

**Year 12 Mock Examinations**  
**Week commencing 2nd December 2025**

The table below provides details of the Mock Exams that your child will be taking. They will receive revision material in lessons/online for these. We would value your support in ensuring that they are preparing for these.

- The purpose of the mock examinations is to give an indication of progress made by students during Year 12
- A successful Mock Examination period in Year 12 sets a solid foundation for progression into Year 13
- The mock examination results, alongside results from other class-based assessments throughout Year 12 and Year 13 will be used in discussions with students about future pathways and inform, but not determine, their UCAS predicted grades in Year 13
- Parents/carers and students will receive their child's Assessment Report via email on Friday 19th December
- To support revision students can purchase CPG A Level subject revision guides. Go to the website [www.cpgbooks.co.uk](http://www.cpgbooks.co.uk)

Subject	Summary of exam (type/length)	Topics/content
Art	Practical exam 10 hours	Students must transform their own primary image into the style of an assigned art movement and artist. They are required to complete a planning page (double page) and an A1-size final piece.
Biology	Written Paper 2 hours	<u>Module 2 – Foundations in biology</u> 2.1.1 Cell structure 2.1.2 Biological molecules 2.1.3 Nucleotides and nucleic acids <u>Module 3 – Exchange and transport</u> 3.1.1 Exchange surfaces 3.1.2 Transport in animals <a href="https://www.ocr.org.uk/Images/687834-download-a-level-specification.pdf">https://www.ocr.org.uk/Images/687834-download-a-level-specification.pdf</a>
Business	Written Paper 1 hour	The exam will include the following topics: <ol style="list-style-type: none"> <li>1. Enterprise</li> <li>2. Markets</li> <li>3. Market research</li> <li>4. Business Finance</li> <li>5. Business cost revenue and profit</li> <li>6. Business plans</li> <li>7. Marketing mix</li> </ol> Students need to use the AS Level Business checklist to ensure they are fully prepared to answer all the questions competently.

Chemistry	Written Paper 2 hours	<p>Physical Chemistry 1 Hour</p> <p>3.1.1 Atomic Structure</p> <p>3.1.2 Amount of Substance</p> <p><a href="https://www.aqa.org.uk/subjects/chemistry/a-level/chemistry-7405/specification/subject-content/physical-chemistry">https://www.aqa.org.uk/subjects/chemistry/a-level/chemistry-7405/specification/subject-content/physical-chemistry</a></p> <p>3.3.1 Introduction to Organic Chemistry</p> <p>3.3.2 Alkanes</p> <p>3.3.3 Halogenoalkanes</p> <p><a href="https://www.aqa.org.uk/subjects/chemistry/a-level/chemistry-7405/specification/subject-content/organic-chemistry">https://www.aqa.org.uk/subjects/chemistry/a-level/chemistry-7405/specification/subject-content/organic-chemistry</a></p>
Computing	Written Paper 1 hour	<p><b>F160 Section 3</b></p> <p>3.1 Purpose of planning projects</p> <p>3.1 Planning considerations</p> <p>3.1 Resources</p> <p>3.2 Project Planning Tools: Arrow diagram</p> <p>3.2 Project Planning Tools: Critical Path Analysis</p> <p>3.2 Project Planning Tools: Flowcharts</p> <p>3.2 Project Planning Tools: Gantt Chart</p> <p>3.2 Project Planning Tools: PERT chart</p> <p>3.2 Project Planning Tools: SWOT analysis</p> <p>3.2 Project Planning Tools: Flowcharts</p>
Core Mathematics	Written Paper 2 hours	<p>1 Applications of Statistics</p> <ul style="list-style-type: none"> <li>Comparing from a graph</li> <li>Drawing a scatter graph and plotting a straight line</li> <li>Drawing a box plot and finding outliers</li> <li>Comparing box plots</li> <li>Calculating spearman's rank</li> <li>Advantages and disadvantages of sampling</li> <li>Calculating mean and standard deviation</li> <li>Comparing mean and standard deviation</li> <li>Drawing a scatter graph</li> <li>Explanatory variable</li> <li>Using a regression line to find values, and interpreting a regression line in context</li> <li>Calculating PMCC</li> <li>Interpreting PMCC</li> </ul> <p>2 Probability</p> <ul style="list-style-type: none"> <li>Calculating and comparing proportions</li> </ul> <p>3 Linear Programming</p> <ul style="list-style-type: none"> <li>Writing a simple algebraic formula</li> <li>Substituting into a formula</li> </ul> <p>4 Sequences and Growth</p> <ul style="list-style-type: none"> <li>Working out a percentage increase/decrease</li> <li>Using excel formulae</li> </ul> <p>Revision tips:</p> <ul style="list-style-type: none"> <li>Use slides and worksheets on Google Classroom</li> </ul>

<b>English Literature</b>	<b>Written Paper</b> <b>2 hours</b>	<b>Exam:</b> <ol style="list-style-type: none"> <li>Section A Extract based question on 'Othello' (1 hour)</li> <li>Section C Choice of two debate questions on an aspect of tragedy in 'Death of A Salesman' (1 hour)</li> </ol> <b>Preparation:</b> <ol style="list-style-type: none"> <li>Revise Othello so far, practice choosing an extract and planning ideas on the significance of the extract to the tragedy of Othello and Shakespeare's dramatic methods.</li> <li>Revise DOAS so far and mindmap ideas on aspects of tragedy and Miller's dramatic methods.</li> </ol>
<b>Geography</b>	<b>Written Paper</b> <b>1 hour 30mins</b>	<b>Coasts: 45 minutes - all content covered so far.</b>  <b>Urban: 45 minutes - all content covered so far.</b>
<b>History</b>	<b>Written Paper 1 and 2</b> <b>2 hours</b>	<b>Making of Modern Britain</b> There will be an essay question based on the Affluent Society, 1951-64. Revise using booklets handed out in class. <b>USA - essay question</b>
<b>Health and Social Care</b>	<b>Written paper</b> <b>1 hour 30mins</b>	The exam will test your knowledge on Learning Aim A and the factors covered so far in Learning Aim B.  Key topics: <ul style="list-style-type: none"> <li>Infancy, Early Childhood, Adolescence, Early Adulthood, Middle Adulthood, Late Adulthood &amp; Later Adulthood.</li> <li>Genetic predisposition, genetic disorders, lifestyle factors.</li> <li></li> </ul>
<b>Mathematics</b>	<b>Written Paper</b> <b>2 hours</b>	The exam will test your knowledge of chapters 1 to 5 from the Kerboodle textbook. <ul style="list-style-type: none"> <li>Algebra 1</li> <li>Polynomials and the Binomial Theorem</li> <li>Trigonometry</li> <li>Differentiation and Integration</li> <li>Exponentials and Logarithms</li> </ul> Use the review and assessment sections from the textbook. PMT & Maths Genie are also excellent sources of revision.
<b>Physics</b>	<b>Written Paper</b> <b>2 hours</b>	<b><u>Mechanics:</u></b> Resolving vectors; moments; suvat calculations; projectile motion; practical key terms and practical maths (ranges, averages, uncertainties, etc.)  <b><u>Particles and Radiation:</u></b>

		<ul style="list-style-type: none"> <li>● Matter and Radiation checklist (e.g. specific charge; neutrino hypothesis; strong nuclear force; particle annihilation and Pair production)</li> <li>● Quarks and Leptons checklist (e.g. particle classification; conservation laws for particle interactions)</li> <li>● Photoelectric effect</li> </ul>
Politics	Written Paper 1 1 hours 30mins	Two essays - one on UK politics and one on UK Government. UK politics - Potential topics are Rep democracy, the Franchise, Rights, Pressure groups and other groups of influence, Political parties.
Product Design	Written Paper 1: Technical Principles  2 Hours	<ul style="list-style-type: none"> <li>● Material Characteristics</li> <li>● Smart and Modern Materials</li> <li>● Material Testing</li> <li>● Stock Forms</li> <li>● Seasoning</li> <li>● Bio Pols</li> <li>● Material Enhancements</li> </ul>
Psychology	Written Paper 1 2 Hours	Topics: Attachment, Social Influence, Memory and Approaches Revision: Exercise books, Google classroom
Sociology	Written Paper 1 2 Hours	Two papers on Families and Households and Education <ul style="list-style-type: none"> <li>● Compensatory Education</li> <li>● Ethnicity and education</li> <li>● Labelling theory</li> <li>● Class differences in achievement</li> <li>● Domestic violence</li> <li>● Women in paid work</li> <li>● Unequal division of labour</li> <li>● Childhood - is it a protective and privileged phase of life?</li> </ul>
Spanish	Paper 1 questions on topics covered + stimulus card  2 hours	Topics <ul style="list-style-type: none"> <li>● Family: traditional and modern values</li> <li>● Cybersociety</li> <li>● Equality of the sexes</li> </ul> Listening comprehension and summary question  Reading comprehension and summary question  Written stimulus answer including facts from Spanish speaking country/countries

<p><b>Theology</b></p>	<p><b>Written Paper</b></p> <p><b>2 hours</b></p> <p><b>Answer 1 question</b></p>	<p><b>ONE question on each unit Philosophy, Ethics and Development of Christian Thought</b></p> <ul style="list-style-type: none"> <li>• Philosophy - Aristotle and Plato</li> <li>• Ethics - Natural Law</li> <li>• Development of Christian Thought - St. Augustine</li> </ul> <p>Use the specification heading “students should have the opportunity to discuss.” This is what the examiners use to generate essay questions.</p> <p><b>Ensure that you have prepared for:</b></p> <ul style="list-style-type: none"> <li>• A Clear Line of Argument (LOA)</li> <li>• Precise Use of Scholars (AO1 &amp; AO2)</li> <li>• AO2 Evaluation - Use scholars for supporting or challenging your argument.</li> <li>• Explain why their view strengthens or weakens your line of argument.</li> <li>• Critical Analysis – Not Just Description - OCR expects you to analyse ideas, not retell them.</li> </ul>
<p><b>OCR Sport</b></p>	<p><b>Written Paper</b></p> <p><b>1 hr 30mins</b></p>	<ol style="list-style-type: none"> <li>1. Understand the skeletal system in relation to exercise and physical activity.</li> <li>2. Understand the muscular system in relation to exercise and physical activity.</li> <li>3. Understand the cardiovascular system in relation to exercise and physical activity</li> <li>4. Understand the respiratory system in relation to exercise and physical activity.</li> <li>5. Understand the different energy systems in relation to exercise and physical activity</li> </ol>

As always, please do not hesitate to get in touch if you have any concerns or queries.

Kind regards

*L. Grant*

Mrs L. Grant

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