



MARICOURT
CATHOLIC
HIGH SCHOOL
& SIXTH FORM CENTRE

Year 12 Mock Exams 2023 Revision Guidance

Mission Statement

Our Maricourt family, with Christ at the centre, is a community of welcome, compassion and respect in which we are encouraged to discover our true purpose and empowered to achieve the extraordinary so as to be the change we want to see in our world.





Art & Design

Year 12

Mock exams revision guidance

	Date:
Topic description	Resources link
Still Life drawing	<i>(1) Still Life Drawing and Shading Techniques- Beginners Guide - YouTube</i>
	Practise drawing from first hand observation (select objects relevant to your personal area of study).
	Practise tonal scale and applying tonal scale.

Paper 2	Date:
Topic description	Resources link



Biology

Year 12

Mock exams revision guidance

Paper 1	Date:
Topic description	Resources link
Biological molecules	<u>AQA Biology A-level Topic 1: Biological Molecules - PMT (physicsandmathstutor.com)</u>
Cells	<u>AQA Biology A-level Topic 2: Cells Revision - PMT (physicsandmathstutor.com)</u>
Organisms exchange substances with their environment	<u>AQA Biology A-level Topic 3: Organisms Exchange Substances Revision - PMT (physicsandmathstutor.com)</u>
Genetic information, variation and relationships between organisms	<u>AQA Biology A-level Topic 4: Genetic Information, Variation & Relationships Revision - PMT (physicsandmathstutor.com)</u>



Chemistry

Year 12

Mock exams revision guidance

Paper 1
Topic description
<ul style="list-style-type: none">• 3.1.1 Atomic structure• 3.1.2 Amount of substance• 3.1.3 Bonding• 3.1.4 Energetics• 3.1.6 Chemical equilibria, Le Chatelier's principle and K_c• 3.1.7 Oxidation, reduction and redox equations• 3.3.1 Introduction to organic chemistry• 3.3.2 Alkanes• 3.3.3 Halogenoalkanes• 3.3.4 Alkenes• 3.3.5 Alcohols• 3.3.6 Organic analysis



Computer Science

Year 12

Mock exams revision guidance

Paper 1	Date:
Topic description	Resources link
SQL	https://student.craigndave.org/videos/ocr-alevel-slr10-sql
Referential Integrity	https://student.craigndave.org/videos/ocr-alevel-slr10-referential-integrity
Karnaugh Maps 1	https://student.craigndave.org/videos/ocr-alevel-slr15-karnaugh-maps-part-1
Karnaugh Maps 2	https://student.craigndave.org/videos/ocr-alevel-slr15-karnaugh-maps-part-2
Karnaugh Maps 3	https://student.craigndave.org/videos/ocr-alevel-slr15-karnaugh-maps-part-3
Karnaugh Maps 4	https://student.craigndave.org/videos/ocr-alevel-slr15-karnaugh-maps-part-4
Logic Gates	https://student.craigndave.org/videos/ocr-alevel-slr15-logic-gates-and-truth-tables
Simplifying Boolean Algebra	https://student.craigndave.org/videos/ocr-alevel-slr15-simplifying-boolean-algebra
Insertion Sort	https://student.craigndave.org/videos/ocr-alevel-slr25-implement-insertion-sort
Bubble Sort	https://student.craigndave.org/videos/ocr-alevel-slr25-implement-bubble-sort

Binary Topics	https://student.craigndave.org/videos/slr-13-data-types
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Paper 2	Date:
Topic description	Resources link
2.1.1 Thinking Abstractly	(430) A level OCR: SLR18 - Thinking abstractly - YouTube
2.1.2 Thinking Ahead	(430) A level OCR: SLR19 - Thinking ahead - YouTube
2.1.3 Thinking Logically	(430) A level OCR: SLR21 - Thinking logically - YouTube
2.1.5 Thinking Concurrently	(430) A level OCR: SLR22 - Thinking concurrently - YouTube
2.2.1 Programming techniques Programming constructs, Recursion, Iteration, Parameter Passing, Functions and procedures, IDEs	(430) A level OCR: SLR23 - Programming techniques - YouTube
2.2.2 Computational Thinking Features that make a problem solvable, problem recognition, decomposition, divide and conquer	(430) A Level OCR: SLR24 - Computational methods - YouTube
2.3.1 Algorithms analysis and design of algorithms, suitability of algorithms, comparison of algorithms, standard algorithms (bubble sort, insertion sort, merge sort, quick sort, binary search, linear search), Big O notation	(430) A level OCR: SLR26 - Algorithms - YouTube



English Department

Year 12

Mock exams revision guidance

Paper 1	Date:
Topic description	Resources link
Drama and Poetry (Henrik Ibsen, A Doll's House)	https://www.sparknotes.com/lit/dollhouse/ https://www.yorknotes.com/alevel/english-literature/a-dolls-house-2017/revision-cards/00_context https://quizlet.com/196459551/a-dolls-house-ao5-flash-cards/ https://amp.theguardian.com/stage/2013/aug/10/dolls-house-henrik-ibsen-relevant https://www.cliffsnotes.com/literature/d/a-dolls-house/play-summary
Drama and Poetry (Christina Rossetti Selected Poems)	https://interestingliterature.com/2017/06/a-short-analysis-of-christina-rossettis-goblin-market/amp/ https://www.poetryfoundation.org/poets/christina-rossetti https://quizlet.com/gb/284178574/christina-rossetti-context-flash-cards/ https://www.studysmarter.co.uk/explanations/english-literature/poets/christina-rossetti/ https://www.bl.uk/romantics-and-victorians/articles/christina-rossetti-gender-and-power https://graveneyenglishextra.files.wordpress.com/2018/01/rossetti-context.pdf

	https://getrevising.co.uk/diagrams/christina-rossetti-ao5 https://quizlet.com/gb/213458283/rossetti-ao5-flash-cards/
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Paper 2	Date:
Topic description	Resources link
Comparative and Contextual (Unseen Gothic)	https://ocr.org.uk/Images/404556-comparative-and-contextual-study-the-gothic-sample-candidate-responses.pdf https://quizlet.com/gb/628586090/unseen-gothic-ocr-a-level-english-literature-flash-cards/ https://prezi.com/xhs1k8vwwz5k/ocr-a-level-gothic-literature-timeline/ https://www.youtube.com/watch?v=RcQP8v19iMg https://www.youtube.com/watch?v=XiXPY8xWQVA
Comparative and Contextual (Angela Carter, The Bloody Chamber)	https://www.ocr.org.uk/Images/630296-comparative-and-contextual-study-the-gothic.pdf https://mrspeacockenglish.wordpress.com/tag/the-bloody-chamber/ https://smhsenglishdept.weebly.com/ks5-literature.html https://www.massolit.io/courses/carter-the-bloody-chamber-d25ade53-d626-4af9-919e-841203ffd4b7



Department Name: Geography

Year 12

Mock exams revision guidance.

Paper 1: Physical Geography	Date:
<u>Topic description:</u>	<u>Resources links:</u>
Tectonics and associated hazards <ul style="list-style-type: none">- Calculation of mean, median and interquartile range- Predictions and forecasting of tectonic hazards	Tectonics and associated hazards - Geography for Edexcel – A Level Year 1 – Revision Guide. J:\Geography A LEVEL\Mr Naughton\Tectonics VLE for revision and to access ppts Seneca – Edexcel Geography Seneca - Learn 2x Faster (senecalearning.com)
Coastal Landscapes <ul style="list-style-type: none">- Marine processes- Subaerial processes- Sea Level change (emergent and submergent coastlines)- Threats to coastlines and their communities	Coastal Landscapes and Systems – p60-80 - Geography for Edexcel – A Level Year 1 – Revision Guide. J:\Geography A LEVEL\Miss Day\Coastal Landscapes VLE for revision and to access ppts Seneca – Edexcel Geography Seneca - Learn 2x Faster (senecalearning.com)

Paper 2: Human Geography	Date:
<u>Topic description:</u>	<u>Resources links:</u>
<p>Diverse Places</p> <ul style="list-style-type: none"> - Population characteristics - Perceptions of place (case study) - importance of government decisions on urban/rural places 	<p>Revise Pearson Edexcel AS/A Level Geography Diverse Places (p.119 onwards)</p> <p>J:\Geography A LEVEL\Mr Naughton\Diverse Places VLE for revision and to access ppts</p> <p>Seneca – Edexcel Geography Seneca - Learn 2x Faster (senecalearning.com)</p>
<p>Globalisation</p> <ul style="list-style-type: none"> - FDI - Trade blocs - Growth of globalisation (ICT etc..) 	<p>Understanding Globalisation – p80-90 Geography for Edexcel – A Level Year 1 - Revision Guide.</p> <p>J:\Geography A LEVEL\Miss Day\Globalisation VLE for revision and to access ppts.</p> <p>Seneca – Edexcel Geography Seneca - Learn 2x Faster (senecalearning.com)</p>



History

Year 12

Mock exams revision guidance

Paper 1: Britain	Date: Monday 19th June (AM)
Topic description	Resources link
Changing Political Landscape 1918-45.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp.4-14. Pearson Textbook pp.10-19. Knowledge Organisers. Revision Pack. https://www.youtube.com/watch?v=X_elCyo1b8Q https://www.youtube.com/watch?v=CWmO0-uC_yw
Consensus Politics and Political Challenges 1945-79.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp.15-22. Pearson Textbook pp.19-22. Knowledge Organisers. Revision Pack.
Economic Challenges 1918-39, 1945-79.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp.25-41. Pearson Textbook pp.22-28. Knowledge Organisers. Revision Pack.
Industrial Relations 1918-45, 1945-79.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp. 42-55. Pearson Textbook pp.28-35. Knowledge Organisers. Revision Pack.
Welfare State, including NHS and Education, 1918-79.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp.58-91. Pearson Textbook pp. 36-61. Knowledge Organisers. Revision Pack.
Society in Change, including Class System, Role of Women, Immigration and Liberal Society, 1918-79.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp. 96-129. Pearson Textbook pp.62-87. Revision Pack.
Changing Quality of Life, including Consumer Society, TV, Cinema, Radio, Culture, Leisure, Sport 1918-79.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp.132-165. Pearson Textbook pp.88-113. Knowledge Organisers. Revision Pack.
Impact of the Thatcher Governments and Interpretations Question.	J:\!!!!!!! History\A Level\Y12 Britain. Democracies in Change (Flags) Textbook pp.169-229. Pearson Textbook pp.114-138. Knowledge Organisers. Revision Pack. https://www.bbc.co.uk/iplayer/episodes/m0005brf/thatcher-a-very-british-revolution

Paper 2: USA	Date: Tuesday 27th June (PM)
Topic description	Resources link
Intolerance in Society in the USA Immigration, Prohibition, Racism and the KKK, The Red Scare	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 178-183 Pearson Textbook pp 246- 251 Knowledge organisers Revision questions
Economic and Cultural Boom Causes of the boom and how society was effected, Cultural changes during the 1920's, Fads, Prohibition.	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 234-241, 252-257 Pearson Textbook pp 168-174, 184-188 Knowledge organisers Revision questions
Economic Crash and the depression 1929- 1933 What caused the crash? What did President Hoover do about the depression, what were the effects of the depression in groups in society	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 241-245, 265-274 Pearson Textbook pp 175- 178, 190-196 Knowledge organisers Revision questions
FDR and the New Deal What were FDR's aims, What was the New Deal, How successful was the New Deal. Why did FDR introduce the second New Deal, What groups gained/lost.	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 274-289 Pearson Textbook pp 197-223 Knowledge organisers Revision questions
Impact of WW2 on Us Society Long term impact of the New Deal. Ethnic minorities position during the war, Social and cultural change, Impact on the economy	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 296-317 Pearson Textbook pp 224- 236 Knowledge organisers Revision questions
Transformation of the USA 1945-55 Economic Transformation, Post war euphoria, industrial changes, societal change,	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 322- 328 Pearson Textbook pp 238-243 Knowledge organisers Revision questions
The Cold war and McCarthyism McCarthyism, Govt actions, impact on society	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 326-331 Pearson Textbook pp 244- 248 Knowledge organisers Revision questions
Cultural Change 1945-55 Hollywood, TV, Sport, women, ethnic minorities, Rock n Roll, Teenage culture.	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 332-336 Pearson Textbook pp 249 - 255 Knowledge organisers Revision questions
Black Civil Rights 1945-55 How far did civil rights of minorities change in the period, Civil rights activists, Govt action, extent of change by 1955.	J:\!!!!!!history/A-level \Year 12 USA Democracies in Change (Flags) Textbook pp 336- 343 Pearson Textbook pp 255- 262 Knowledge organisers Revision questions



Mathematics

Year 12

Mock exams revision guidance

Paper 1	Date:
Topic description	Resources link
Algebraic Expressions	Edexcel A Level Maths Pure 1 Algebraic Expressions - YouTube
Quadratics	Edexcel A Level Maths Pure 1 Quadratics - YouTube
Equations and Inequalities	Edexcel A-Level Maths Pure 1 Inequalities - YouTube Edexcel A-Level Maths Pure 1 Simultaneous Equations - YouTube
Graphs and Transformations	Edexcel A Level Maths Pure 1 Graphs and Transformations - YouTube
Straight Line Graphs	Edexcel A Level Maths Pure 1 Straight Line Graphs - YouTube
Circles	Edexcel A Level Maths Pure 1 Circles - YouTube
Algebraic Methods	Edexcel A Level Maths Pure 1 Methods of Proof - YouTube
Binomial Expansion	A Level Maths Pure - Year 1 The Binomial Expansion - YouTube
Trigonometric Ratios	All of Trigonometric Ratios in 30 Minutes!! Chapter 9 A-Level Pure Maths Revision - YouTube
Trigonometric Identities and Equations	A Level Maths Pure - Year 1 Introduction to Trig Identities - YouTube All of Trigonometric Identities and Equations in 30 minutes!! Chapter 10 A level Pure Maths - YouTube
Vectors	All of Vectors and Magnitude in 40 Minutes!!! Chapter 11 A Level Pure Maths - YouTube
Differentiation	Edexcel A Level Maths Pure 1 Introduction to Differentiation - YouTube
Exam Revision	Edexcel A-Level Maths Pure 1 Exam Revision - YouTube

Paper 2	Date:
Topic description	Resources link
Data Collection	<u>Edexcel A Level Maths Statistics 1 Data Collection & Sampling - YouTube</u>
Measures of Location and Spread	<u>Edexcel A Level Maths Statistics 1 Measures of Location & Spread - YouTube</u>
Representations of Data	<u>Edexcel A Level Maths Statistics 1 Representation of Data - YouTube</u>
Correlation	<u>Edexcel A Level Maths Statistics 1 Correlation - YouTube</u>
Probability	<u>Edexcel A Level Maths Statistics 1 Probability - YouTube</u>
Statistical Distributions	<u>Edexcel A Level Maths Statistics 1 Statistical Distributions - YouTube</u>
Hypothesis Testing	<u>Edexcel A Level Maths Statistics 1 Hypothesis Testing - YouTube</u>
Constant Acceleration	<u>Edexcel A Level Maths Mechanics 1 SUVAT Equations - YouTube</u> <u>Edexcel A Level Maths Mechanics 1 Graphs for Kinematics - YouTube</u>
Forces and Motion	<u>Edexcel A Level Maths Mechanics 1 Vectors - YouTube</u> <u>Edexcel A Level Maths Mechanics 1 Pulleys - YouTube</u>



Physics

Year 12

Mock exams revision guidance

Paper 1	Date:
Topic description	Resources link Log in to the Maricourt website before clicking the link
Measurements and errors	<i>Maricourt Catholic High School</i>
Particles and radiation	<i>Maricourt Catholic High School</i>
Waves	<i>Maricourt Catholic High School</i>
Mechanics and materials	<i>Maricourt Catholic High School</i>
Electricity	<i>Maricourt Catholic High School</i>



Psychology

Year 12

Mock exams revision guidance

Paper 1	Date:
Topic description	Resources link
Conformity to social roles as investigated by Zimbardo.	https://www.tutor2u.net/psychology/reference/conformity-to-social-roles-as-investigated-by-zimbardo
Explanations for obedience: agentic state and legitimacy of authority, and situational variables affecting obedience including proximity and location, as investigated by Milgram, and uniform. Dispositional explanation for obedience: The Authoritarian Personality.	https://www.tutor2u.net/psychology/collections/a-level-psychology-study-notes-social-influence
The multi-store model of memory: sensory register, short-term memory and long-term memory. Features of each store: coding, capacity and duration.	https://www.tutor2u.net/psychology/collections/a-level-psychology-study-notes-memory
Factors affecting the accuracy of eyewitness testimony: misleading information, including leading questions and post-event discussion; anxiety.	https://www.tutor2u.net/psychology/reference/anxiety https://www.tutor2u.net/psychology/collections/a-level-psychology-study-notes-memory
Explanations of attachment: learning theory and Bowlby's monotropic theory. The concepts of a critical period and an internal working model.	https://www.tutor2u.net/psychology/collections/a-level-psychology-study-notes-attachment
Cultural variations in attachment, including van Ijzendoorn.	https://www.tutor2u.net/psychology/collections/a-level-psychology-study-notes-attachment
Bowlby's theory of maternal deprivation. Romanian orphan studies: effects of institutionalisation	https://www.tutor2u.net/psychology/collections/a-level-psychology-study-notes-attachment
Definitions of abnormality, including deviation from social norms, failure to function adequately, statistical infrequency and deviation from ideal mental health	https://www.tutor2u.net/psychology/collections/a-level-psychology-study-notes-psychopathology https://www.tutor2u.net/psychology/reference/revising-the-definitions-of-abnormality-online-lesson Microsoft Teams, Psychology 2022-24, Files, Class Materials, Psychopathology, Definitions of abnormality

<p>The cognitive approach to explaining and treating depression: Beck's negative triad and Ellis's ABC model</p>	<p>https://www.tutor2u.net/psychology/reference/cognitive-approach-explaining-treating-depression-quiz https://www.tutor2u.net/psychology/reference/explaining-depression-ellis-abc-model Microsoft Teams, Psychology 2022-24, Files, Class Materials, Psychopathology, Depression</p>
<p>Content analysis</p>	<p>https://www.tutor2u.net/psychology/reference/research-methods-content-analysis https://www.tutor2u.net/psychology/reference/content-and-thematic-analysis Microsoft Teams, Psychology 2022-24, Files, Class Materials, Research Methods</p>
<p>Control: random allocation and counterbalancing, randomisation and standardisation</p>	<p>https://www.tutor2u.net/psychology/topics/standardisation https://www.tutor2u.net/psychology/topics/randomisation https://www.tutor2u.net/psychology/reference/research-methods-topic-test Microsoft Teams, Psychology 2022-24, Files, Class Materials, Research Methods</p>
<p>Reliability across all methods of investigation. Ways of assessing reliability: test-retest and inter-observer; improving reliability</p>	<p>https://www.tutor2u.net/psychology/reference/reliability Microsoft Teams, Psychology 2022-24, Files, Class Materials, Research Methods</p>



Sociology

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Mock exams revision guidance

Paper 1	Date: 19th June 2023
Topic description	Resources link
Functions of education according to Functionalists and Marxists, including their similarities	https://www.tutor2u.net/sociology/collections/education-student-revision-videos
Marketisation policies including evaluation	https://www.tutor2u.net/sociology/collections/education-student-revision-videos
The hidden curriculum and the impact this has on education	https://www.tutor2u.net/sociology/collections/education-student-revision-videos
Cultural factors influencing educational achievement for gender, social class and ethnicity	https://www.tutor2u.net/sociology/collections/education-student-revision-videos
Material and other factors (internal/external) influencing educational achievement for gender, social class and ethnicity	https://www.tutor2u.net/sociology/collections/education-student-revision-videos
Questionnaires- strengths and limitations	https://www.tutor2u.net/sociology/collections/online-lessons-for-alevel-sociology-students https://www.tutor2u.net/sociology/collections/theory-methods-student-revision-videos https://www.youtube.com/playlist?list=PLqrcnkbxpV7Jr7sKE0-3pLYRnQxbMiY4C
Quantitative data- strengths and limitations	https://www.tutor2u.net/sociology/collections/online-lessons-for-alevel-sociology-students https://www.tutor2u.net/sociology/collections/theory-methods-student-revision-videos