

The Catholic High School, Chester

Yr. 11 Mock Revision Booklet

2024



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BTEC SPORT

Exam Board: Pearson National Tech award level 1/2

Number of papers: 1 Paper

Length of exam: 1h 30 minutes

Equipment required: Calculator, Pen, Pencil, Ruler.

Revision topic areas- Components of fitness and fitness testing.

Fitness components

- Aerobic endurance
- Muscular endurance
- Muscular strength
- Power
- Speed
- Flexibility
- Body Composition

Skill components

- Agility
- Power
- Reaction time
- Balance

Need to know definitions, examples of athletes who need these components, the fitness tests required to test each component and how they can be invalid and unreliable.

Revision resources

Component 3 – The Catholic High School (fireflycloud.net)

Home - BBC Bitesize

Biology

Exam Board: AQA

Number of papers: 1 Paper

Length of exam: 1h 30 minutes

Equipment required: Calculator, Pen, Pencil, Ruler.

Revision topic areas-

Combined

- 1- Cell Biology,
- 2- Bioenergetics (photosynthesis and respiration),
- 3- Infection and response
- 5- Homeostasis

Triple

- 1-Cell Biology.
- 3-Moving and changing material (body systems)
- 5- Homeostasis

Revision resources

Biology – The Catholic High School (fireflycloud.net)

Home - BBC Bitesize

Business

Exam Board: OCR

Number of papers: 1 Paper

Length of exam: 1h 30 minutes

Equipment required: Calculator, Pen, Pencil, Ruler.

Revision topic areas-

	Forms of business ownership	
Use of financial information	Gross profit	Quality control
Breakeven limitations	Cashflow	Quality assurance
Consumer income	Trade credit	Variable costs
Breakeven	Customer service	Calculate %
Unemployment rate	Globalisation	E-Commerce
Cash	Suppliers	Procurement
Stakeholders	Net profit margin	Supply chain
Multinational	Environmental issues	Ethics
Consumer Law	Uses of cashflow	Quality in production
Reasons for Finance	Revenue	Product knowledge
Fixed costs	Pricing	Gross profit margin
ARR	Methods of production	
Business Growth	Technology	

Revision resources

Revision – The Catholic High School (fireflycloud.net)

Chemistry

Exam Board: AQA

Number of papers: 1 Paper

Length of exam: 1h 30 minutes

Equipment required: Calculator, Pen, Pencil, Ruler.

Revision topic areas-

Combined

1: Atomic structure, 2: Bonding and structure, 5: Energy changes and 6: rates of reaction

Triple

1: Atomic structure, 2: Bonding and structure, 3: Chemical calculations, 5: Energy changes and 6: Rates of reaction

Revision resources

Chemistry – The Catholic High School (fireflycloud.net)

Home - BBC Bitesize

Creative I-media

Exam Board: OCR

Number of papers: 1 Paper

Length of exam: 1h 30 minutes

Equipment required: Calculator, Pen, Pencil, Ruler.

Revision topic areas-

- 1: The media industry
- 2: Factors influencing product design
- 3: Pre-production planning
- 4: Distribution considerations

Revision resources

Creative IMedia – The Catholic High School (fireflycloud.net)

Computer Science

Exam Board: OCR

Number of papers: 2 Papers

Length of exam: Paper 1- 1h 30 minutes. Paper 2- 1h30 minutes

Equipment required: Calculator, Pen, Pencil, Ruler.

Revision topic areas- Paper 1 topics

1.2. Memory and Storage

- Primary Storage
- Units of storage
- Binary addition
- Representing Characters, Images
- Compression software

1.3. Network

- Types of networks
- Protocols

1.4. Threats to a network

- Threats to networks
- Preventing vulnerabilities

1.6 Ethics and Laws

- Open source vs proprietary
- Legislation

Paper 2 topics

2.5. Languages

- Low-level and high-level languages

2.2. Programming techniques

- Sequencing
- Iteration - for loops
- Branching - if statements
- Operators - Arithmetic and conditional

2.1. Algorithms

- Trace tables / Sorting algorithms

2.3. Developing robust programs

- Types of errors / Testing and validation

2.4. Boolean logic

- Logic gates/ Truth tables

Revision resources

Computer Science — The Catholic High School (fireflycloud.net)

English Language

Exam Board: AQA

Number of papers: 1

Length of exam: 1h 30 minutes

Equipment required: Pen, Pencil, Highlighter

Revision topic areas- Paper 2 topics

- Unseen Non-Fiction
- Creative writing – Non-Fiction

Revision resources

English Language GCSE – The Catholic High School (fireflycloud.net)

Massolit – The Catholic High School (fireflycloud.net)

English Literature

Exam Board: AQA

Number of papers: 1

Length of exam: 1h 45 minutes

Equipment required: Pen, Pencil, Highlighter

Revision topic areas-

- Macbeth
- Power and Conflict Poetry

Revision resources

English Literature GCSE – The Catholic High School (fireflycloud.net)

Massolit – The Catholic High School (fireflycloud.net)

Food Technology

Exam Board: AQA

Number of papers: 1

Length of exam: 1h 45 minutes

Equipment required: Pen, Pencil, Highlighter.

Revision topic areas-

- Food, nutrition and health
- Food science
- Food safety
- Food choice
- Food provenance

Revision resources

Design Technology – The Catholic High School (fireflycloud.net)

French

Exam Board: AQA

Number of papers: 1

Length of exam: 1h20 minutes

Equipment required: Pen, Pencil, Highlighter.

Exam topics- Listening paper Foundation & Higher. Lists found on firefly.

Revision links

- Mock Revision – The Catholic High School (fireflycloud.net)

Foundation listening book

- Kerboodle - Sign In

Higher listening book

- Kerboodle - Sign In
- www.kerboodle.com - if you need a password reset email your French teacher

Geography

Exam Board: AQA

Number of papers: 2

Length of exam: Paper 1- 1h 30 minutes Paper 2- 45 minutes

Equipment required: Pen, Pencil, Ruler, Highlighter.

Revision topic areas-

Paper 1- Physical Geography

- Hazards
- Tectonic Hazards
- Weather Hazards
- Climate Change
- Living World
- Ecosystems
- Tropical Rainforests
- Hot Deserts
- UK Landscapes
- Rivers

Paper 2-

- Geography Skills
- Llandudno
Fieldwork
questions

Revision resources

Revision – The Catholic High School (fireflycloud.net)

History

Exam Board: Edexcel

Number of papers: 1

Length of exam: Paper 1- 1h 15

Equipment required: Pen, Pencil, Ruler, Highlighter.

Revision topic areas-

- The historic environment of Whitechapel
- Crime and Punishment 1000-present day

Revision resources

Past Papers and revision lists for GCSE History – The Catholic High School (fireflycloud.net)

Crime and Punishment Through Time, C1000-Present – The Catholic High School (fireflycloud.net)

Maths- Calculator- Higher

Exam Board: OCR

Number of papers: 2

Length of exam: Calculator- Paper 1 & 3- 1h30 each.

Equipment required: Pen, Pencil, Ruler, Calculator, Highlighter.

Revision topic areas- Calculator- Paper 1- Standard form, Lowest common multiple, Percentage of an amount, Relative frequency, Bearings, Density, mass and volume, Perpendicular bisector and loci, Ratio, Changing the subject of a formula, SUVAT Equations you need to know what S,U,V,A, and T are, Trigonometry and Pythagoras, Volume of a sphere and cone, Direct proportion, Compound interest, Cumulative frequency , Venn diagrams, Perpendicular lines, Fibonacci sequences, Nth term and quadratic nth term, Transformation of graphs, Listing outcomes, Histograms and Quadratic simultaneous equation

Calculator paper 3- Describing transformations, Reflections, Recipes, Percentage increase, Tree diagrams, Standard form calculations, Scatter diagrams, Surface area of a cuboid, Similar shapes, HCF and LCM, Factorising a quadratic in the form $(ax)^2 + bx + c$, Speed/Time graphs, Function machines including forming, Inverse proportion , Equation of a line, Inequalities on a graph, Speed distance and time, Interquartile range, Box plots, Equation of a circle, Sine and cosine rule and Subtracting algebraic fractions

Revision resources Maths Genie • Learn GCSE Maths for Free GCSE Maths Revision Resources - Corbettmaths GCSE Year 10 & 11 2021/22 – The Catholic High School (fireflycloud.net)

Maths- Non- Calculator Higher

Exam Board: OCR

Number of papers: 1

Length of exam: Calculator- Non-Calculator- Paper 2- 1h30

Equipment required: Pen, Pencil, Ruler, Calculator.

Revision topic areas- Non calculator paper 2-

Percentage increase, Listing numbers from inequalities, Sample space, Writing ratios as fractions, Adding fractions, Line graph, Forming and solving equations (Angles in parallel lines), Plans and elevations, Ordering numbers with indices (Fractional and negative), Area of a parallelogram and trapezium, Recurring decimals to fractions, Probability from a table, Circle theorems, Surds (Multiplying surds and rationalising a denominator), Distance time graphs, Area of triangle (Trig) , Solving a quadratic by factorising, Completing the square (Turning point), Sketching graphs (Including a trig graph), 3D Pythagoras, Reciprocal graphs, Solving equations with algebraic fractions

Revision resources

Maths Genie • Learn GCSE Maths for Free

GCSE Maths Revision Resources - Corbettmaths

GCSE Year 10 & 11 2021/22 – The Catholic High School
(fireflycloud.net)

Maths- Calculator - Foundation

Exam Board: OCR

Number of papers: 2

Length of exam: Calculator- Paper 1 & 3- 1h30 each.

Equipment required: Pen, Pencil, Ruler, Calculator, Highlighter

Revision topic areas- Calculator- Paper 1- Bar Charts. Factors and roots. Probability scale. Plotting coordinates. Rotational symmetry. Inequalities. Money problem. Currency conversion. Simplifying algebraic expressions. Probability from a table. Multiplying and dividing fractions. Sequences. Combined mean. Fractions of an amount. Venn diagrams. Changing the subject of a formula. SUVAT Equations. You need to know what S,U,V,A, and T are. Density, mass and volume. Lowest common multiple. Ratio. Compound interest. Standard form. Simultaneous equations (Worded questions). Percentage of an amount . Bearings. Trigonometry. Perpendicular bisector and loci Relative frequency Bearings, Density, mass and volume.

Calculator- Paper 3- Reflection, Ordering decimals, BIDMAS (Order of operations), Congruent triangles, Solving one step equations, Simplifying a ratio (Also in the form 1:N), Equivalent fractions, Listing outcomes, Function machines, Relative frequency, Product of prime factors, Standard form, Finding the gradient of a line, Area and circumference of a circle, Simultaneous equations from a graph, Describing transformations, Column vectors. Solving a quadratic equation by factorising, Recipes, Tree diagrams, Scatter diagrams, Surface area of a cuboid, Similar shapes.

Revision resources Maths Genie • Learn GCSE Maths for Free GCSE Maths Revision Resources - Corbettmaths GCSE Year 10 & 11 2021/22 – The Catholic High School (fireflycloud.net)

Maths- Non- Calculator Foundation

Exam Board: OCR

Number of papers: 1

Length of exam: Non-Calculator- Paper 2- 1h30

Equipment required: Pen, Pencil, Ruler, Highlighter

Non- Calculator – Paper 2

Pictograms. Indices. Calculating with decimals. Converting between improper fractions and mixed numbers. Product of prime factors. Angles around a point/Vertically opposite angles. Substitution. Percentage increase. Estimation. Sketching graphs. Expanding brackets. Adding and subtracting fractions. Solving equations with unknowns on both sides. Angles in a polygon. Finding the gradient of a line. Listing numbers from inequalities. Sample space. Writing ratios as fractions. Line graph. Plans and elevations. Ordering numbers with indices (Fractional and negative). Tree diagrams. Pythagoras Theorem.

Revision resources

Maths Genie • Learn GCSE Maths for Free

GCSE Maths Revision Resources - Corbettmaths

GCSE Year 10 & 11 2021/22 – The Catholic High School
(fireflycloud.net)

Physical Education

Exam Board: AQA

Number of papers: 2

Length of exam: Paper 1- 1h 15 Paper 2- 1h15

Equipment required: Pen, Pencil, Ruler, Calculator, Highlighter

Revision topic areas- Paper 1

- Anatomy and physiology- Bones/muscles
- Aerobic and anaerobic
- Types of training/ principles of training/ safety considerations.
- Components of fitness/ fitness testing
- Warm ups and cool downs
- Health and fitness.
- Cardiorespiratory

Paper 2

- Skill and ability/ skill classification
- Information processing
- Feedback/guidance
- Arousal
- Personality/ motivation/ Aggression
- Health and fitness/ diet/ sedentary lifestyle/ somatotypes

Revision resources

GCSE PE – The Catholic High School (fireflycloud.net)

Physics

Exam Board: AQA

Number of papers: 2

Length of exam: Paper 1- 1h 15 Paper 2 1h15

Equipment required: Pen, Pencil, Ruler, Calculator, Highlighter

Revision topic areas-

Combined

1: Energy, 2: Electricity, 4: Atomic structure

Triple

1: Energy, 2: Electricity, 4: Atomic structure and 5: Forces.

Revision resources

Physics – The Catholic High School (fireflycloud.net)

Home - BBC Bitesize

Product Design

Exam Board: AQA

Number of papers: 1

Length of exam: 2 hours.

Equipment required: Pen, Pencil, Ruler, Highlighter

Revision topic areas-

Core technical principles

- New and emerging technologies
- Energy generation and storage
- Developments in new materials
- Systems approach to designing
- Mechanical devices
- Materials and their working properties.
- Specialist technical principles

Selection of materials or components

- Forces and stresses
- Ecological and social footprint
- Sources and origins
- Using and working with materials
- Stock forms, types and sizes
- Scales of production
- Specialist techniques and processes
- Surface treatments and surfaces

3. Designing and making principles

- Investigation, primary and secondary data
- Environmental, social and economic challenge
- The work of others
- Design strategies
- Communication of design ideas
- Prototype development
- Selection of materials and components
- Tolerances
- Material management
- Specialist tools and equipment
- Specialist techniques and processes

Revision resources

Physics – The Catholic High School (fireflycloud.net)

Religious Education

Exam Board: Edexcel

Number of papers: 2

Length of exam: Paper 1- 1h45 Paper 2 50 minutes

Equipment required: Pen, Pencil, Highlighter.

Revision topic areas-Paper 1

Beliefs and Teachings- 1.1 The Trinity. 1.2 Biblical understanding of the Trinity. 1.3 Creation accounts. 1.4 Creation and humanity. 1.5 The Incarnation. 1.6 The Paschal Mystery. 1.7 The significance of the Paschal Mystery. 1.8 Eschatology

Practices 2.1 The Sacramental Nature of reality. 2.2 Liturgical Worship. 2.3 The Funeral Rite. 2.4 Prayer. 2.5 Popular Piety. 2.6 Pilgrimage . 2.7 Catholic Social Teaching. 2.8 Catholic Mission and Evangelism

Sources of Wisdom. 3.1 The Bible. 3.2 Interpretation of the Bible. 3.3 The Magisterium. 3.4 Second Vatican Council. 3.5 The Church as the Body of Christ. 3.6 The Four Marks of the Church. 3.7 Mary as a Model for the Church. 3.8 Sources of Personal and Ethical decision making

Forms of Expression. 4.1 Catholic church architecture. 4.2 Catholic church features. 4.3 Sacred objects. 4.4 Artwork. 4.5 Sculpture and Statues. 4.6 Symbolism and Imagery in religious art. 4.7 Drama. 4.8 Music

Paper 2

Philosophy. 1.1 Revelation. 1.2 Visions. 1.3 Miracles. 1.4 Catholic views on religious experience. 1.5 Design Argument. 1.6 Cosmological Argument. 1.7 The Problem of Evil. 1.8 Solutions to the Problem of Evil

Ethics 2.1 Marriage. 2.2 Sexual Relationships. 2.3 The Family. 2.4 Support for the family. 2.5 Family planning. 2.6 Divorce, annulment and remarriage. 2.7 Equality of men and women in the family. 2.8 Gender prejudice and discrimination.

Revision resources

Revision – The Catholic High School (fireflycloud.net)

Year 11 and 13
Mock Exam Timetable

External exam - takes priority

Year 11 mock exams

Year 13 mock exams

	Mon 8th January		Tue 9th January		Wed 10th January		Thu 11th January		Fri 12th January	
	Year 11	Year 13	Year 11	Year 13	Year 11	Year 13	Year 11	Year 13	Year 11	Year 13
	8.45 AM	RE Paper 1 1h 45m	English Lang Paper 1 2h 30m Economics Paper 1 2h	Maths Calc Paper 1 1h 30m	Biology Paper 1 2h RE Paper 1 2h Computer Science Paper 1 2h 30m	No Exams	BTEC Sport PE1 Unit 2 Task 31525H	English Lang 1h 45m	Maths (Pure) Paper 1 2h English Lit Paper 1 2h 30m Media Studies 2h	Music MU1 1h
1.30 PM	Spanish Listening F 1h 20m Spanish Listening H 1h 45m	No Exams	Computer iMedia 1h 30m Comp Sci Paper 1 1h 30m	Psychology Paper 1 2h	Science Triple Biology 1h 15m Science Trilogy Biology 1h Science Synergy Paper 1 1h 15m	Physics Paper 1 2h	Geography Paper 1 90m	Geography Paper 1 1h 45mm Chemistry Paper 1 2h	RE Paper 2 50m	PE Paper 1 2h History Paper 1 1h 30m

	Mon 15th January		Tue 16th January		Wed 17th January		Thu 18th January		Fri 19th January	
	Year 11	Year 13	Year 11	Year 13	Year 11	Year 13	Year 11	Year 13	Year 11	Year 13
	8.45 AM	No Exams	BTEC Business 31463H 2h BTEC H&S 31491H 1h 30m	Food 1h 45m BTEC Sport 1h 30m PE Paper 1 1h14m Product Design 2h	English Language Paper 2 2h 30m Economics Paper 2 2h Spanish Listening 2h 30m	Maths Non-Cal Paper 2 1h 30m	Psychology Paper 2 2h Physics Paper 2 2h	English Lit 1h 30m	Biology Paper 2 2h French Listening 2h 30m	Comp Sci Paper 2 1h 30m PE Paper 2 1h 14m Spanish W H/F 1h 15m/1h French W H/F 1h 15m/1h
1.30 PM	Geography Paper 2 (3) 45m	RE Paper 2 2h Chemistry Paper 2 2h Spanish Writing 2h	Science Triple Chemistry 1h 15m Science Trilogy chemistry 1h Science Synergy Paper 2 1h 15m	Geography Paper 2 1h 45m Maths (Pure) Paper 2 2h	History 1h 15m	History Paper 2 (3) 2h 30m Computer Science Paper 2 2h 30m French Writing 2h	Business 1h 30m French Listening F 1h 20m French Listening H 1h 45m	PE Paper 2 2h	Science Triple Physics 1h 15m Science Trilogy Physics 1h	No Exams

How can I revise?

20-20-20 Revision technique.

20-20-20

1st 20 minutes- Note taking- Short term memory.

- Revise a topic e.g. rivers/the heart/ the cold war/ components of fitness/ percentages/ poem/

How?

- Mind maps/ flash cards/ written notes.

BREAK

2nd 20 minutes- Self testing- Retrieval- Linked to long term memory.

- Can you remember key information from the notes you have just completed?

-Can you remember different parts of heart/ different impacts on rivers/ key text from the poem/ the definitions of the components of fitness/ the method to work out percentages.

How?

-Flash cards/ verbally/ written

BREAK

3rd 20 minutes- Practice exam questions-Retrieval- Application of working memory to long term memory.

-Complete an exam question based on the topic you have just revised.

How?

-Ask your teachers for past papers. Exam questions online.

Useful FREE online resources

- [Get Revising](#)
- [Home - BBC Bitesize,](#)
- <https://www.youtube.com/?gl=GB&hl=en-GB>