

Year 11 Mock Examinations Topic Lists December 2023

Year 11 Qualification	
English Language	<p>Paper 2: 1hr 45</p> <p>Q1: True or false- comprehension skills. Q2: Synthesis of information. Q3: How language methods/techniques are used by a writer. Q4: Comparing how writers present their viewpoints on a topic through language and/or structure methods they may use. Q5: One piece of discursive writing- an article.</p> <p>Revision Tips: Q1-4 both papers: Practise learning language and structural terminology, annotating sources, planning questions, learning language and structural terminology. Learn structures of planning specific to your group and sentence starters of use. Q5 P1: Learn sentence starters from narratives, key vocabulary and how to range punctuation. Q5 P2: Learn sentence starters from articles, key vocabulary and how to range punctuation.</p>
English Literature	<p><u>A Christmas Carol</u></p> <ul style="list-style-type: none"> • Presentation of the character of Scrooge. • Presentation of the Cratchits. • Concept of Poverty. • Concept of Family. <p>➤ Please note that questions could ask about an individual character or a combination.</p> <p>➤ Questions that ask you to discuss a theme could concern characters other than the ones listed.</p>
Maths – Foundation tier	<p><u>Number</u> Negative numbers The correct order of operations (BIDMAS) Decimals and the 4 rules Rounding and estimation Indices (powers) and roots Standard form Prime factors, factors, multiples, LCM and HCF. Converting between fractions, decimals and percentages Percentages, to include reverse percentages, percentage change, repeated percentage change simple and compound interest Fractions - Equivalent fractions and converting between improper and mixed numbers Fraction calculations (+, -, × and ÷) including with mixed numbers and improper fractions Ratio Proportion problems, for example scaling recipes, best value for money and currency Compound measures (speed, density and pressure) Limits, bounds and error intervals</p> <p><u>Algebra</u> Simplifying algebra to include rules of indices Expanding and factorising single brackets Expanding double brackets Factorising quadratic equations of the form $x^2 + bx + c$ Solving linear equations Changing the subject of a formula Inequalities, solving and showing solution on a number line (linear only)</p>

Year 11 Mock Examinations Topic Lists December 2023

Maths – Higher tier	<p><u>Number</u></p> <p>Prime factors, factors, multiples, LCM and HCF. Indices (powers) and roots (including negative, fractional indices and changing base) including calculator skills Decimals and the 4 rules Rounding & estimating Converting between fractions, decimals and percentages including converting between fractions and recurring decimals Percentages, to include reverse percentages, percentage change, repeated percentage change simple and compound interest Fraction calculations including with mixed numbers and improper fractions Ratio Solving problems with proportion, for example scaling recipes, best value for money or time problems Multiplicative Reasoning to include converting between compound measures (speed, density and pressure) Surds, including simplifying, expanding, rationalising and solving problems. Standard form Limits, bounds and error intervals</p> <p><u>Algebra</u></p> <p>Collecting terms and substitution Manipulating algebra to include laws of indices Expanding up to three brackets Factorising quadratics Forming and solving linear equations Changing the subject of a formula Inequalities, linear only</p> <p><u>Data</u></p> <p>Using the three averages and range Calculating and estimating averages from discrete or grouped frequency tables Cumulative frequency graphs Box plots and quartiles Scatter diagrams Pie charts Histograms Probability (including tree diagrams, Venn diagrams and 2 way tables) Sampling</p>
Further Maths	<p>Rationalising surds Percentages involving algebra Simplifying Indices Changing the subject Solving equations Disguised quadratics Binomial expansion using Pascal's triangle Factor theorem and dividing polynomials Simultaneous equations with three unknowns Functions - composite functions and inverse of functions Matrices Differentiating expressions Differentiation - finding stationary points/nature of stationary points</p>

Year 11 Mock Examinations Topic Lists December 2023

Combined Science for both foundation and higher tier	Topic B1 – Cell biology Topic B2 – Organisation Topic B3 – Infection and response Topic B4 – Photosynthesis and respiration Topic C1 – atoms, elements, compounds, the periodic table and separating mixtures Topic C2 – Structure and bonding Topic C3 – Chemistry Calculations up to reacting masses in equations. Topic C4 – Chemical Reactions Topic C5 – Energetics Topic P1 – Energy Topic P2 – Electricity Topic P3 – The Particle Model of matter Topic P4 – Atomic Structure including work on Radioactivity
Biology Separates	Topic B1 – Cell biology Topic B2 – Organisation Topic B3 – Infection and response Topic B4 – Photosynthesis and respiration
Chemistry Separates	Topic C1 – atoms, elements, compounds, the periodic table and separating mixtures Topic C2 – Structure and bonding Topic C3 – Chemistry Calculations up to reacting masses in equations. Topic C4 – Chemical Reactions Topic C5 – Energetics
Physics Separates	Topic P1 – Energy Topic P2 – Electricity Topic P3 – The Particle Model of matter Topic P4 – Atomic Structure including work on Radioactivity

Year 11 Mock Examinations Topic Lists December 2023

Geography	<p>Paper 1 – Natural hazards/tectonic hazards Climate change Weather hazards Ecosystems Tropical rainforests Hot deserts Coasts</p> <p>Paper 2 - The urban environment Lagos case study Leeds case study Challenge of resource management Energy</p>
History	<p>Medicine 1250 to present (but not Western Front).</p> <ul style="list-style-type: none"> • Prevention of illness 1250 to present • Access to medical care and treatment 1900 to present • Thomas Sydenham and other turning points 1500-1700 • Improving attitudes to medicine 1700-1900 (e.g., vaccinations) <p>The Elizabethans</p> <ul style="list-style-type: none"> • Features of government • Mary, Queen of Scots • Reasons for involvement in Netherlands • Reasons for increasing exploration 1558-88
French	<p>Reading and Listening exam: Vocabulary learnt throughout the course for all pupils (Higher and Foundation). Writing exam: Foundation and Higher – a choice of 90-word essay on either FREE TIME or HOLIDAYS. Higher only: a choice of 150-word essay on either SCHOOL or TOWN / ENVIRONMENT. Speaking exam: This will take place the week beginning the 26th February 2024.</p>
German	<p>Reading and Listening exam: Vocabulary learnt throughout the course for all pupils (Higher and Foundation). Writing exam: Foundation and Higher – a choice of 90-word essay on either FAMILY FRIENDS AND FREE TIME or SCHOOL. Higher only: a choice of 150-word essay on either A LIVE EVENT or the ENVIRONMENT. Speaking exam: This will take place the week beginning the 26th February 2024.</p>
Spanish	<p>Reading and Listening exam: Vocabulary learnt throughout the course for all pupils (Higher and Foundation). Writing exam: Foundation and Higher – a choice of 90-word essay on either FREE TIME or HEALTH/TECHNOLOGY/CHARITY. Higher only: a choice of 150-word essay on either HOLIDAYS/TECHNOLOGY or SCHOOL & FUTURE PLANS. Speaking exam: This will take place the week beginning the 26th February 2024.</p>
Business Studies	<p>Unit 1 – Business in the real world Unit 5 – Marketing</p>
Child Development	<p>Factors affecting pre-conception health for women and men: <input type="checkbox"/> Weight <input type="checkbox"/> Smoking <input type="checkbox"/> Drinking alcohol <input type="checkbox"/> Taking recreational drugs <input type="checkbox"/> Parental age</p> <p>Other factors affecting the pre-conception health for women <input type="checkbox"/> Folic acid <input type="checkbox"/> Up to date immunisations</p> <p>Types of contraception methods and their advantages and disadvantages</p>

Year 11 Mock Examinations Topic Lists December 2023

Computer Science	Principles of Computer Science <ul style="list-style-type: none">• Computers• Networks• Computational Thinking Python Programming
Creative i-Media	Traditional & New Media sectors Job roles in the media industry Workplans Storyboards Visualisation Diagrams Primary & Secondary Research Legal Issues Distribution Considerations Media Codes
Graphic Design	1. Components of graphic design <ul style="list-style-type: none">1.1 Components<ul style="list-style-type: none">1.1.1 Line1.1.2 Colour1.1.3 Tone1.1.4 Composition1.1.5 Typography1.1.6 Imagery1.3 Graphic design principles 2. Work of graphic designers <ul style="list-style-type: none">2.1 Types of graphic design work2.2 Employment opportunities in graphic design 3. Requirements of a graphic design brief <ul style="list-style-type: none">3.1 Types of graphic design briefs3.2 Graphic design brief requirements3.3 Design constraints 4.2 Experimenting with tools, materials and techniques <ul style="list-style-type: none">4.2.2 Tools4.2.3 Materials4.2.4 Techniques 5. Graphic design production <ul style="list-style-type: none">5.1 Digital technical skills
Health & Social Care	<ul style="list-style-type: none">• Services/settings in Health and Social Care• Rights of service users to include choice and confidentiality• Person-centred values to include choice, independence, Dignity and Respect• Benefits of supporting service users to include empowerment, high self-esteem, meeting needs (PIES)• Communication in Health and Social Care• Infection prevention and Control• Safety procedures

Year 11 Mock Examinations Topic Lists December 2023

<p>Hospitality & Catering</p>	<p>1.1 Hospitality and catering provision</p> <ul style="list-style-type: none"> 1.1.1 - Hospitality and catering providers 1.1.2 - Working in the Hospitality and Catering Industry 1.1.3 Working conditions in the Hospitality and Catering Industry 1.1.4 Contributing factors to the success of Hospitality and Catering provision <p>1.2 How Hospitality and Catering providers operate</p> <ul style="list-style-type: none"> 1.2.1- The operation of the front and back of house 1.2.2 – Customer requirements in Hospitality and Catering 1.2.3 – Health and safety in Hospitality and Catering provision <p>1.3 Health & safety in Hospitality and Catering</p> <ul style="list-style-type: none"> 1.3.1 - Health & safety in Hospitality and Catering provision 1.3.2 Food Safety <p>1.4 Food safety Hospitality and Catering</p> <ul style="list-style-type: none"> 1.4.1 – Food-related causes of ill health 1.4.2 – Symptoms and signs of food-induced ill health 1.4.3 - Preventative control measures of food-related ill health 1.4.4 – The Environmental Health Officer (EHO)
<p>Music</p>	<p>Section A</p> <ul style="list-style-type: none"> - Baroque Music - Broadway (Musical Theatre) - Contemporary Folk Music - Contemporary Latin Music - Gaming Music - Minimalism - Romantic Piano Music - Western Classical Since 1910 <p>Please also revise the general listening questions in your handbook</p> <p>Section B</p> <p><u>Mozart Clarinet Concerto in A</u></p> <ul style="list-style-type: none"> – Structure – Tonality – Melody – Harmony – Sonority (timbre) – Texture – Rhythm & Metre – Dynamics & Articulation <ul style="list-style-type: none"> • For the 8-mark question for Mozart, please revise all the elements above. <p><u>Little Shop of Horrors 1982 off-Broadway version:</u></p> <ul style="list-style-type: none"> • The 2-mark questions will be based on <u>Prologue/Little Shop of Horrors (overture), Mushnik and Son.</u> – Structure – Tonality – Melody – Harmony – Sonority (timbre) – Texture – Rhythm & Metre – Dynamics & Articulation <ul style="list-style-type: none"> • The 8-mark question for Little Shop of Horrors will be based on <u>Feed Me.</u> Please revise all the elements above for this song.

Year 11 Mock Examinations Topic Lists December 2023

GCSE PE	<p>PAPER 1</p> <p>Musculoskeletal system Seasonal training Planes/Lever Components of fitness Graphs/Data Recovery after exercise Spirometer trace Pathway of the blood EPOC/DOMS Calculating intensity Fitness tests Altitude training Principles of training</p> <p>PAPER 2</p> <p>Diet Skill continuum Arousal theory Engagement patterns Personality Spectator behaviour Sedentary lifestyles/mental health Somatotypes SMART Information processing PED's Media and sponsorship</p>
---------	--

Year 11 Mock Examinations Topic Lists December 2023

Sociology	<p>There are two papers.</p> <p>Each paper is 60 minutes in length.</p> <p>Each paper has two sections.</p> <p>Ideally spend 30 minutes on each section during your mock exam.</p> <p>Paper 1: Family & Education</p> <p>Family section;</p> <ul style="list-style-type: none">• Dual Career family.• Increase factor to lone parent families.• Parson's view of the family.• Ethical issues when researching domestic division of labour.• Evaluation of symmetrical families. <p>Education section;</p> <ul style="list-style-type: none">• Functions of education.• Subcultures in schools.• In school (internal) factors affecting achievement.• Bowles & Gintis- Correspondence Principle.• Evaluation of gender differences in education due to external factors. <p>Paper 2: Crime & Methods in context</p> <p>Crime section;</p> <ul style="list-style-type: none">• High news value.• Factors leading to criminal behaviour.• Becker & labelling.• Dark Figure of crime.• Evaluation of women less likely to commit crime compared to men. <p>Methods section; This will contain a set of questions which are Item based, these will be from Family, Education and Crime.</p> <ul style="list-style-type: none">• Official National Statistics – strengths & weaknesses.• Willmott & Young's method and perspective on the family.• Anne Oakley's research on the family.• Marketization method by Ball, Bowe & Gerwitz.• Heidensohn's method.
-----------	---

Year 11 Mock Examinations Topic Lists December 2023

Textiles	<p>Core:</p> <p>1.1.8 d,e,f,g - Production techniques</p> <p>1.10 – Thermoforming polymers</p> <p>1.12.1 - Natural timbers – hardwoods</p> <p>1.13.1a - Properties of materials</p> <p>Specialist:</p> <p>6.2.2 Synthetic Textiles</p> <p>6.4.1 Forces and stresses</p> <p>6.5.2 – Sizes</p> <p>6.6.3e&f - Techniques for quantity production</p> <p>6.7.2 – Shaping</p> <p>6.7.3 - Fabricating/constructing/assembling</p> <p>6.8.1n - Surface finishes and treatment</p>
Timbers	<p>Core:</p> <p>1.1.8 d,e,f,g - Production techniques</p> <p>1.10 – Thermoforming polymers</p> <p>1.12.1 - Natural timbers – hardwoods</p> <p>1.13.1a - Properties of materials</p> <p>Specialist:</p> <p>7.2.1 Physical and Working properties - Hardwoods</p> <p>7.3.2c - Environmental factors</p> <p>7.4.1 Forces and stresses</p> <p>7.5.2 – Sizes</p> <p>7.6.1a - routing</p> <p>7.6.3h - Techniques for quantity production</p> <p>7.7.1a - hand tools</p> <p>7.7.2 – Shaping</p> <p>7.7.3f - Jointing</p> <p>7.8.1 - surface finishes</p>