

Year 11 Examination Content (Mock Examinations March 2024)



Subject	Mock Examination Content
Mathematics	<p>You will sit three papers during the mocks to match the experience you will get in the GCSE examinations.</p> <p>Content from any part of the specification may be assessed on any of the papers.</p> <p>A mix of question styles, from short, single-mark questions to multi-step problems will be on each paper.</p> <p>The mathematical demand of questions will increase as you progress through the paper.</p>
English	<p>Revision topics with content for English Literature are: Power & Conflict Poetry Anthology (15 poems) An Inspector Calls These require memorisation in order to tackle them as closed-book exam units. The third unit, Unseen Poetry, requires independent practice - resources are available on the English SharePoint.</p> <p>English Language requires revision of question types - resources are available on the SharePoint but all students would be well advised to read from a range of non-fiction sources, especially news articles, and to look at historical sources of English, especially writing from the Victorian period.</p>
Science	<p>Combined science topics (extra topics for separate science) Biology: Homeostasis and response; Inheritance, variation and evolution; and Ecology</p> <p>Chemistry: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.</p> <p>Physics: Energy; Electricity; Particle model of matter; and Atomic structure (Space physics).</p>
Geography	<p>Component 1 Exam – Changing Places, Changing Economies. Theme 1: UK Cities, Global Cities, Development Theme 2: Rivers, Weather and Climate, Climate Change, Coasts Theme 3: Ecosystems, Ecosystems under threat, Water Resources and management and Desertification.</p> <p>Component 2 Exam – Problem /Decision making paper. Content of this paper is not pre-released and will be chosen by the exam board based on one of the topic areas from the component 1 exam topics above.</p>
History	<p>You will need to revise all content. There will be no prompts/ clues as to topics to focus on to replicate as it will be in the summer. Use your check lists in your books, booklet on Drake and revision guides. Please also reference the material on Class charts in addition.</p> <p>Paper 1 Conflict and Tension Germany</p> <p>Paper 2 Health and the People Elizabethan – Including Drake and the Americas</p>

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MFL	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> <p>Theme One – Identity and Culture</p> <ul style="list-style-type: none"> • Relationships/friendships • Describing friends and family • Marriage and partnerships • Social media – uses, advantages and disadvantages • Mobile technology – uses, benefits and dangers • Music, cinema and TV • Free time and hobbies • Sport • Food and eating out • France and customs • Festivals and traditions • Francophone festivals </td> </tr> <tr> <td style="padding: 5px;"> <p>Theme Two – Local, national, international and global areas of interest</p> <ul style="list-style-type: none"> • Where I live – homes, area • Poverty and Homelessness - inequalities • Regions of France • Environment – problems and solutions • Holidays and travel – including the French/German – speaking world • Charity and Voluntary work • Healthy and unhealthy eating </td> </tr> <tr> <td style="padding: 5px;"> <p>Theme Three – Current and future study and employment</p> <ul style="list-style-type: none"> • School and subjects • Life at school and college • School life in different countries • School rules and uniform • Jobs – advantages and disadvantages • University, work or apprenticeships • Choice of career • Personal plans for the future </td> </tr> </table>	<p>Theme One – Identity and Culture</p> <ul style="list-style-type: none"> • Relationships/friendships • Describing friends and family • Marriage and partnerships • Social media – uses, advantages and disadvantages • Mobile technology – uses, benefits and dangers • Music, cinema and TV • Free time and hobbies • Sport • Food and eating out • France and customs • Festivals and traditions • Francophone festivals 	<p>Theme Two – Local, national, international and global areas of interest</p> <ul style="list-style-type: none"> • Where I live – homes, area • Poverty and Homelessness - inequalities • Regions of France • Environment – problems and solutions • Holidays and travel – including the French/German – speaking world • Charity and Voluntary work • Healthy and unhealthy eating 	<p>Theme Three – Current and future study and employment</p> <ul style="list-style-type: none"> • School and subjects • Life at school and college • School life in different countries • School rules and uniform • Jobs – advantages and disadvantages • University, work or apprenticeships • Choice of career • Personal plans for the future
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Computer Science	<p>PAPER 01</p> <ul style="list-style-type: none"> • Components of a computer system • Data representation • Networks • Issues <p>PAPER 02</p> <ul style="list-style-type: none"> • Algorithms • Programming • Design, Testing and IDE's 			
Music	<p>Rhythms of the World - Caribbean, Samba, Greek, Israeli, Palestinian, African, Indian Classical and Bhangra Concerto – Baroque, Classical, Romantic Popular Song – Rock n Roll, Rock Anthems, Ballads, Solo Artists Film and Computer game music General MAD TSHIRT terminology</p>			

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GCSE Physical Education	Paper 1 <ul style="list-style-type: none"> - Applied anatomy and physiology - Movement Analysis - Physical Training - The use of data Paper 2 <ul style="list-style-type: none"> - Sports Psychology - Health, Fitness and Wellbeing - Socio-cultural influences - 		
BTEC Sport	The components of fitness Fitness Testing – How each test is ran. Technology in Sport Exercise Thresholds		
Design & Technology	Section A <ul style="list-style-type: none"> - Core knowledge of timbers, metals, papers and boards, polymers, electronics and textiles - Mechanisms and linkages - Sustainability - Energy Generation Section B <ul style="list-style-type: none"> - Specialist knowledge of your chosen material area - Specialist processes (e.g. vacuum forming, routing, laser cutter etc) - The 6 R's of sustainability - Scales of Production Section C <ul style="list-style-type: none"> - Designing and making principles - Design communication - Product Analysis - Investigation methods - Prototyping and 3D modelling - CAD/CAM The work of others (e.g. Bauhaus, Modernism, Alessi etc)		
Food Preparation and Nutrition	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> Section A Micronutrients Diet related diseases Macronutrients Food storage & key temperatures Bacterial contamination Enzymic browning Food labelling </td> <td style="width: 50%; vertical-align: top;"> Section B Food safety Nutritional content Fibre in the diet Function of flour and fats Gelatinisation Raising agents Organic food and drinks Genetically modified foods Food processing and production Food additives Diet through life Cooking methods and heat transfer </td> </tr> </table>	Section A Micronutrients Diet related diseases Macronutrients Food storage & key temperatures Bacterial contamination Enzymic browning Food labelling	Section B Food safety Nutritional content Fibre in the diet Function of flour and fats Gelatinisation Raising agents Organic food and drinks Genetically modified foods Food processing and production Food additives Diet through life Cooking methods and heat transfer
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Art	<p>Revision for Art and Design is practical preparation work for the actual final exam. You need to have completed your drawings, photography, artist research and initial compositional ideas in your sketchbook by the mock exam day. Further details are on the schedule in your sketchbook.</p> <p>In your mock exam you will be completing a range of material tests for one of your finalised compositional ideas. Before your mock exam you need to have drawn up your compositional idea on to A2 paper.</p>
Drama	<p>“Noughts and Crosses”- Character relationships</p> <ul style="list-style-type: none"> - Character Development throughout the play - Practical performance skills linked to text - Rehearsal Techniques - Lighting, Sounds, Staging, Costume - Original Performance - Pace, Pitch, Volume, Tone, Emphasis, Gesture, Gait, Stance - Stage types and how Noughts and Crosses could be performed on different stages <p>Live Theatre – Relook at the Hamilton Booklet – How they used the stage, character interaction, use of vocal / physical performance skills. Watch Hamilton on Disney Plus to remind you of the performance.</p> <p>Revise the Drama terms.</p>
BTEC Health and Social Care	<p>Component 3: Health and Wellbeing</p> <p>A: Definition of health and wellbeing Physical factors; Lifestyle factors; Social factors; Cultural factors; Economic factors; Environmental factors The impact on physical, intellectual, emotional and social health and wellbeing of different types of life events Interpretation of physiological data according to published guidelines: resting heart rate (pulse); heart rate (pulse) recovery after exercise; blood pressure; body mass index (BMI)</p> <p>B: Lifestyle indicators - how lifestyle choices determine physical health.</p> <p>C: The ways in which a person-centred approach takes into account an individual’s needs – to reduce health risks; wishes – their preferences and choices; circumstances – to include age, ability, location, living conditions, support, physical and emotional health. Definition of barriers: something unique to the health and social care system that prevents an individual accessing a service. Potential barriers as appropriate to the individual and the recommendations; physical barriers; barriers to people with sensory disability; barriers to people with different social and cultural backgrounds; barriers to people that speak English as an additional language or those who have language or speech impairments; geographical barriers; resource barriers for service provider; financial barriers. Definition of obstacles: something personal to an individual that blocks a person moving forward or when action is prevented or made difficult. Potential obstacles as appropriate to the individual and the recommendation; emotional/psychological; time constraints; availability of resources; unachievable targets; lack of support</p>



Subject	Mock Examination Content
Enterprise	<p>A Marketing activities</p> <p>A1 Targeting and segmenting the market</p> <ul style="list-style-type: none"> ● Target market: the market an enterprise wants to sell its products to. ● Market segmentation: key differentiators that divide customers into groups to be targeted: <ul style="list-style-type: none"> o demographics: age, race, religion, gender, family size, ethnicity, income, education level, socio-economic group o geographic: location o psychographic: social class, attitudes, lifestyle and personality characteristics o behavioural: spending, consumption, rate of usage, loyalty status, desired benefits. ● Markets: Business to Business (B2B), Business to Consumer (B2C), niche, mass. <p>A2 4Ps of the marketing mix</p> <ul style="list-style-type: none"> ● Product: <ul style="list-style-type: none"> o product portfolio: comprises all products (goods and services) of an enterprise o product life cycle: development, introduction, growth, maturity, decline o USP (unique selling point) o branding, brand personality, brand image. ● Price: <ul style="list-style-type: none"> o pricing strategies: penetration, skimming, competitive, cost-plus, premium. ● Place: <ul style="list-style-type: none"> o digital and physical distribution of products. ● Promotion: <ul style="list-style-type: none"> o promotional mix: advertising, Public Relations (PR), Online Public Relations (OPR), social media marketing, personal selling, direct marketing, sales promotion o 'above the line' and 'below the line' promotion. ● Multichannel marketing: using a range of traditional and/or digital methods. <p>A3 Factors influencing the choice of marketing methods</p> <ul style="list-style-type: none"> ● Factors influencing the choice of marketing methods: <ul style="list-style-type: none"> o appropriateness for product and its brand image o speed/accessibility of information/ease of reaching target market o cost to the enterprise o competitors' activities o experience of the entrepreneur. <p>A4 Trust, reputation and loyalty</p> <ul style="list-style-type: none"> ● Importance of brand image: perceptions of quality, value, variety and customer service. ● Importance of reputation: actions of the enterprise and how they affect public opinion <ul style="list-style-type: none"> o being environmentally friendly o rejecting unethical or controversial marketing strategies o responding to customer service issues quickly and efficiently o getting involved in the local community through help/donations/prizes <p>B Financial documents and statements</p> <p>B3 Revenue and costs</p> <ul style="list-style-type: none"> ● Revenue/turnover. ● Start-up and running costs. <p>B4 Financial statements</p> <ul style="list-style-type: none"> ● Profit and loss account (statement of comprehensive income): shows the profit or loss of an enterprise over time: <ul style="list-style-type: none"> o revenue, cost of sales, expenses, gross profit, net profit (profit for the year) ● Balance sheet (statement of financial position): shows the financial performance of an enterprise at a point in time: <ul style="list-style-type: none"> o fixed (non-current) and current assets



- o working capital (net current assets)
 - o long term (non-current) and current liabilities
 - o debtors (accounts receivable) and creditors (accounts payable)
 - o equity.
- B5 Profitability and liquidity**
- Difference between cash and profit.
 - Difference between liquidity and profitability.
 - Calculate profitability ratios from given formulae:
 - o gross profit margin percentage (GPM) = $(\text{gross profit} \div \text{revenue}) \times 100$
 - o net profit margin percentage (NPM) = $(\text{net profit} \div \text{revenue}) \times 100$.
 - Calculate liquidity ratios from given formulae:
 - o current ratio = $\text{current assets} \div \text{current liabilities}$
 - o liquid capital ratio = $(\text{current assets} - \text{inventory}) \div \text{current liabilities}$
- C Financial planning and forecasting**
- C2 Cash flow**
- Cash flow forecast: predicted inflows/receipts, outflows/payments, net inflows/outflows, opening and closing balances, surpluses, deficits.
 - Purpose of cash flow forecasts:
 - o to identify money coming in and going out of the enterprise over time
 - o to determine the impact of timings of inflows and outflows
 - o to determine positive and negative liquidity and make business decisions.
 - Difference between forecasted and actual cash flows.
- C3 Suggesting improvements to cash flow problems**
- Cash flow problems: cash surpluses, cash deficits.
 - Suggested solutions to problems:
 - o increasing revenue
 - o selling off unused assets/inventory
 - o chasing debtors for monies owed
 - o cutting costs
 - o delaying payment to suppliers
 - o reducing credit period offered to customers
 - o cutting back or delaying expansion plans
 - o paying off debts
 - o investment.
- C4 Break-even point and break-even analysis**
- Fixed, variable and total costs, and total revenue.
 - Break-even point, margin of safety, area of profit and area of loss.
 - Importance to an enterprise of breaking even.
 - Strengths and limitations of break-even analysis