



Year 11 January Mock Exams: Revision Topics

Subject	Topics to revise for the mock exams
<b>English Language</b> Paper 2	<b>Section A: reading (one hour approx.)</b> <ul style="list-style-type: none"><li>• Connectives and discourse markers for comparison questions</li><li>• Subject-specific terminology for analysing language choices (e.g. similes, semantic fields, a range of linguistic devices)</li><li>• The question stems for the four questions in this section, and the skills required to answer them</li><li>• The approximate timings for these questions</li></ul> <b>Section B: writing to argue and persuade (45 minutes approx.)</b> <ul style="list-style-type: none"><li>• How to structure an argument, using discourse markers and connectives; a range of linguistic devices and sentence structures; and complex punctuation (colons, semi-colons, inverted commas etc.)</li><li>• Paragraphing rules and structure, including TIPToPI</li><li>• Proofreading and editing skills to correct and improve</li></ul>
<b>Maths</b> (Higher tier)	<ul style="list-style-type: none"><li>• All topics (please see your teacher for specific guidance)</li></ul>
<b>Maths</b> (Foundation tier)	<ul style="list-style-type: none"><li>• All topics (please see your teacher for specific guidance)</li></ul>
<b>Combined Science: Biology (AQA)</b> Paper 1&2 mixture of topics Higher & Foundation	<ul style="list-style-type: none"><li>• Homeostasis</li><li>• Hormone regulation - controlling blood glucose levels + diabetes</li><li>• Animals and their environment</li><li>• Required practical estimating populations using quadrats</li><li>• Adaptation and Competition</li><li>• Feeding relationships</li><li>• Land, water and air pollution</li><li>• Deforestation and peat bog destruction</li><li>• Microscopy and magnification calculations</li><li>• Cell structure, specialised cells</li><li>• Cell division and stem cells</li><li>• Cell transport: diffusion, osmosis and active transport</li><li>• Circulatory system and blood</li><li>• Communicable diseases</li><li>• Vaccinations</li><li>• Non-communicable diseases</li><li>• Photosynthesis</li><li>• Required practical on rate of photosynthesis</li></ul>
<b>Separate Science: Biology (AQA)</b> Higher & Foundation	<ul style="list-style-type: none"><li>• Nervous system and Response</li><li>• Required practical on reaction time</li><li>• Homeostasis</li><li>• Hormone regulation - controlling blood glucose levels and diabetes</li><li>• Animals and their environment</li><li>• Required practical estimating populations using quadrats</li><li>• Adaptation and Competition</li><li>• Feeding relationships</li><li>• Biomass and energy flows</li></ul>



	<ul style="list-style-type: none"> <li>• Land, Water and Air pollution</li> <li>• Deforestation, peat bog loss and the carbon cycle</li> <li>• Cell structure and specialised cells</li> <li>• Cell Transport: diffusion, osmosis and active transport</li> <li>• Cell division and Stem cells</li> <li>• Digestion and enzymes</li> <li>• Require practical on factors that effect rate of enzymes</li> <li>• Communicable diseases</li> <li>• Vaccinations</li> <li>• Non-communicable diseases</li> <li>• Photosynthesis</li> <li>• Required practical on rate of photosynthesis</li> <li>• Liver and Metabolism</li> <li>• Monoclonal Antibodies</li> </ul>
<b>Combined Science: Chemistry (AQA)</b> Higher and foundation Paper 2	<ul style="list-style-type: none"> <li>• The rate and extent of chemical change</li> <li>• Organic Chemistry</li> <li>• Chemistry of the atmosphere</li> <li>• Using resources</li> </ul>
<b>Separate Science: Chemistry (AQA)</b> Higher and foundation Paper 2	<ul style="list-style-type: none"> <li>• The rate and extent of chemical change</li> <li>• Organic Chemistry</li> <li>• Chemical Analysis</li> <li>• Chemistry of the atmosphere</li> <li>• Using resources</li> </ul>
<b>Combined Science: Physics (AQA)</b> Foundation & Higher Paper 2	<ul style="list-style-type: none"> <li>• Forces</li> <li>• Waves</li> <li>• Magnetism and electromagnetism</li> </ul>
<b>Separate Science: Physics (AQA)</b> Foundation & Higher Paper 2	<ul style="list-style-type: none"> <li>• Forces</li> <li>• Waves</li> <li>• Magnetism and electromagnetism</li> <li>• Space</li> </ul>
<b>Art (AQA)</b>	Students will sit a mock exam in w/b 24 <sup>th</sup> November and 1 <sup>st</sup> December. This will be done in the double lesson of these weeks. Pupils are being prepared for this in class.
<b>BPE (AQA)</b>	<ul style="list-style-type: none"> <li>• Christian Beliefs</li> <li>• Christian Practices</li> <li>• Religion, Crime and Punishment</li> </ul>
<b>Business Studies (OCR)</b>	Revise all topics covered (see your personal learning checklists for Paper 1 & 2 for more detail.  <b>Paper 1:</b> <b>Unit 1 Business Activity</b>



	<p>The role of business enterprise and entrepreneurship 1.2 Business planning 1.3 Business ownership 1.4 Aims and objectives 1.5 Stakeholders in business 1.6 Business growth.</p> <p><b>Unit 2 Marketing</b> 2.1 The role of marketing 2.2 Market research 2.3 Market segmentation 2.4 Marketing mix.</p> <p><b>Unit 3 People</b> 3.1 The role of human resources 3.2 Organisational structures and different ways of working 3.3 Communication in business 3.4 Recruitment and selection 3.5 Motivation and retention 3.6 Training and development 3.7 Employment law.</p> <p><b>Paper 2:</b> <b>Unit 4 Operations</b> 4.1 Production processes 4.2 Quality 4.3 Sales Process 4.4 Consumer law 4.5 Business location 4.6 Working with suppliers. <b>Unit 5 Finance</b> 5.1 The role of finance 5.2 Sources of Finance 5.3 Revenue, costs, profit and loss 5.4 Break even 5.5 Cash and cashflow.</p>
<p><b>Computer Science (OCR)</b></p>	<p>All of paper 1. This is: 1.1 system architecture 1.2 memory and storage 1.3 computer networks 1.4 network security 1.5 systems software 1.6 ethical legal &amp; software licences</p> <p>Parts of paper 2. They are: 2.1 algorithms: just the use of flow charts and Exam-reference language (ERL) 2.2 programming: all of 2.2.1 and 2.2.2 (NOT 2.2.3)</p>
<p><b>Creative Media (OCR)</b></p>	<p><b>Topic Area 1: The media industry</b> 1.1 Media industry sectors and products 1.2 Job roles in the media industry</p> <p><b>Topic Area 2: Factors influencing product design</b> 2.1 How style, content and layout are linked to the purpose 2.2 Client requirements and how they are defined 2.3 Audience demographics and segmentation 2.4 Research methods, sources, and types of data 2.5 Media codes used to convey meaning, create impact and/or engage audiences.</p> <p><b>Topic Area 3: Pre-production planning</b> 3.1 Work planning 3.2 Documents used to support ideas generation 3.3 Documents used to design and plan media products 3.4 The legal issues that affect media</p>



	<p><b>Topic Area 4: Distribution considerations</b>            4.1 Distribution platforms and media to reach audiences            4.2 Properties and formats of media files</p>
<p><b>Dance (AQA)</b></p>	<ul style="list-style-type: none"> <li>• Section A: Hypothetical choreography and terminology-physical and mental skills.</li> <li>• Section B: Technical skills, safe working practice and expressive skills.</li> <li>• Section C: Within Her Eyes, Infra, A Linha Curva, EOE and Shadows and Artificial Things</li> </ul>
<p><b>Drama (Pearson)</b></p>	<ul style="list-style-type: none"> <li>• Drama students are preparing for component 2: performance pieces and should continue to prepare characters/roles and learn lines ready for the component 2 performance exam in early February. Their written mock exam will be taken later in February/early march. Students will be given more detailed information in class.</li> </ul>
<p><b>Design and Technology (AQA)</b></p>	<p><b>Unit 1 New and Emerging Technology</b></p> <ul style="list-style-type: none"> <li>• Industry and enterprise</li> <li>• Informing Design Decisions</li> <li>• People, Culture and Society</li> <li>• Production Techniques and Systems</li> <li>• Sustainability and the environment</li> </ul> <p><b>Unit 2 Energy</b></p> <ul style="list-style-type: none"> <li>• Composite materials</li> <li>• Electronic Systems</li> <li>• Energy generation</li> <li>• Energy storage</li> <li>• Mechanical Devices</li> <li>• Modern materials</li> <li>• Smart materials</li> <li>• Systems approach to designing</li> </ul> <p><b>Unit 3 Materials and Properties</b></p> <ul style="list-style-type: none"> <li>• Metals and Alloys</li> <li>• Paper and Boards</li> <li>• Polymers</li> <li>• Textiles</li> <li>• Timbers</li> </ul> <p><b>Unit 4 Specialist Principles</b></p> <ul style="list-style-type: none"> <li>• Eco and social footprint</li> <li>• Forces and stresses</li> <li>• Improving Functionality</li> <li>• Scales of production</li> <li>• The 6 R's</li> </ul> <p><b>Unit 5B Timbers</b></p> <p><b>Unit 6 Designing Principles</b></p> <ul style="list-style-type: none"> <li>• Communication and Design Ideas</li> <li>• Design Strategies (Focus on orthographic drawing for the mock exam)</li> <li>• Investigation - primary and secondary data</li> <li>• The work of others</li> </ul>



	<p><b>Unit 7 Making Strategies</b></p> <ul style="list-style-type: none"> <li>• Material management</li> <li>• Selection of materials</li> <li>• Surface treatments and finishes</li> <li>• Tolerances</li> <li>• Tools, Equipment, Techniques and Finishes</li> </ul>
<p><b>Food Preparation &amp; Nutrition (AQA)</b></p>	<ul style="list-style-type: none"> <li>• Lactose intolerance</li> <li>• Modifying recipes (Lowering fat)</li> <li>• Additives</li> <li>• Bread dough</li> <li>• Caramelisation</li> <li>• Functional and chemical properties of ingredients</li> <li>• Raising agents</li> <li>• Portion size</li> <li>• High risk foods</li> <li>• Pathogenic bacteria</li> <li>• Yoghurt production</li> <li>• Food waste</li> </ul>
<p><b>French (AQA)</b></p>	<ul style="list-style-type: none"> <li>• Listening/Speaking/Reading/Writing</li> <li>• Tenses –Past tenses (Imperfect/perfect/pluperfect) present/future/conditional</li> <li>• Free-time</li> <li>• Home &amp; Local Area</li> <li>• Holidays</li> <li>• Jobs</li> <li>• New technology</li> <li>• Celebrities</li> <li>• Environment</li> <li>• Healthy living</li> <li>• Celebrations</li> <li>• Family relationships</li> <li>• School &amp; Future plans</li> </ul>
<p><b>Geography (Pearson Edexcel specification A)</b></p>	<ul style="list-style-type: none"> <li>• Changing Landscapes of the UK</li> <li>• River Landscapes &amp; Processes</li> <li>• Global Development (including case study on Tanzania)</li> <li>• Resource Management &amp; Energy Resource Management (including case studies on China &amp; Norway)</li> </ul>
<p><b>German (AQA)</b></p>	<ul style="list-style-type: none"> <li>• Listening, speaking, reading and writing</li> <li>• Connectives and word order</li> <li>• Opinions</li> <li>• Present, past, future and conditional tenses</li> <li>• School &amp; studies</li> <li>• Jobs &amp; volunteering</li> <li>• Technology</li> <li>• Free time activities</li> </ul>



	<ul style="list-style-type: none"><li>• Family relationships</li><li>• Holidays</li><li>• Home &amp; local area</li><li>• Food &amp; drink</li><li>• Environmental issues</li><li>• Celebrities</li></ul>
<b>History</b>	<ul style="list-style-type: none"><li>• Germany, 1890-1945: Democracy and Dictatorship</li><li>• Conflict and Tension between East and West 1945-1971</li></ul> <p>A detailed breakdown of revision for these topics can be found in the front of pupils' books.</p>
<b>Music (AQA)</b>	<ul style="list-style-type: none"><li>• All of main listening syllabus + Beethoven Symphony No.1</li></ul>
<b>Spanish (AQA)</b>	<ul style="list-style-type: none"><li>• Listening, speaking, reading and writing</li><li>• Present, past, future and conditional tenses</li><li>• School &amp; studies</li><li>• Jobs &amp; future plans</li><li>• Festivals</li><li>• Holidays</li><li>• Food &amp; drink</li><li>• Technology &amp; free time</li><li>• Family relationships</li><li>• Recycling</li><li>• Home &amp; local area</li><li>• Celebrities</li></ul>