St Antony's
Roman Catholic School

Respect † Love † Integrity † Service † Resilience

Year 11 Mock Examination Information

November 2023

You should cross out subjects where mock exams do not apply to you.

Name:

Useful links:

How to manage you time

Procrastination – How to Beat it

STAR Workshop Session 1

STAR Workshop Session 2

STAR Workshop Session 3

STAR Workshop Session 4

STAR Workshop Session 5

STAR Workshop Session 6

STAR Workshop Session 7

STAR Workshop Session 8

STAR Workshop Session 9

STAR Workshop Session 10

Contents:

Maths

You will need the following equipment for your Maths examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator
- Protractor
- Pair of Compasses

Assessment Dates and length of Assessments:

- Tuesday 14th November: Paper 1 (non-calc) – 1 hr 30 mins
- Monday 20th November: Paper 2 (calc) - 1 hr 30 mins
- Wednesday 22nd November: Paper 3 (calc) - 1 hr 30 mins

Area of curriculum assessed: Paper 1, Paper 2, Paper 3

What you will need to revise for this assessment:

FOUNDATION

Paper 1

Angle Facts
Apply four operations
Approximation and estimation
Averages
Calculate exactly with fractions
Calculate exactly with mixed numbers
Calculations with money
Circle definitions and properties
Conversion between fractions, decimals and percentages
Coordinates
Dividing decimals
Exact trig values
Frequency polygons
Index notation
One quantity as a fraction of another
Order decimals
Percentages and problems involving percentage change
Primes, factors, multiples
Probability trees
Ratio in real context
Scatter graphs
Simplifying and factorising algebraic expressions
Solve linear equations
Solve two simultaneous equations graphically
Surface area and volume of a cube
The nth term of a sequence
Translate situations or procedures into algebraic expressions, formulae or equations
Use compound units
Venn diagrams and probability

Paper 2

0-1 probability scale
BIDMAS and inverse operations
Change between standard units or measure
Conventional geometrical terms and notation
Conversion between fractions, decimals and percentages
Error interval
Frequency tables
Growth and decay, compound interest
Identifying graphs from their shapes
Measures of central tendency (median, mean, mode and modal class)
Multiplicative relationship between two quantities
Percentages and problems involving percentage change
Primes factor form
Primes, factors, multiples
Proportional reasoning
Randomness, fairness and equally likely events
Ratio in real context
Ratio notation, reduction to simplest form
Rounding
Scale factors, scale diagrams and maps
Simplify an algebraic expression
Solve linear inequalities
Solve problems involving direct and inverse proportion
Transformations
Translate situations or procedures into algebraic expressions, formulae or equations
Using a calculator
Use compound units
Volume cuboids

Paper 3

Angles in parallel lines
Area & Perimeters of 2D shapes
Bar charts
BIDMAS and inverse operations
Change between standard units
Conversion between fractions, decimals and percentages
Describing transformations
Distance-time graph
Growth and decay, compound interest
HCF/LCM from Prime Factor Form
Interpret Pie charts
Order numbers
Percentages and problems involving percentage change
Probabilities of an exhaustive set of outcomes
Properties of 3D shapes
Ratio in real context
Roots, intercepts, turning points of quadratic functions
Scale drawings and bearings
Simplify an algebraic expression
Simplify indices
Solve linear equations
Solve problems involving direct and inverse proportion
Solve problems involving direct and inverse proportion
Solve problems involving inverse proportion
Standard form
Use compound units
Use standard units of measure and related concepts
Write a number from words to figures

HIGHER

Paper 1

3D Pythagoras's Theorem and Trigonometry
Calculate exactly with fractions
Calculate exactly with surds
Circle theorems
Dividing decimals
Exterior and interior angles
Frequency polygons
Graphs and equations of lines
Index notation
Listing strategies / Product rule for counting
Percentages and problems involving percentage change
Probability Trees
Ratio in real context
Rearrange formulae to change the subject
Scatter graphs
Simplify and manipulate expressions using laws of indices
Solve quadratic inequalities
Solve two simultaneous equations from a graph
Surface area of spheres
Theoretical probability; appropriate language; 0-1 probability scale
Use compound units
Venn diagrams
Volume cuboids given surface area

Paper 2

Areas of composite shapes
BIDMAS and inverse operations
Compound interest
Concepts and vocabulary of algebra
Cumulative frequency graphs
Factorise expressions
Histograms with equal and unequal class intervals
Independent and dependent combined events
Limits of accuracy; bounds/trigonometry
Measures of central tendency (median, mean, mode and modal class)
Primes factor form
Probability outcomes
Pythagoras's Theorem and Trigonometry
Ratio in real context
Rearrange formulae to change the subject
Relate ratios to fractions and to linear functions
Relate ratios to fractions and to linear functions
Relationships between lengths, areas and volumes in similar figures
Represent the solution set of inequality on a number line
Rounding; Inequality notation to specify error interval
Samples and theoretical probability distributions
Sine and cosine rule
Solve linear inequalities
Solve two simultaneous equations
The nth term of a quadratic sequence
Translate situations or procedures into algebraic expressions, formulae or equations
Vectors

Paper 3

Apply angle facts
Arc lengths, angles and areas of sectors of circles
Box plots
Circle theorems
Distance-time graphs, velocity-time graphs
Enlargement negative SF
Expand expressions
Expand the product of 3 binomials
Factorise expressions
Fractions, decimals and percentages as operators
Gradient at a point on a curve as the instantaneous rate of change
Graphs of exponential functions
Independent and dependent combined events
Mathematical arguments and proofs
Percentages and problems involving percentage change
Primes, factors, multiples
Pythagoras's Theorem and Trigonometry
Rates of change
Recurring decimals and their corresponding fractions
Roots, intercepts, turning points of quadratic functions
Simplify and add algebraic fractions
Simplify and manipulate expressions using laws of indices
Solve problems involving direct and inverse proportion
Surface area of cones and composite solids
Use compound units
Vectors

English Literature

You will need the following equipment for your English Literature examination:

- Black pen (please have a spare)
- Highlighter

Assessment Date and length of Assessment:

- Monday 13th November: Paper 2 – 1 hour 45 mins

Area of curriculum assessed:

English Literature Paper 2: An Inspector Calls, Power and Conflict Poetry

What you will need to revise for this assessment:

- Your revision guides for each part of the test.
- GCSEPOD/Bitesize

An Inspector Calls	Power and Conflict
We will not be telling you what the questions are about but you will have a choice between character or theme- you only pick ONE. You will be given structure strips to guide you.	The named poem will be *Ozymandias* and it will be on the *theme of power.* You will be given structure strips to guide you.

English Language

You will need the following equipment for your English Language examination:

- Black pen (please have a spare)
- Highlighter

Assessment Date and length of Assessment:

- **Thursday 23rd November: Paper 1 – 1 hour 45 mins**

Area of curriculum assessed:

English Language Paper 1, Explorations in Creative Reading and Writing

What you will need to revise for this assessment:

- Your language revision guide and workbook.

Combined Science

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment:

- Wednesday 15th November: Combined Science Chemistry 1 hr 10mins
- Wednesday 22nd November: Combined Science Biology 1 hr 10mins

COMBINED SCIENCE CHEMISTRY

Area of curriculum assessed: Chemistry paper 1

What you will need to revise for this assessment:

Foundation tier

Topic	Foundation tier
1. Chromatography	101
2. Interpreting chromatograms	102
3. Changes in state	97
4. Electrolysis	110
5. Predicting products of Electrolysis	111
6. Hazards and risks	77
7. Processing and presenting data	76
8. Making Insoluble Salts	109
9. Metallic Bonding	89
10. Electronic configurations	82
11. Empirical Formulas and Percentage Mass	92
12. Ionic bonding	84
13. Covalent Bonding	86
14. Neuralisation reactions	105

15. State symbols	76
16. Acids and Bases	104
17. Reactivity of Metals	115
18. Reactions of acids	106
19. Extracting metals using carbon	116
20. Extracting metals using electrolysis	117

Higher tier

Topic	Higher tier
1. State symbols	76
2. Acids and bases	105
3. Reactivity of metals	115
4. Reactions of acids	107
5. Strong and weak acids	106
6. Dynamic equilibrium	121
7. Le Chatelier's Principle	122
8. Electrolysis of copper sulfate	112
9. Moles	91
10. Making soluble salts	109
11. Filtration and crystallisation	101
12. States of Matter	97
13. More calculations	92
14. Relative masses and chemical formulas	90
15. Purity	99
16. Interpreting chromatography	103
17. Distillation	100
18. Ionic compounds	85
19. Covalent bonding	86

COMBINED SCIENCE CHEMISTRY

Area of curriculum assessed: **Biology paper 2**

What you will need to revise for this assessment: **Foundation tier**

Topic	Foundation tier
21. Ecosystems and interdependence	66
22. The carbon cycle	71
23. Factors affecting enzyme activity	16
24. Circulatory System – Blood Vessels	60
25. Circulatory System – The Heart	61
26. Hormones	52
27. The Menstrual Cycle	53
28. Contraception	54
29. Impacts on Human Biodiversity	70
30. Investigating ecosystems	68
31. Homeostasis – Control of Blood Glucose	55
32. Diabetes	56
33. Respiration	63

Higher tier

Topic	Higher tier
20. Hormones	52
21. Homeostasis – control of blood glucose	56
22. Diabetes	57
23. Respiration	64
24. Photosynthesis	47
25. Limiting factors in photosynthesis	48
26. Specialised exchange surfaces – the Alveoli	60
27. The Menstrual Cycle	54
28. Units and equations	8
29. The Nitrogen Cycle	73
30. Ecosystems and Interactions Between Organisms	67

Triple Science Biology

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment:

- Wednesday 22nd November: Biology 1 hr 45mins

Area of curriculum assessed: Biology Paper 2

What you will need to revise for this assessment:

Higher tier

Topic	Higher tier
1. Indicator species	105
2. Diffusion, osmosis and active transport	21
3. Hormones	77
4. Diabetes	82
5. Respiration	92
6. Photosynthesis	69
7. Thermoregulation & Osmoregulation and The Kidneys	83 & 84
8. Designing investigations	5
9. Limiting factors in Photosynthesis	70
10. Diffusion and the alveoli	88
11. Ecosystems and Energy Transfers	97
12. More on Ecosystems and Energy Transfers	98
13. Conservation and Biodiversity	100
14. The Menstrual Cycle	79
15. Units and equations	9
16. The Nitrogen Cycle	104
17. The Carbon Cycle	102

Triple Science Chemistry

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment:

- **Wednesday 15th November: Chemistry 1 hr 45mins**

Area of curriculum assessed: **Chemistry Paper 1**

What you will need to revise for this assessment:

Higher tier

Topic	Higher tier
1. The atom and isotopes	16 & 17
2. Electrolysis	48
3. Chemical equations involving ions	13
4. Acids and Bases & Strong and Weak acids	43 & 44
5. Reactivity of Metals	53
6. Relative Masses and Chemical Formulas	27
7. Limiting Reactants	31
8. Percentage Yield	66
9. Transition metals	62
10. The Haber Process	68
11. Dynamic Equilibrium	59
12. Le Chatelier's Principle	60
13. Electrolysis of Copper Sulfate	50
14. Moles & More Calculation	28 & 29
15. Making Soluble Salts	47
16. Displacement reactions	54
17. Purity & Distillation	36 & 37

RE

You will need the following equipment for your RE examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment:

- Tuesday 14th November: 1 hour 30 mins

Area of curriculum assessed: To be provided in class

What you will need to revise for this assessment: To be provided in class

History

You will need the following equipment for your History examinations:

- Black Pen x 2
- Highlighter (optional)

Assessment Dates and length of Assessments:

- Wednesday 15th November — Paper 1 Crime & Punishment 1hr 20 mins
  Monday 20th November — Paper 2 Weimar Germany 1 hr 15 mins

Area of curriculum assessed:

- Paper 1 – Crime and Punishment
- Paper 2 – Weimar and Nazi Germany

What you will need to revise for this assessment:

Paper 1 – Crime and Punishment:

- Crime and Punishment in in Medieval England c.1000-c.1500 (pages 6-18)
- Crime and Punishment in Britain c.1700-1900 (pages 38-50)
- Crime and Punishment in Modern Britain c.1900-present (pages 54-67)

Paper 2 – Weimar and Nazi Germany:

- The Weimar Republic, 1918-1929 (pages 6-14)
- Nazi Control and Dictatorship 1933-1939 (pages 34-44)
- Life in Nazi Germany 1933-1939 (pages 46-54)

The page numbers above refer to the revision textbooks that you have been given (CGP black books). You could also use your exercise books from last year and Seneca.

Geography

You will need the following equipment for your Geography examinations:

- Black Pen x 2
- Pencil
- Ruler
- Calculator

Assessment Date and length of Assessment:

- Thursday 16th November — Paper 1 Component 1 - 1 hr 45 mins
- Thursday 21st November — Paper 2 Problem Solving 1hr 30 mins

Area of curriculum assessed:

Paper 1

Theme 1 - Migration including push and pull factors, Aid, the impacts of large sporting events (Revision Guide Pages 11, 12, 72 -74 and in Rural Urban Booklet)

Theme 2 - Coasts (Revision Guide Pages 49 -55, Droughts (Revision Guide Pages 13)

Theme 3 - Water Management and Desertification (Revision Guide Pages 41, 100-105)

Paper 2

Problem Solver – This will be on HICs and Water Supply (Use Water Management and Living in a HIC City (Manchester) for Revision).

What you will need to revise for these assessments:

- Red books / Workbooks
- Knowledge Organisers (Given out in class)
- Revision Guides
- Access the centralised revision hub on SharePoint which has everything you need to succeed. Click on the link: https://livestantonys.sharepoint.com/sites/Year11RevisionMaterials

Computer Science

You will need the following equipment for your Computer Science examination:

- Black Pen x 2

<u>Assessment Dates and length of Assessments:</u>

- **Friday 17th November 1hr 30mins**

Area of curriculum assessed:

1.1 - Systems architecture
1.2 - Memory and storage
1.3 - Computer networks, connections and protocols
1.4 - Network security
1.5 - Systems Software
1.6 - Ethical, legal, cultural and environmental impacts of digital technology
2.1 - Algorithms

What you will need to revise for this assessment:

Your blue CGP Computer Science Revision Guide

Business

You will need the following equipment for your Business examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment:

- Thursday 16th November: 1 hour 45 mins

Area of curriculum assessed: To be provided in class

What you will need to revise for this assessment: To be provided in class

French

You will need the following equipment for your French examinations:

- Black pen (please have a spare)

Assessment Dates and length of Assessments:

- Thursday 16th November: Higher: Writing – 1 hour 15mins
  Foundation: Writing – 45mins
- Friday 17th November: Higher: Listening (45mins) and Reading (1hour)
  Foundation: Listening (35mins) and Reading (45 mins)

Area of curriculum assessed:

Writing:

- Higher - practise writing 150 word essays on the topics
  - technology
  - holidays
  - TIP - use MINIMUM 6 tenses in the essay, MUST include two justified opinions, include snazzy phrases from the sentence builders
- Foundation - practise writing 40-90 word essays for the following topics
  - food, exercise and healthy living.
  - school and future plans
  - festivals and celebrations
  - TIP - Use the 4Js to get time frame coverage in the 90w essay
  - TIP - use simple opinions and reasons in the present tense ONLY for the 40 word essay

Use the padlet link below for sample essays and translation practice

Reading/Listening:

- Revise the vocab lists attached for the tier you are sitting.
- You only need to know this vocab French to English
- Use Quizlet sound icon to learn the vocab aurally (all links are attached)

Use the padlet link below for all resources and a revision guide to support your home learning.

https://padlet.com/mtstevens29/year-11-french-exam-revision-a52dzxycqe5vq996

Music

You will need the following equipment for your Music examination:

- Black pen (please have a spare)
- Pencil for dictation question (please have a spare)

Assessment Date and length of Assessment:

- Friday 17th November: – 1 hour 15 mins

Area of curriculum assessed: Component 3: Appraising

What you will need to revise for this assessment:

- Bach Badinerie Set Work
- Toto Africa Set Work
- All the elements of music and music theory (DR PAT SMITH)
- All musical devices terminology and definitions (Appendix C)
- Area of Study 1: Musical Forms and Devices
- Area of Study 2: Music for Ensembles
- Area of Study 3: Film Music
- Area of Study 4: Popular Music
- Musical dictation – melodic and rhythmic

Art, Craft & Design

You will need the following equipment for your Art, Craft & Design examination:

- Pencil, ruler & rubber
- Your sketchbook
- Your photos that you have taken for your final piece (available to you digitally) and printed off A4
- Any specific equipment and materials need to be arranged with your teacher / Mr Lau in advance

<u>Assessment Date and length of Assessment:</u>

- **Friday 24th November: – All Day**

Area of curriculum assessed:

AO3 – Record ideas, observations and insights relevant to intentions as work progresses

You will be creating a 'maquette'. This is a practise final piece that you will create over 5 hours.

After the exam, you will then refine your idea in readiness for your final 10 hour assessment in December

What you will need to revise for this assessment:

You need to have a clear idea of:

- Your theme
- Your message
- Your artists
- Practise using your media (materials)

Hospitality & Catering

You will need the following equipment for your examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment:

- **Friday 17th November: – 1 hour 45 mins**

Area of curriculum assessed:

- Job roles and responsibilities
- Health and safety relating to a chambermaid
- Ratings-specifically by the AA
- Type of contracts
- Types of equipment -large
- Dietary requirements and allergies
- Bacteria and risks
- Hazards and control measure
- Hospitality providers
- Food preparation skills

What you will need to revise for this assessment:

Research how to make the following dishes.

- Cottage or Shepherd's pie
- Set decorated cheesecake
- Baton carrots & beans

You need to cover the above curriculum areas using the following resources.

- My revision notes book by Hodder given out in class
- Homework booklet (KS4-Unit 1-Part 1) given out in class
- Knowledge organisers
  https://resource.download.wjec.co.uk/vtc/2021-22/el21-22_14-18c/wjec/1-1-2_types-of-employment-roles-and-responsibilities.pdf
  https://resource.download.wjec.co.uk/vtc/2021-22/el21-22_14-18d/eng/1-3-1-health-and-safety-in-hospitality-and-catering-provisions.pdf
  https://resource.download.wjec.co.uk/vtc/2021-22/el21-22_14-18c/wjec/1-1-1_standards-and-ratings.pdf
  https://resource.download.wjec.co.uk/vtc/2021-22/el21-22_14-18c/wjec/1-1-3_working-conditions-in-the-h-and-c.pdf
  https://resource.download.wjec.co.uk/vtc/2021-22/el21-22_14-18a/eng/2-1_ko_kitchen-equipment.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22_14-18a/eng/4.1_ko_food-related-ill-health.pdf
https://resource.download.wjec.co.uk/vtc/2021-22/el21-22_14-18c/wjec/1-1-1_types-of-h-and-c-provision.pdf

PE

You will need the following equipment for your PE examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment:

- Friday 17th November: – 1 hour

Area of curriculum assessed: **Paper 1 – Physical factors affecting performance**

What you will need to revise for this assessment:

- Class exercise book
- Revision guide – Section 1, 2 and 3 (Pages 1-32)
- GCSE Physical Education - OCR - BBC Bitesize

Anatomy + Physiology

1. Muscular System - Involuntary, voluntary and skeletal muscle - Muscular system - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
2. Skeletal System - Structure of the skeletal system - Skeletal system - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
3. Cardiovascular System - Structure of the cardiovascular system - Cardiovascular system - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
4. Respiratory System - Structure of the respiratory system - Respiratory system - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
5. Aerobic and Anaerobic System – Anaerobic respiratory system - Aerobic and anaerobic exercise - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
6. Long + Short term effects of exercise – Short term effects of exercise on the body systems - Long and short term effects of exercise - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
7. Movement Analysis – First, second and third class levers in the body - Movement analysis - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize

Physical Training

1. Keeping fit and healthy in sport - Components of fitness - Keeping fit and healthy in sport - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
2. Principles of training - Definitions and descriptions of the principles of training - Principles of training - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize
3. Methods and effects of training - The effects of the warm up and cool down process - Methods and effects of training - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize

Preventing injury in sport - Health screening - PAR-Q questionnaire - Preventing injury in sport - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize