

COWLEY INTERNATIONAL COLLEGE



**Rehearsal Examinations
December 2022**

COUNT UP TO GCSE'S

Phase 3 March - Exam season

2 hours of revision

Keep going! By the end of Phase 3 you will be fully prepared and ready to tackle your Year 11 GCSE's. Good Luck!

Phase 2 January & February

1 hour of revision

By the end of Phase 2, 300 lessons will have been completed! You've got this!

Phase 1 November - Christmas

30 minutes of revision

100 days / 20 weeks
500 lessons until GCSE exams!



EXAMINATION SEASON BEGINS



Assessment Prep Week
17th April
24th April



Assessments
20th March
27th March



POD Week
6th March
13th March

EASTER HALF TERM
& EASTER MASTERCLASSES



Assessments
30th January
6th February



POD Week
16th January
23rd January



Study Week
20th February
27th February



GCSE Rehearsal Exam Results Day
9th January

Prom Passport Launch
4th January



Study Week
4th January
9th January



Rehearsal Exams
5th December
12th December



Study Week
28th November



POD Week
14th November
21st November

Examination Procedures for Students

All examinations will be held in the Sports Hall or Cowley Hall (6th form site) unless otherwise advised. Make sure you know when and where they are to take place, and where you are sitting - this should be recorded on your Examination Card.

- Students should ensure that they have with them any necessary equipment, e.g. calculators, 2 black pens, pencils, rulers etc...*
- Mobile phones and other electronic devices (including Smart watches) are not allowed in the examination room under any circumstances. Students found with a mobile phone, or any other type of device, on their person will be subject to the Rules of the Examination Board, which could result in their paper being disqualified.*
- Students should make their way to the exam venue and arrive no later than the advertised time. Prior to an afternoon examination, students may be required to have an early lunch. Further details will be provided during morning registration on the day of the examination and be displayed on the corridor screens.*
- Seat numbers will be given to you by your Team Tutor, you should write these on your Examination Card. They will also be posted near to the entrance to the examination room and on the Year Team office window. It is the responsibility of the student to know their seat/room number.*
- Students who are late may not be allowed to enter the examination room.*
- Students should enter and dismiss from the examination room silently and listen carefully to instructions.*
- Students should check carefully the paper they are issued to ensure it is the correct examination / tier of entry.*
- Any queries should be directed at a member of staff or an invigilator by raising your hand.*
- Students should not communicate verbally or non-verbally with any other student when inside the examination venue.*
- Students will be dismissed back to normal lessons after the examination has ended.*

I confirm that I have read and understood the procedures at this Examination Centre for all formal GCSE Examinations.

Signed: _____ Print name: _____

Date: _____

*Notice for Centre – all boxes should be ticked by any person(s) completing an Examination at the Centre.

Rehearsal Examination Timetable

Week A		Periods 1&2	Periods 3&4	Period 5
Monday	5 th Dec	English Language (1h 45)	Biology (1h 15) Separates 1h 45	
Tuesday	6 th Dec	Maths (1h 30)	Chemistry (1h 15) Separates 1h 45	
Wednesday	7 th Dec	English Literature (2h)	Physics (1h 15) Separates 1h 45	PE (1hr) Dance (1hr)
Thursday	8 th Dec	Geography (1h 30)	French (1h 45) Higher 2h 15	Y10 & Y11 Health (45 min)
		History (1h 45)	Mandarin (1h 45) Higher 2h 15 Construction (1h)	
Friday	9 th Dec	Maths (1h 30)	Computer Science (1h 30) Engineering (1h) Animal Care (1h)	
Y11 - Week B		Periods 1&2	Periods 3&4	Period 5
Monday	12 th Dec	Art (2h) *classroom	Business (1h 45) Construction (1h)	Y11 EXAM CATCH-UP

Revision Timetable

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
8:30 – 9 am							
9 – 9:30							
9:30 – 10							
10 – 10:30							
10:30 – 11							
11 – 11:30							
11:30 – 12							
12 – 12:30							
12:30 – 1							
1 – 1:30							
1:30 – 2							
2 – 2:30							
2:30 – 3							
3 – 3:30							
3:30 – 4							
4 – 4:30							
4:30 – 5							
5 – 5:30							
5:30 – 6							
6 – 6:30							
6:30 – 7							
7 – 7:30							
7:30 – 8							
8 – 8:30							
8:30 – 9							
9 – 9:30							
9:30 – 10 pm							

Key	
	School
	Bedtime
	Dinner
	Relaxation/Socialising time

To complete your revision timetable, remember the following things:

- Start by blanking out things that don't change often (school/sports commitments etc).
- Set a reasonable bed time – enough to give your brain recuperation time. This is essential for converting short term memories to long term.
- Keep aside a dedicated dinner time – it's important to eat well but also take time to chat with family.
- Block out some relaxation time. You do not want to burn out. *But remember to always prioritise revision*

Now you're ready to complete your revision slots...

- Break every subject down into its **component topics**
E.g. ENGLISH LANGUAGE: Reading; transactional writing; narrative writing
ENGLISH LITERATURE: A Christmas Carol; An Inspector Calls; Macbeth; unseen poetry.
- Match subjects based on *skills* (revise scientific and mathematical subjects together and essay-based subjects together).
- BE FLEXIBLE: Be prepared to alter & adapt this revision timetable every half term.

WHY ARE MOCKS GOOD FOR YOU?
Taking your Mock exams is rather like having a healthy diet or making the effort to exercise - you'll feel a lot better afterwards if you take it seriously!
Here's why



EXERCISES YOUR BRAIN TO BUILD EXAM STAMINA



HELPS IDENTIFY TOPICS YOU NEED TO REVISE



TESTS YOUR REVISION STRATEGIES



HELPS YOU GET USED TO EXAM PRESSURE



ALLOWS YOU TO PRACTICE EXAM TECHNIQUES



GIVES YOU EXPERIENCE OF EXAM SETTING



IT'S THE PERFECT OPPORTUNITY TO ASK FOR HELP

THE IMPORTANCE OF
MOCK EXAMS

ENGLISH LANGUAGE

Paper 2 (AQA)

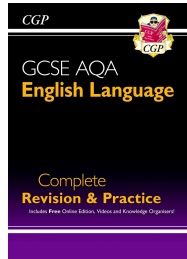
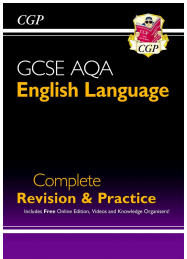
Writers' Viewpoints and Perspectives

EQUIPMENT REQUIRED

- 2 black pens
- Highlighters
- Ruler

Date of Examination: **Monday, 5th December 2022**

Length of paper: **1 hour 45 mins**

Topic	Details	Revision guide reference	Pod Playlist Title
<p>SECTION A Reading Non-Fiction</p> <p>Two fiction texts: one from the 21st century and one from either the 19th or 20th Century ABOUT THE SAME TOPIC.</p>	<p>About 1 hour. Q1 – 5 mins (list 4 things) Q2 – 12 mins (language) Q3 – 12 mins (structure) Q4 – 25 mins (response to statement)</p> <p>In Q1, Q2 and Q4, you will be directed to look at certain lines – it is imperative you only answer on the lines mentioned.</p> <p>Think carefully about writers' craft.</p>	 <p>All pages referring to PAPER 2 Section A: Reading p6+7 p20-33, p36-41 p42-55 p104-114</p>	<p>English Language</p> <ul style="list-style-type: none"> ➤ Reading Non-Fiction & Transactional Writing ➤ <i>Reading Non-Fiction</i> ➤ All pods <hr/> <p>English Language</p> <ul style="list-style-type: none"> ➤ Reading & Writing Skills ➤ All 9 pods
<p>SECTION B Writing Non-Fiction</p> <p>One transactional writing task to complete</p>	<p>About 45 mins. ONE non-fiction writing task to complete. You will be given a statement to which you must respond.</p> <ul style="list-style-type: none"> - Plan your response carefully using the Q5 plan you've learnt in class: Remember ETHOS/PATHOS/LOGOS - Be engaging, original + ambitious with vocabulary - Always PROOF READ to check 	 <p>All pages referring to PAPER 2 Section B: Writing p8 p70-72, 80-91 p116</p>	<p>English Language</p> <ul style="list-style-type: none"> ➤ Reading Non-Fiction & Transactional Writing ➤ <i>Transactional Writing</i> ➤ All pods <hr/> <p>English Language</p> <ul style="list-style-type: none"> ➤ Spelling, Punctuation and Grammar ➤ All 8 pods

50% of your English Language GCSE

ENGLISH LITERATURE


Component 1

(Eduqas)

EQUIPMENT
REQUIRED

- 2 black pens
- Highlighters

Date of Examination: **Wednesday, 7th December 2022**
Length of paper: **2 hours**

Topic	Details	Pod Playlist Title	Other Revision Resources
MACBETH 1 hour	Be prepared to answer on: Key themes, mainly: <ul style="list-style-type: none"> • Ambition and Kingship Major characters <ul style="list-style-type: none"> • Macbeth, Lady Macbeth, Banquo 	<ul style="list-style-type: none"> • Macbeth Characters • Macbeth Themes 	CGP revision guides for Macbeth & Poetry 
ANTHOLOGY POETRY 1 hour	Revise: Nature and War poems in your anthology Poetic devices & terminology The 7 questions	<ul style="list-style-type: none"> • Nature Poetry • War Poetry 	Your class' MS Team page BBC Bitesize

Remember:

Macbeth Paper – 1 hour, 40 marks in total split into two sections:

- extract question /15 (20-25mins)
- essay question /20+5 (35-40mins)

Poetry Paper – 1 hour, 40 marks in total split into two sections:

- analysis of given poem /15
- comparison of given poem with another of your choice /25

MATHS

Higher Paper

EQUIPMENT REQUIRED

- Pen Pencil Ruler
- Scientific Calculator

Date of Examination: **Tuesday, 6th & Friday, 9th December 2020**

Length of paper: **1 ½ hours**

Topic	Location of Pods
Angles in Polygons	Geometry & Measure
Density Problem	Geometry & Measure
Trigonometry	Geometry & Measure
Area of Circle Problem	Geometry & Measure
Box Plots	Statistics
Compound Interest Problem	Ratio and Proportion
Combinations	Probability
Ratio Problem	Ratio and Proportion
Graphical Inequalities	Algebra
Algebraic Fractions	Algebra
Rearranging Formula	Algebra
Area of a Triangle	Geometry & Measure
Iteration	Ratio and Proportion

Notes:

**There will be a walking talking mock before the 1st mock exam.
All the topics above are taken from the 2nd mock .**

MATHS

Foundation Paper

EQUIPMENT REQUIRED

- Pen Pencil
- Ruler
- Scientific Calculator

Date of Examination: **Tuesday, 6th & Friday, 9th December 2020**

Length of paper: **1 ½ hours**

Topic	Location of Pods
Money Problem	Number
Time Problem	Number
Substitution	Algebra
Ratio Problem	Ratio & Proportion
Rearranging Formula	Algebra
Volume & Surface Area	Geometry & Measure
Algebra in Angles Problem	Geometry & Measure
Currency Problem	Number
Venn Diagrams & Notation	Probability
Simultaneous Equations	Algebra
Median and Probability	Statistics
Fractions, Percentages & Ratio	Ratio & Proportion
Angles in Polygons	Geometry & Measure
Density Problem	Ratio & Proportion

Notes:

**There will be a walking talking mock before the 1st mock exam.
All the topics above are taken from the 2nd mock .**

Separates **BIOLOGY**

Higher Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Monday, 5th December 2022**

Topic	Details	Revision guide reference
Cells	Structure of Plant and Animal Cells	P1-2
Microscopy	$M = I \times A$ and use of correct units Electron and light microscopes	P5
Pathogens	Defence against diseases - non specific	P84
Photosynthesis	Required practical and limiting factors	P118 -
Transpiration	Definition and factors affecting it	P61
Heart and Transplant Evaluation	Importance of valves and double circulation	P35
Glucose Control	tests for glucose, how glucose conc in blood affects water potential in cells	P37 – Food tests
Exchange / stem cells	Small Intestines- methods of exchange	p12-13 / p25
Drug Trials	Stages of and use of monoclonal antibodies	P85
Importance of enzymes in digestion	Products of digestion	P47

Included in the paper is checking on the validity of results- being able to draw a graph from given data and interpret information from tables.

Separates **BIOLOGY**

Foundation Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Monday, 5th December 2022**

Topic	Details	"Oxford revise" revision guide
Organisation in Animals	Digestion, enzymes, food tests Human gas exchange, circulatory system, the heart, valves, blood vessels	B4
Cell Transport	Diffusion, Osmosis & Active transport	B2
Cell Division	Mitosis, stem cells & differentiation	B3
Organisation in Plants	Structure of a leaf, transport vessels, factors affecting transpiration	B6
Respiration	Anaerobic respiration in yeast Identifying variables in an investigation Taking measurements from scientific equipment	B12
Communicable Disease	Antibiotics, stopping the spread of disease Microbiology required practical on antibiotics Calculation of a mean Malaria How the body prevents disease	B7 B8
Non-communicable disease	Treating cardiovascular disease, comparing replacement valves	B10
Cell Biology	Comparing light & electron microscopes, drawing/labelling an animal cell, function of organelles, comparing plant & animal cells, calculating magnification	B1
Photosynthesis	Required practical for photosynthesis Identifying variables Drawing a graph	B11

Included in the paper is calculating a mean average, control variables, independent variables, drawing a graph and a line of best fit

Trilogy **BIOLOGY**

Higher Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Monday, 5th December 2022**

Topic	Details	"Oxford revise" revision guide reference
Cells and cell transport	Cell transport – Diffusion, Osmosis, Active transport Adaptations for exchanging substances Eukaryotes and Prokaryotes	Page 12 and 13 Page P13 Page 2
Heart	Labelling the heart	Page 33
Disease	Origins of penicillin, aspirin and digitalis Malaria	Page 73 Page 63
Effect of exercise	Respiration rate Breathing rate	Pages 102 and 103
Digestion	Amylase, protease and lipase; their substrates and products Food tests	Page 43 Page 35
Plants	Transpiration Rate of transpiration Photosynthesis	Page 52 and 53 Page 55 worked example Page 92
Microscopes	Correct use of the microscope Magnification	Page Pages 2 and 5

- **Included in the paper is:**
- **resolution (Page 5),**
- **plotting a graph and drawing a suitable curve of best fit (Page 58 Q3.3 practice question, P16 Q1.4 practice question)),**
- **predicting how a curve of best fit might change when different variables change,**
- **calculating the surface area of a cube (P105 worked example)**

Trilogy **BIOLOGY**

Foundation Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Monday, 5th December 2022**

Topic	Details	"Oxford revise" revision guide reference
Photosynthesis	Required practical for Photosynthesis Photosynthesis word equation Limiting factors	Pages 92 -95
Cell transport	Diffusion Osmosis Adaptations for exchange substances.	Pages 12- 13 Pages 12- 13 Pages 13, 32
Organisation in plants	Plant tissues Stomata	Page 32 Page 52
Organisation in animals	The Heart Circulatory system The digestive system	Page 33
Cell structure	Organelles Specialised cells Microscopes	Page 2 Page 3 Pages 2,5
Spread of disease	Virus, Bacteria, Fungi, Protists Vaccines	Pages 62- 63
Enzymes	Digestive enzymes Food tests	Page 43
Respiration	Effects of exercise	Page 93

Included in the paper is calculating surface area, Magnification equation and variables.

Separates **CHEMISTRY**

Higher Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Tuesday, 6th December 2022**

Topic	Details	"Oxford revise" revision guide reference
Atomic Structure	Structure of the atom, masses and charges. Mass number, Atomic number . Isotopes. History of the atom Rutherford's experiment	
Development of the periodic table.	Mendeleev	
Bonding, structure and properties	Covalent, Metallic, Ionic Allotropes of Carbon including nanotubes and nanoparticles. Dot cross diagrams	
Reactions of acids		
Reactivity of metals		
Quantitative Chemistry	Mr Moles, Concentration, Volume of gas Reacting masses. Titration	
Energy Changes	Endo/Exothermic reactions, energy profiles, Including calcs. Required Practical	
Electrochemical cells and Fuel cells		
Electrolysis	Molten Aqueous Solutions – Required Practical	

Included in the paper is standard form, naming physics and writing a method, re-arranging equations, reading graphs, reading information from tables, understanding variables in an investigation, sources of random/systematic errors, accuracy, precision, resolution

Trilogy **CHEMISTRY**

Higher Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Tuesday, 6th December 2022**

Topic	Details	"Oxford revise" revision guide reference
Quantitative Chemistry	Concentration = mass/volume	Revision 224-225, Questions 228-233
	Mr and percentage by mass	
	Avogadro's constant (<i>knowledge of using balanced equations, limiting reactants and reacting masses are NOT required</i>)	
Variables	Control, dependent and independent	
Chemical Reactions	Reactivity series	Revision 234, Questions 238-243
	pH scale and universal indicator (<i>knowledge of strong and weak acids, the making salts required practical and neutralisation reactions is NOT required</i>)	Revision 244, Questions 248-253
	State symbols	Revision 224
Energy changes	Required practical-investigating temperature changes	Revision 267
	Reaction profiles	Revision 264, Questions 268-273
	Bond Energy calculations	Revision 265, Questions 268-273
Structure and Bonding	Simple covalent bonding- including dot and cross diagrams and explanation of properties (<i>knowledge of giant covalent structures and fullerenes is NOT required</i>)	Revision 194, Questions 198-203
	Ionic bonding – including explanation of properties (<i>knowledge of metallic structure is NOT required</i>)	Revision 204, Questions 208-213
Periodic Table	History of the periodic table	Revision 214-215, Questions 218-223
	Trends in reactivity and boiling point of group 1, 7 and 0	
	Observations of group 1 and group 7 reactions	
Electrolysis	Electrolysis of aluminum oxide	Revision 254-255, Questions 258-263
	Half Equations	
Maths Skills	Reading a graph	Revision 217, 287
	Calculating gradient of a line	

Trilogy **CHEMISTRY**

Foundation Paper

You will need, pen, pencil, ruler, calculator

Date of examination: **Tuesday, 6th December**

Topic	Details	"Oxford revise" revision guide reference
Energy Changes	Exothermic & Endothermic Reactions Reaction Profiles Required practical-investigating temperature changes	Revision 180-181, 258-259 Questions 184-189, 262-267
Electrolysis	Electrolysis of copper chloride	Revision 240-241 Questions 244-249
Chemical Changes	Salts & Acids Universal Indicator Balancing equations Required practical – Making salts	Revision 230-231 Questions 234-239
Periodic Table	History of the periodic table Trends in reactivity and boiling point of group 1, 7 and 0	Revision 210-211 Questions 214-219
Atomic Structure & Bonding	Structure of the atom, masses, and charges - Ions Mass number & Atomic number Dot & Cross diagrams Covalent bonding	Revision 180-181, 190-191 Questions 184-189, 194-199
Quantitative Chemistry	Calculating mass Concentration = mass/volume Mr and percentage by mass	Revision 220-221 Questions 224-229
Chemical Reactions	Reactivity series State symbols	Revision 250-251, 230-231 Questions 252-257, 234-239
Variables	Control, Dependent & Independent	
Math Skills	Taking readings from scientific apparatus Reading a graph Calculating gradient of a line Percentages	

Variables Control, Dependent & Independent

Math Skills Taking readings from scientific apparatus, reading a graph,
Calculating gradient of a line, Percentages

Separates **PHYSICS**

Higher Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Wednesday, 7th December 2022**

Topic	Details	"Oxford revise" revision guide reference
Energy	Understanding efficiency including efficiency equation Kinetic and gravitational potential energy including equations ($E_k = 0.5mv^2$, $E_p = mgh$) Thermal conductivity Specific heat capacity and specific latent heat (including using equations)	P1-13 P14-25
Electricity	Power including $P=VI$, $P=I^2R$, $P=E/t$ Mains electricity – frequency, voltage Series and parallel circuits Electrostatic force (static electricity) Equations $E = QV$, $V = IR$, $I = Q/t$	P48-59
Atomic Structure	Completing radioactive decay equations Properties/dangers of nuclear radiation (alpha, beta, gamma) Half-life problems	P72-95
Particle Model	Density including using equation $\text{density} = \text{mass}/\text{volume}$ Calculating the volume of a cube Internal energy Using the particle model to describe different states of matter	P60-71

Included in the paper is standard form, naming physics and writing a method, re-arranging equations, reading graphs, reading information from tables, understanding variables in an investigation, sources of random/systematic errors, accuracy, precision, resolution

Separates **PHYSICS**

Foundation Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Wednesday, 7th December 2022**

Topic	Details	"Oxford revise" revision guide
Particle model	Using the particle model to describe different states of matter Using temperature/ time graphs to describe changes of state Density including use of equation: $\text{density} = \text{mass}/\text{volume}$	
Energy	Using GPE equation: $\text{gravitational potential energy} = \text{mass} \times \text{gravitational field strength} \times \text{height}$ Factors that affect the amount of kinetic energy stored in an object Using specific latent heat equations: $\text{thermal energy for a change of state} = \text{mass} \times \text{specific latent heat}$ Non-renewable and renewable energy resources (advantages and disadvantages) RECALL of power equation ($\text{Energy} = \text{power} \times \text{time}$)	
Atomic Structure	Discovery of the atom Rutherford's experiment Properties of alpha, beta and gamma radiation Decay equations (alpha, beta and gamma) Ionisation	
Electricity	Circuit symbols Series and parallel circuits (current, potential difference, resistance) Use of $\text{charge} = \text{current} \times \text{time}$, $\text{energy} = \text{charge} \times \text{potential difference}$,	
Required practical Insulation	Why do insulate objects?, resolution of thermometer, use of specific heat capacity equation (equation given on AQA Physics equation sheet)	

Included in the paper is extrapolation of graphs, choosing equipment to accurately take measurements, reproducible and repeatable data, calculating percentages, resolution,

Trilogy **PHYSICS**

Higher Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Wednesday, 7th December 2022**

Topic	Details	"Oxford revise" revision guide ref
Electricity	Resistance in circuits Ammeters and voltmeters in circuits Relationship between current and potential difference of a resistor Current, potential difference and resistance equation Resistance in cables Resistance in parallel circuits Circuit symbols Thermistors Parallel circuits Power, current and potential difference equation AC and DC	366-367 357 356
Molecules and matter	Gas pressure Specific latent heat States of matter and changes of state Changes in particle arrangements during changes of state	376-377
Energy resources	Non-renewable resources meaning	346
Energy	Energy dissipation Specific heat capacity	337
Radiation	Changes in the nucleus for gamma emission Properties of gamma Risks of radiation Nuclear equations Half life	396-397
HSW	Significant figures Linear relationships Control variables	

Trilogy **PHYSICS**

Foundation Paper

You will need; pen, pencil, ruler, calculator

Date of Examination: **Wednesday, 7th December 2022**

POD Playlist: <https://members.gcsepod.com/pupils/assignments/assignment/1037341>

Topic	Details	"Oxford revise" revision guide ref
Circuits	<ul style="list-style-type: none"> - Diagrams of components - Power equations - Charge equation - Resistance - Wiring ammeters and voltmeters - Variable resistors - Calculating resistance 	347 337 / 318 337 347 347 347 347
Experiments	<ul style="list-style-type: none"> - variables - Errors (random ,zero, measurement) - anomalous definition - calculating a mean 	Use GCSE POD video "Scientific Method"
Energy	<ul style="list-style-type: none"> - efficiency - energy equations - renewable and non-renewable energy 	319 319 326/27
Radiation	<ul style="list-style-type: none"> - Rutherford's experiment - What happens when atoms absorb or emit electromagnetic radiation 	366
Radioactive isotopes	<ul style="list-style-type: none"> - Count rate - Half life - Drawing lines of best fit - Blocking alpha, beta and gamma 	376/77
Electrical safety & energy transfers	<ul style="list-style-type: none"> - Wiring plugs - Energy equations - Energy transfers in a toaster 	336
Energy	<ul style="list-style-type: none"> - Gravitation potential energy and equation 	318
Thermal energy	<ul style="list-style-type: none"> - specific latent heat - states of matter and particle arrangements 	356/57

HISTORY

EQUIPMENT REQUIRED

- Black pen
- Spare pen

Date of Examination: **Thursday, 8th December 2022**

Length of paper: **1 hour 45 mins**

Topic	Details	Revision guide reference	Pod Playlist Titles
Elizabethan England	You will sit a full Elizabethan paper. Topic to revise include- Government, problems inherited, Religious settlement and reactions to it, Mary, Queen of Scots, Northern Rebellion, Society and Exploration.	Use old exercise book in place of revision guide	Elizabethan England Edexcel
Crime and Punishment	Topics include time period Medieval 1000-1500, Early Modern 1500-1700, 18 th and 19 th Century and Modern Britain 1900 to present. The assessment will also contain questions on the Whitechapel historical environment.	PP: All	Crime and Punishment through time Edexcel

Notes

Revise all units covered above. Try to make as much use of GCSE Pod as possible as it breaks down the units mentioned above until smaller chunks. If anyone needs any further support, please speak to your class teacher.

GEOGRAPHY

EQUIPMENT REQUIRED

- Black pen
- Pencil
- Ruler
- Calculator

Date of Examination: **Thursday, 8th December 2022**

Length of paper: **1 hour 30 mins**

Topic	Details	Revision guide reference	Pod Playlist Title
The challenge of natural hazards	Extreme weather Tropical storms Tectonic hazards	P. 29 P. 25-28 P. 18-23	Geography December mock examination
The living world	Tropical rainforests Cold environments Global ecosystems	P. 42-46 P. 53-56 P. 41	
Physical landscapes of the UK	Coastal landscapes Glacial landscapes	P. 62-67 P.80-85	

Notes

Revision for all topics is required, not just those listed above. Questions worth 6 or more marks require you to bring in **all** of your geographical knowledge. The Pods and revision guides may have different examples/case studies to the ones we have taught you – please try to keep to the examples you have studied in class, though other examples will be marked.

DO NOT answer the question on rivers.

FRENCH Higher

Listening / Reading / Writing / Speaking

Date of Examinations:

- Listening – in class week beginning 21st November
- Speaking – week beginning 28th November
- Reading/Writing – Thursday, 8th December (2 hours 15 mins)

Topic	Details	Revision reference	Pod Playlist Title
Writing Examination			
school topic OR celebrations topic	Complete one 90 word writing piece	Refer to Knowledge Organisers and assessment revision booklets	https://members.gcsepod.com/shared/playlists/playlist/264944
technology topic OR holidays topic	Complete one 150 word writing piece	Refer to Knowledge Organisers and assessment revision booklets	https://members.gcsepod.com/shared/playlists/playlist/264947/72863
Speaking Examination			
THEME 1, 2 or 3 (excluding jobs/future plans topic)	YOU WILL COMPLETE: A ROLEPLAY A PHOTO CARD CONVERSATION IN FRENCH	Speaking test notes as provided by your teacher	

Theme 1 covers family, friends, marriage, technology, free-time, healthy eating, eating out, sport

Theme 2 covers house, town, local area, healthy living, the environment and holidays

Theme 3 covers school subjects, life at school

Note: Your classwork notes are the most relevant resource for all aspects of the assessment.

FRENCH Foundation

Listening / Reading / Writing / Speaking

Date of Examinations:

- Listening – in class week beginning 21st November
- Speaking – week beginning 28th November
- Reading/Writing – Thursday, 8th December (1 hour 45 mins)

Topic	Details	Revision reference	Pod Playlist Title
Writing Examination			
health topic	Complete 40 word writing piece (10 words per bullet point)	Refer to Knowledge Organisers and assessment revision booklets	https://members.gcsepod.com/shared/playlists/playlist/264944
school topic OR celebrations topic	Complete one 90 word writing piece (22/24 words per bullet point)	Refer to Knowledge Organisers and assessment revision booklets	https://members.gcsepod.com/shared/playlists/playlist/264947/72863
Speaking Examination			
THEME 1, 2 or 3 (excluding jobs/future plans topic)	YOU WILL COMPLETE: A ROLEPLAY A PHOTO CARD CONVERSATION IN FRENCH	Speaking test notes as provided by your teacher	

Theme 1 covers family, friends, marriage, technology, free-time, healthy eating, eating out, sport

Theme 2 covers house, town, local area, healthy living, the environment and holidays

Theme 3 covers school subjects, life at school

Note: Your classwork notes are the most relevant resource for all aspects of the assessment.

Construction

EQUIPMENT REQUIRED

- Pen
- Pencil
- Eraser
- Ruler
- Mathematical equipment inc Calculator

Date of Examination: **Monday, 12th December**

Length of paper: **1hr and 1hr**

Topic and Details	Topic and Details
<p>Responsibilities</p> <ul style="list-style-type: none"> <input type="checkbox"/> Of employees <input type="checkbox"/> Of employers <p>Safety signs</p> <ul style="list-style-type: none"> <input type="checkbox"/> Meanings of colour coding <input type="checkbox"/> Meanings of sign shapes <input type="checkbox"/> Meanings of signs <p>Such as</p> <ul style="list-style-type: none"> o Naked flames prohibited o Pedestrians prohibited o Head protection must be worn o Foot protection must be worn o Risk of fire o Risk of danger <p>Fire extinguishers</p> <p>Water / Foam / CO2 / Dry powder</p> <p>Vaporising liquids</p> <p>Wet chemical / Fire blanket</p> <p>Describe potential effects of hazards in different situations</p> <p>Effects</p> <ul style="list-style-type: none"> <input type="checkbox"/> Physical <input type="checkbox"/> Psychological <input type="checkbox"/> Financial <input type="checkbox"/> Environmental <p>Who is affected</p> <ul style="list-style-type: none"> <input type="checkbox"/> Self <input type="checkbox"/> Others working in the area <input type="checkbox"/> Employer <input type="checkbox"/> Local community <input type="checkbox"/> Environment <input type="checkbox"/> Users 	<p><u>Describe activities of those involved in construction projects</u></p> <p>Those involved -</p> <ul style="list-style-type: none"> • client's team (client, architect, engineer, quantity surveyor, project manager, designer) • contractor's team (builder/site engineer, site supervisor, safety officer, tradespersons, specialist sub-contractors) • statutory personnel (building inspector, town planner, public health inspector) • general (administrator, finance officer, public liaison officer, purchasing/procurement officer, catering, security) <p>Construction projects</p> <ul style="list-style-type: none"> • refurbishments • extensions <p><u>Describe responsibilities of those involved in construction projects</u></p> <p><u>Describe outputs of those involved in realising construction projects</u></p> <p><u>Describe processes used in built environment development projects</u></p> <p>Processes</p> <ul style="list-style-type: none"> • planning (design, project planning, procurement) • construction (secure site, site clearance, substructure, superstructure) • handover to client (commissioning, handover) • maintenance

Control measures

- Method statements
- Safe systems of work
- Work permits
- Competent persons
- PPE

Security

- Of tools and equipment
- Personal belongings
- Sensitive information

Legislation

- Health and Safety at Work Act 1974
- Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (RIDDOR)
- Control of Substances Hazardous to Health Regulations 2002 (COSHH)
- Provision and Use of Work Equipment Regulations 1998 (PUWER)
- Manual Handling Operations Regulations 1992
- Personal Protective Equipment at Work Regulations 1992 (PPER)
- Working at Heights Regulations 2005
- Asbestos

Role of HSE

- when in breach of legislation
- providing support and advice

Situations

- on-site – substructure, superstructure
- off-site – workshop, office, travelling between sites

Calculate resources to meet requirements for built environment development projects**Calculate**

- area
- volume
- percentages
- scaling
- best value
- Tolerances
- VAT
- tender price

Resources

- plant
- labour
- materials

Assess potential effect of factors on project success**Factors -**

- internal e.g. lack of qualified and certified key personnel, sourcing of finance, security
- external e.g. penalty clauses, weather conditions

Interpret sources of information Sources of information

- drawings
- catalogues
- spreadsheets
- suppliers material lists
- specifications

Sequence processes to be followed**Processes**

- planning
- construction
- handover

Set project tolerances

- time
- cost

Notes

Answer every question and in as much detail as possible

Engineering

EQUIPMENT REQUIRED

- Pen
- Pencil
- Eraser
- Ruler
- Mathematical equipment inc Calculator

Date of Examination: **Friday, 9th December**

Length of paper: **1hr**

Topic	Details
Environmental Issues	Environmental issues affecting engineering applications
Describe the properties required of materials for engineering products	Engineering products - Structural, e.g. buildings, bridges Mechanical, e.g. gearbox, crane, bicycle Electronic, e.g. mobile phone, communications, alarm Tensile strength / Hardness / Toughness / Malleability / Ductility Electrical Conductivity / Corrosive resistance / Environmental degradation / Elasticity
How materials are tested for properties	Destructive tests Non-destructive tests
Selecting materials for a purpose	Ferrous / Non-ferrous / Thermoplastics / Thermosetting plastics Smart / Composite
Describing engineering processes	Marking out metal / Cutting metal / Finishing metal Preparing metal / Shaping metal / Drilling metal / Turning metal Brazing and Welding metal Joining metal – permanent and temporary fixings Filing metal / Soldering metal
Describing applications of engineering processes	For material removal For shaping and manipulation For joining and assembly For heat and chemical treatment
Use mathematical techniques for solving engineering problems	Use of formulae / Ohms law / Efficiency / Areas and volumes of geometric shapes / Calculation / Measuring / Estimation Mean / Units of measurement : Metric, Metres, millimetres Pounds, pence
Convert between isometric sketches and 3rd angle orthographic projections	Section views Construction lines Centre lines Hidden detail Standard conventions

Notes

Answer every question and in as much detail as possible

Computer Science

GCSE Pod Playlist Title: Computer Science

EQUIPMENT REQUIRED

- Black Pen
- Ruler

Date of Examinations: Combined Paper 1&2 Friday 9th December

Length of paper: 90 minutes

Topic	Details	Topic	Details
Systems architecture (Paper 1)	<ul style="list-style-type: none"> • the purpose of the CPU • Von Neumann architecture: <ul style="list-style-type: none"> - MAR (Memory Address Register) / MDR (Memory Data Register) / - Program Counter / Accumulator • common CPU components and their function: <ul style="list-style-type: none"> - ALU (Arithmetic Logic Unit) / CU (Control Unit) / Cache • the function of the CPU as fetch and execute instructions stored in memory • how common characteristics of CPUs affect their performance: <ul style="list-style-type: none"> - clock speed / cache size / number of cores • embedded systems: <ul style="list-style-type: none"> - purpose of embedded systems / - examples of embedded systems 	Network security (Paper 1)	<ul style="list-style-type: none"> • forms of attack • threats posed to networks: <ul style="list-style-type: none"> - malware / phishing / people as the 'weak point' in secure systems (social engineering) - brute force attacks / - denial of service attacks - data interception and theft / - the concept of SQL injection / - poor network policy • identifying and preventing vulnerabilities: <ul style="list-style-type: none"> - penetration testing / - network forensics - network policies / - anti-malware software - firewalls / - user access levels - passwords / - encryption
Memory (Paper 1)	<ul style="list-style-type: none"> • the difference between RAM and ROM • the purpose of ROM in a computer system • the purpose of RAM in a computer system • the need for virtual memory • flash memory 	Storage (Paper 1)	<ul style="list-style-type: none"> • the need for secondary storage • data capacity and calculation of data capacity requirements • common types of storage: <ul style="list-style-type: none"> - optical, magnetic, solid state • suitable storage devices and storage media for a given application, and the advantages and disadvantages of these, using characteristics: <ul style="list-style-type: none"> - capacity / - speed / - portability / - durability - reliability / - cost
Ethical, legal, cultural and environmental concerns (Paper 1)	<ul style="list-style-type: none"> • how to investigate and discuss Computer Science technologies while considering: <ul style="list-style-type: none"> - ethical issues / legal issues / cultural issues / environmental issues / privacy issues • how key stakeholders are affected by technologies • environmental impact of Computer Science • cultural implications of Computer Science • open-source vs proprietary software • legislation relevant to Computer Science: <ul style="list-style-type: none"> The Data Protection Act 1998 / Computer Misuse Act 1990 Copyright Designs and Patents Act 1988 / Creative Commons Licensing / Freedom of Information Act 2000 	Programming, Logic, Data Representation (Paper 2)	<ul style="list-style-type: none"> • why data is represented in systems in binary form • simple logic diagrams using the operations AND, OR, NOT • truth tables • combining Boolean operators using AND, OR and NOT to two levels • applying logical operators in appropriate truth tables to solve problems • applying computing-related mathematics: + - / * <ul style="list-style-type: none"> - Exponentiation (\wedge) / MOD / DIV <p>Translators and facilities of languages:</p>
Algorithms: (Paper 2)	<ul style="list-style-type: none"> • computational thinking: <ul style="list-style-type: none"> - abstraction / decomposition / algorithmic thinking • standard searching algorithms: binary search / linear search • standard sorting algorithms: 		

- bubble sort / - merge sort / - insertion sort
- how to produce algorithms using:
 - pseudocode / - using flow diagrams
 - interpret, correct or complete algorithms
- Programming techniques:
 - the use of variables, constants, operators, inputs, outputs and assignments
 - the use of the three basic programming constructs used to control the flow of a program: - sequence, - selection, - iteration (count and condition-controlled loops)
 - the use of basic string manipulation
 - the use of basic file handling operations:
 - open / - read / - write / - close
 - the use of records to store data
 - the use of SQL to search for data
 - the use of arrays (or equivalent) when solving problems, including both one- and two-dimensional arrays
 - how to use sub programs (functions and procedures) to produce structured code
 - the use of data types:
 - integer / - real / - Boolean / - character and string / - casting
 - the common arithmetic operators
 - the common Boolean operators
- Producing robust programs:
 - defensive design considerations:
 - input sanitisation/validation
 - planning for contingencies
 - anticipating misuse
 - authentication
 - maintainability:
 - comments
 - indentation
 - the purpose of testing
 - types of testing:
 - iterative
 - final/terminal
 - how to identify syntax and logic errors
 - selecting and using suitable test data

- characteristics and purpose of different levels of programming language, including low level languages
- the purpose of translators
- the characteristics of an assembler, a compiler and an interpreter
- common tools and facilities available in an integrated development environment (IDE):
 - editors / - error diagnostics / - run-time environment
 - translators
- Data representation:
 - Units: bit, nibble, byte, kilobyte, megabyte, gigabyte, terabyte, petabyte
 - how data needs to be converted into a binary format to be processed by a computer.
- Numbers
 - how to convert positive denary whole numbers (0-255) into 8-bit binary numbers and vice versa
 - how to add two 8-bit binary integers and explain overflow errors which may occur
 - binary shifts
 - how to convert positive denary whole numbers (0-255) into 2-digit hexadecimal numbers and vice versa
 - how to convert from binary to hexadecimal equivalents and vice versa
 - check digits.
- Characters
 - the use of binary codes to represent characters
 - the term 'character-set'
 - the relationship between the number of bits per character in a character set and the number of characters which can be represented (for example ASCII, extended ASCII and Unicode).
- Images
 - how an image is represented as a series of pixels
 - metadata included in the file
 - the effect of colour depth and resolution on the size of an image file.
- Sound
 - how sound can be sampled and stored in digital form
 - how sampling intervals and other factors affect the size of a sound file and the quality of its playback:
 - sample size / - bit rate / - sampling frequency.
- Compression
 - need for compression
 - types of compression: - lossy / - lossless

Business

EQUIPMENT REQUIRED

- Black Pen
- Pencil
- Ruler
- Calculator

GCSE Pod Playlist Title: **Theme 1 Investigating Small Business**

Date of Examination: **Monday, 12th December** Length of paper: **1h 45**

Topic	Details	Revision guide reference
1.1 Enterprise and entrepreneurship	1.1.1 Dynamic nature of business 1.1.2 Risk and reward 1.1.3 Role of business enterprise	Revision guide: p2-3, p8-10 Exam practice workbook: p5 Blue revision cards
1.2 Spotting a business opportunity	1.2.1 Customer needs 1.2.2 Market research 1.2.3 Market segmentation 1.2.4 Competitive environment	Revision guide: p4-8, p9-10 Exam practice workbook: p7-12 Blue revision cards
1.3 Putting a business idea into practice	1.3.1 Business aims and objectives 1.3.2 Business revenues, costs, and profits 1.3.3 Cash and cash-flow 1.3.4 Sources of finance	Revision guide: p11-20 Exam practice workbook: p22-28 Green revision cards
1.4 Making the business effective	1.4.1 Options for start-up and small businesses 1.4.2 Business location 1.4.3 Marketing mix 1.4.4 Business plans	Revision guide: p21-28 Exam practice workbook: p22-28 Purple revision cards
1.5 Understanding external influences on business	1.5.1 Business stakeholders 1.5.2 Technology and business 1.5.3 Legislation and business 1.5.4 The economy and business 1.5.5 External influences	Revision guide: p29-39 Exam practice workbook: p29-37 Orange revision cards

Notes - Formulas to learn:

Total costs, revenue, break even, margin of safety, net cash-flow, opening and closing balances

Health and Social Care

EQUIPMENT REQUIRED

- Pen
- Pencil
- Ruler

Date of Examination: **Thursday, 8th December 2022**

Length of paper: **45 minutes**

Topic	Revision Reference
Definition of health and wellbeing	Class notes / M Teams
Genetic Inheritance	Class notes / M Teams
Chronic and acute illness	Class notes / M Teams
Supportive and unsupportive relationships	Class notes / M Teams
Diet	Class notes / M Teams
Importance of physical activity	Class notes / M Teams
Importance of personal hygiene	Class notes / M Teams
Illegal Drugs	Class notes / M Teams
Alcohol	Class notes / M Teams
Other factors affecting health (poverty/pollution etc.)	Class notes / M Teams
Pulse rates	Class notes / M Teams
Blood pressure	Class notes / M Teams
Peak flow	Class notes / M Teams
BMI	Class notes / M Teams
Lifestyle data	Class notes / M Teams

Notes:

You will only be completing Section A of the exam paper.

