeability</li> <li>• Defences</li> <li>• Remedies</li> </ul>

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<b>Mathematics</b>	<p style="text-align: center;"><b>Paper 1</b> Pure and Mechanics 90 minutes 75 marks</p> <p style="text-align: center;"><b>Paper 2</b> Pure and Statistics 90 minutes 75 marks</p>	<p><b>Paper 1 &amp; 2 Pure Content</b></p> <ul style="list-style-type: none"> <li>• Functions</li> <li>• Differentiation</li> <li>• Parametric Equations</li> <li>• Trigonometry</li> <li>• Binomial Expansion and Partial Fractions</li> </ul> <p><b>Paper 1 Mechanics Content</b></p> <ul style="list-style-type: none"> <li>• SUVAT equations</li> <li>• Variable acceleration</li> <li>• Projectile Motion</li> </ul> <p><b>Paper 2 Statistics Content</b></p> <ul style="list-style-type: none"> <li>• Conditional Probability</li> <li>• Binomial Distribution (Year 12)</li> </ul>
<b>Media Studies</b>	<p style="text-align: center;"><b>Component 1</b> Section A c.45 minutes; audio-visual (music video) question on media language</p> <p style="text-align: center;"><b>Component 2</b> 75 minutes Magazines/Online Media</p>	<p><b>Component 1</b></p> <ul style="list-style-type: none"> <li>• Media language terminology</li> <li>• Codes and conventions of music video</li> <li>• Responding to an unseen text</li> </ul> <p><b>Component 2</b> All areas of the theoretical framework (media lang, representation, audience, industry) for:</p> <ul style="list-style-type: none"> <li>• Magazines: Vogue and the Big Issue</li> <li>• Online media: Zoella</li> </ul>

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PE	<p><b>Paper 1</b> 90 minutes Covering content from Year 12 &amp; 13 content (anatomy and physiology)</p> <p><b>Paper 2</b> 90 minutes 45 minutes on Paper 2 45 minutes on Paper 3 Covering content from Year 12 &amp; 13 (sports psychology and social cultural studies in Sport)</p>	<p><b>Paper 1 content to revise:</b></p> <ul style="list-style-type: none"> <li>• Analyse Movement: Upper Body</li> <li>• Neural Control</li> <li>• Venous Return</li> <li>• Gaseous Exchange during Exercise</li> <li>• Energy Systems</li> <li>• Aerobic Adaptations</li> <li>• Periodisation</li> <li>• Recovery</li> <li>• Altitude</li> <li>• Cardiovascular Drift</li> <li>• Ergogenic Aids – illegal</li> <li>• Newtons Laws of Motion</li> <li>• Levers</li> <li>• Angular Motion</li> <li>• Bernoulli</li> </ul> <p><b>Paper 2 content to revise:</b></p> <ul style="list-style-type: none"> <li>• Stages of learning</li> <li>• Skills Classification</li> <li>• Practice methods</li> <li>• Transfer</li> <li>• Memory</li> <li>• Theories of learning</li> <li>• Guidance and Feedback</li> <li>• Personality</li> <li>• Aggression</li> <li>• Arousal and Anxiety</li> <li>• Stress Management</li> <li>• Social Facilitation</li> <li>• Attitudes</li> <li>• Motivation</li> <li>• Groups and Teams</li> <li>• Leadership</li> </ul> <p><b>Paper 3 content to revise:</b></p> <ul style="list-style-type: none"> <li>• Pre-industrial Britain</li> <li>• Post-industrial Britain</li> <li>• Public schools – stage 2 &amp; 3</li> <li>• 20<sup>th</sup> century – law and order</li> <li>• 21<sup>st</sup> century (including commercialism and the media, golden triangle)</li> <li>• Modern Olympic Games</li> <li>• Routes to Sporting excellence</li> </ul>

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Physics	<p><b>Paper 1</b> 90 minutes 80 marks of short and long answer questions and multiple-choice questions</p> <p><b>Paper 2</b> 90 minutes 80 marks of short and long answer questions, including questions assessing practical experiments and data analysis.</p>	<p><b>Paper 1</b></p> <ul style="list-style-type: none"> <li>• Particles and radiation</li> <li>• Mechanics</li> <li>• Electrical Circuits</li> <li>• Waves</li> </ul> <p><b>Paper 2</b></p> <ul style="list-style-type: none"> <li>• Thermal Physics</li> <li>• Gas Laws</li> <li>• Gravitational and Electric Fields</li> <li>• Capacitors</li> <li>• SHM</li> <li>• Practical skills/techniques/error analysis/graphs</li> </ul>
Psychology	<p><b>Paper 1</b> 1 hour 30 minutes worth 70 marks</p> <p><b>Paper 2</b> 1 hour 15 minutes 54 marks</p> <p>Students need to bring calculators to both papers</p>	<p><b>Paper 1:</b></p> <ul style="list-style-type: none"> <li>• Social</li> <li>• Cognitive</li> <li>• Biopsychology</li> <li>• Learning Theories</li> </ul> <p><b>Paper 2:</b></p> <ul style="list-style-type: none"> <li>• Clinical – 1 hour 15 minutes.</li> </ul>

<p><b>Religious Studies</b></p>	<p>A-Level RS</p> <p><b>Paper 1</b> Component 1 Philosophy &amp; Christianity 90 Minutes</p> <p><b>Paper 2</b> Component 2 Ethics &amp; Christianity 90 Minutes</p>	<p><b>PAPER 1: Philosophy AO1 &amp; AO2 and Christianity AO1</b></p> <p>A. Philosophy Theme 1: Arguments for God’s existence  B. Inductive arguments: Cosmological Arguments  C. Telological Arguments  D. The Challenges  E. Deductive arguments: Ontological  F. Developments of Ontological arguments  G. The Challenges</p> <p><b>Philosophy Theme 2: Challenges to Religious Belief</b></p> <p>A. The problem of Evil and Suffering  B. Religious responses (Augustinian Theodicy)  C. Religious responses (Irenaean)  D. Religion as a product of the mind (Freud)  E. Religion as a product of the mind (Yeung)  F. Atheism</p> <p><b>Philosophy Theme 3: Religious Experience</b></p> <p>A. Nature of religious experience  B. Mystical experience  C. Challenges to religious experience</p> <p><b>Christianity- Theme 2</b></p> <p>A. Religious concepts (The nature of God)  B. Religious concepts (The Trinity)  C. Religious concepts (The Atonement)  D. Religious life (faith and works)  E. Religious life (community of believers)  F. Religious life (key moral principles)</p> <p><b>PAPER 1: Ethics AO1 &amp; AO2 and Christianity AO1</b></p> <p><b>Theme 2: Deontological Ethics</b></p> <p>A. St Thomas Aquinas’ Natural Law - laws and precepts as the basis of morality  B. Aquinas’ Natural Law - the role of virtues and goods in supporting moral behaviour:  C. Aquinas’ Natural Law - application of the theory:</p> <p><b>Theme 3: Teleological ethics</b></p> <p>A. Joseph Fletcher’s Situation Ethics - his rejection of other forms of ethics and his acceptance of agape as the basis of morality:  B. Fletcher’s Situation Ethics - the principles as a means of assessing morality:  C. Fletcher’s Situation Ethics - application of theory: The application of Fletcher’s Situation Ethics to both of the issues listed below:  <ul style="list-style-type: none"> <li>• homosexual relationships</li> <li>• polyamorous relationships</li> </ul> D. Classical Utilitarianism - Jeremy Bentham’s Act Utilitarianism: happiness as the basis of morality:  E. John Stuart Mill’s development of Utilitarianism: types of pleasure, the harm principle and the use of rules:</p>
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Subject	Summary of Exam (Type/length)	Topic content
		<p>F. Bentham's Act Utilitarianism and Mill's Rule Utilitarianism - application of the theory:</p> <p><b>Christianity- Theme 1</b></p> <p>A. Jesus – his birth:</p> <p>B. Jesus – his resurrection:</p> <p>C. The Bible as a source of wisdom and authority:</p>
<b>Sociology</b>	<p><b>Paper 1</b> Education with Theory and Methods 1 hour 30 minutes 60 marks in total</p> <p>This will consist of two short answer questions worth 4 marks and 6 marks respectively and two essay questions worth 30 marks and 20 marks respectively.</p> <p>The 20 mark question will be a methods in context [MIC] question</p> <p><b>Paper 2</b> Topics in Sociology 1 hour 30 minutes 60 marks in total</p> <p>This will consist of two shorter answer questions [one on Families and Households and the other on Beliefs in Society] worth 10 marks each and two essay questions [one on FAHH and the other on BIS] worth 20 marks each.</p> <p>Total marks for the mock exam = 120 marks</p> <p>Focus your revision on those areas that are highlighted!</p>	<p><b>Paper 1 topics:</b></p> <ul style="list-style-type: none"> <li>• Education</li> <li>• Class differences in achievement</li> <li>• Ethnic differences in achievement</li> <li>• Gender differences in education</li> <li>• The role of education</li> <li>• Education policy and 'closing the gap'</li> <li>• Research Methods</li> <li>• Choice of method and the research process</li> <li>• Experiments</li> <li>• Questionnaires</li> <li>• Interviews</li> <li>• Observation</li> <li>• Official statistics</li> <li>• Documents</li> <li>• Methods in the context of education research</li> </ul> <p><b>Paper 2 topics:</b></p> <ul style="list-style-type: none"> <li>• Families and Households</li> <li>• Couples</li> <li>• Childhood</li> <li>• Theories of the family</li> <li>• Demography</li> <li>• Changing patterns and family diversity</li> <li>• Social policy and the family</li> <li>• Beliefs in Society</li> <li>• Theories of religion</li> <li>• Religion and social change</li> <li>• Secularisation</li> <li>• Religion, renewal and choice</li> <li>• Religion in a global context</li> <li>• Organisations, movements and members</li> <li>• Ideology and science</li> </ul>

Subject	Summary of Exam (Type/length)	Topic content
OCR Sport	<p style="text-align: center;"><b>Unit 1</b></p> <p style="text-align: center;">Body systems and the effects of physical activity 70 marks</p> <p style="text-align: center;">1 hour 30 minutes</p>	<p><b>Topics to revise:</b></p> <ul style="list-style-type: none"> <li>• The axial and appendicular skeletons</li> <li>• The functions of the skeleton and the link to types of bone</li> <li>• Classifications of joint</li> <li>• The types of synovial joint</li> <li>• Structures and functions of synovial joints</li> <li>• Classifications of joints</li> <li>• The types of synovial joint</li> <li>• Structures and functions of synovial joints</li> <li>• Main muscles acting at synovial joints</li> <li>• Structure and function of muscle fibre types</li> <li>• Types of muscle function</li> <li>• Types of muscle contraction &amp; the link between mix of fibre types and performance</li> <li>• The impact of physical activity, training and lifestyle on the muscular system</li> <li>• The structures of the heart and their roles</li> <li>• Stroke volume, heart rate and cardiac output</li> <li>• Structure of blood vessels</li> <li>• Components and functions of blood</li> <li>• Vascular shunt mechanism and the role of arterioles and pre-capillary sphincters</li> <li>• The impact of physical activity, training and lifestyle on the cardiovascular system</li> <li>• The structures of the lungs and their roles</li> <li>• Respiratory muscles used during exercise</li> <li>• The mechanics of breathing</li> <li>• The impact of physical activity, training and lifestyle on the respiratory system</li> <li>• The three energy systems</li> <li>• The energy continuum and how intensity and duration of exercise determines which energy system is predominant</li> </ul>