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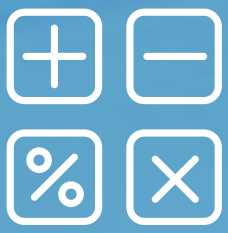
Year 11
Mock Examinations
Assessment Booklet



Revision Topics



Revision Tips



SPARX Help

A message from our Principal

Dear Parents and Pupils,

As we begin the first round of Year 11 mock examinations, I would like to take this opportunity to introduce the examination programme outlined in this booklet. These mock examinations are an important milestone in the GCSE journey, providing pupils with the opportunity to experience formal examination conditions, assess their current level of understanding, and identify areas for further improvement ahead of their final examinations.

Within this booklet, you will find key information about the subjects being examined, the topics that may be assessed, and the examination timetable. We encourage pupils to use this information to plan their revision effectively and make the most of the preparation time available.

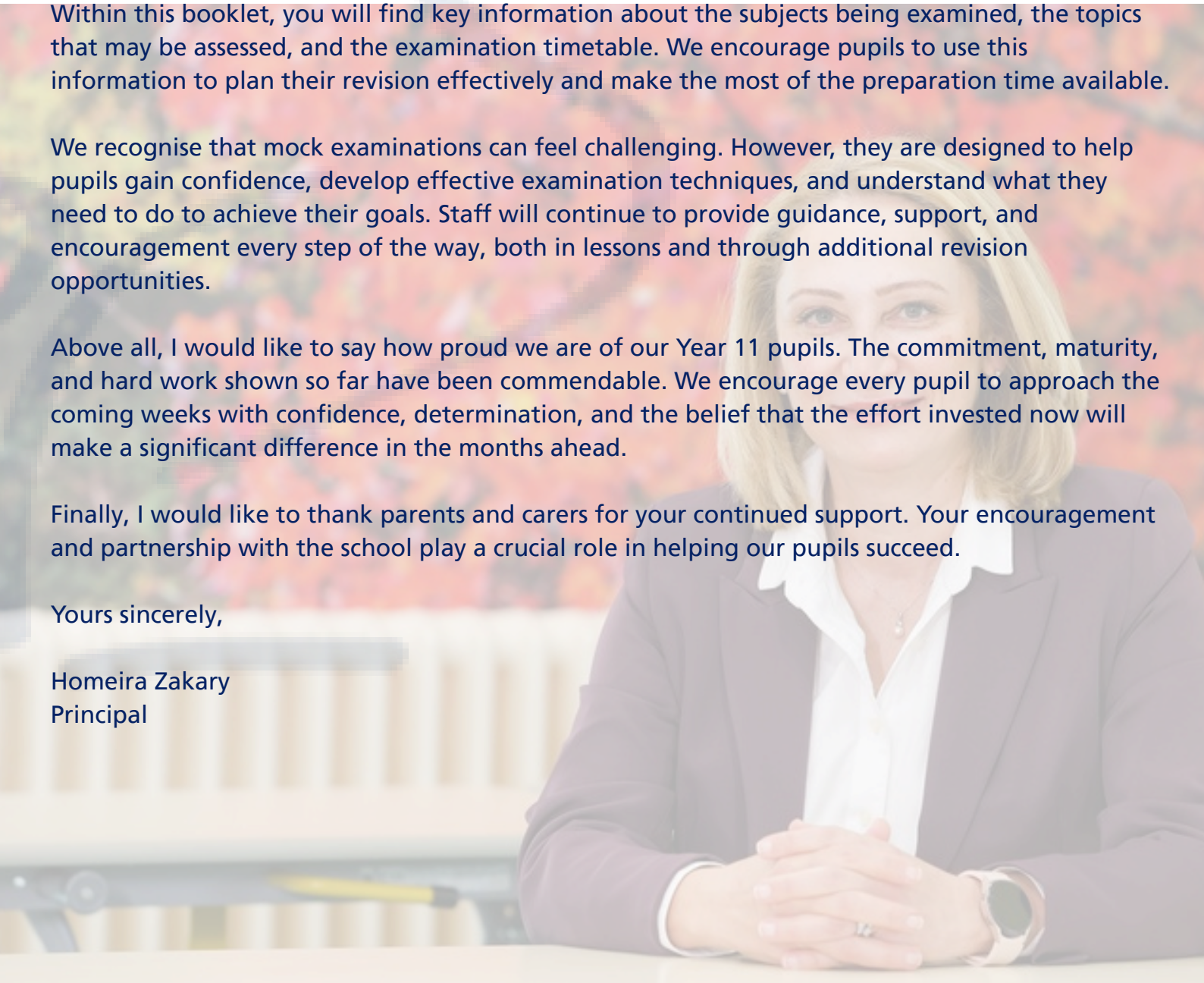
We recognise that mock examinations can feel challenging. However, they are designed to help pupils gain confidence, develop effective examination techniques, and understand what they need to do to achieve their goals. Staff will continue to provide guidance, support, and encouragement every step of the way, both in lessons and through additional revision opportunities.

Above all, I would like to say how proud we are of our Year 11 pupils. The commitment, maturity, and hard work shown so far have been commendable. We encourage every pupil to approach the coming weeks with confidence, determination, and the belief that the effort invested now will make a significant difference in the months ahead.

Finally, I would like to thank parents and carers for your continued support. Your encouragement and partnership with the school play a crucial role in helping our pupils succeed.

Yours sincerely,

Homeira Zakary
Principal



Year 11 Mocks Timetable

Week 1 - Monday 2nd to Friday 6th November

	Monday 2nd	Tuesday 3rd	Wednesday 4th	Thursday 5th	Friday 6th
BOOSTER 8.00 – 8.25am					English
8.30am	MFL Speaking exams	MFL Speaking exams	MFL Speaking exams	MFL Speaking exams	English Literature Paper 1 135 mins
11.15am	MFL Speaking exams	MFL Speaking exams	MFL Speaking exams	MFL Speaking exams	CATCH UP
BOOSTER 1.30 – 1.55pm	MFL Speaking exams	MFL Speaking exams	MFL Speaking exams	RE	CATCH UP
2pm				RE Paper 1 60 mins Digital IT Comp. 3 90 mins	
3.10 - 4.00pm		MFL Speaking exams	MFL Speaking exams	MFL Speaking exams	

Week 2 - Monday 9th to Friday 13th November

	Monday 9th	Tuesday 10th	Wednesday 11th	Thursday 12th	Friday 13th
BOOSTER8.00 – 8.25am	Science (Biology)	RE, PE, Computer Science	Maths	English	Science (Chemistry)
8.30am	Biology Paper 1 Comb. 75 mins Triple 105 mins	RE Paper 2 60 mins PE Paper 1 Computer Science Paper 1	Maths Paper 1 Non-Calculator 90 mins	English Language Paper 2 105 mins	Chemistry Paper 1 Comb. 75 mins Triple 105 mins
11.15am					French Listening Higher 65 mins Foundation 50 mins
BOOSTER1.30 – 1.55pm	Spanish	History	History	Geography	CATCH UP
2.00pm	Spanish Listening Higher 65 mins Foundation 50 mins	History Paper 1 80 mins Digital IT 90 mins – (LK)	History Paper 2: Cold War 55 mins	Geography paper 1 90 mins	
3.10 - 4.00pm		P7	P7	P7	

Week 3 - Monday 16th to Thursday 19th November

	Monday 16th	Tuesday 17th	Wednesday 18th	Thursday 19th	Friday 20th
BOOSTER8.00 – 8.25am	Maths	Music, RE	Science (Physics)	Maths	
8.30am	Maths Paper 2 Calculator 90 mins	Music Comp 3 75 mins RE Paper 3 60 mins	Physics Paper 1 Comb. 75 mins Triple 105 mins	Maths Paper 3 Calculator 90 mins	
11.15am			CATCH UP	CATCH UP	
BOOSTER1.30-1.55pm	MFL	History, Food	Geography	MFL	
2.00pm	French and Spanish Writing Higher 80 mins Foundation 75 mins	History Paper 3 90 mins Food Preparation and Nutrition 105 mins	Geography Paper 2 60 mins	French and Spanish Reading Higher 60 mins Foundation 45 mins	
3.10 - 4.00pm		P7	P7	P7	

Week 4 - Monday 23rd to Thursday 26th November

	Monday 23rd	Tuesday 24th	Wednesday 25th	Thursday 26th	Friday 20th
BOOSTER8.00 – 8.25am					
8.30am	Art & Photography mock exams	Art & Photography mock exams	Art & Photography mock exams	Art & Photography mock exams	
11.15am	Art & Photography mock exams	Art & Photography mock exams	Art & Photography mock exams	Art & Photography mock exams	
1.30pm	Art & Photography mock exams	Art & Photography mock exams	Art & Photography mock exams	Art & Photography mock exams	
3.10 - 4.00pm		P7	P7	P7	

English Literature

Mock Examination focus: Paper 2

Unit	Content
Paper 2	Princess & The Hustler, Poetry Anthology and Unseen Poetry

Exam structure and length:

- Paper 2 2hrs 15 mins

Equipment:

- Pen

Revision materials:

- Flash cards for key terminology
- Flash cards for key quotations
- Annotated copies of quotations
- Essay Plans
- Past Papers
- Revision booklet on Class Charts
- Princess & The Hustler - GCSE English Literature - BBC Bitesize
- AQA Power and Conflict Poems - GCSE English Literature
- Overview - Responding to poetry - AQA - GCSE English Literature Revision - AQA - BBC Bitesize

English Language

Mock Examination focus: Paper 2

Unit	Content
Paper 2	2 Unseen non-fiction extracts

Exam structure and length:

- Paper 2 1hrs 45 mins

Equipment:

- Pen

Revision materials:

- Flash cards for key terminology
- Skills and Timing grid
- Past Papers
- Revision booklet on Class Charts
- GCSE English Language - AQA - BBC Bitesize

Maths

Mock Examination focus:

- The exams will assess and focus on the entirety of the maths specification, which can include topics covered in Key Stage 3 and Key Stage 4.
- All strands of maths will be assessed, including:

Number, Algebra, Ratio and Proportion, Geometry, Statistics and Probability.

- Foundation tier will assess the fundamental principles of maths, which have been taught and covered from Year 7 and build towards 'crossover' content that also appears in the Higher tier paper.
- Higher tier will assess the 'crossover' content also taught and assessed at Foundation tier and extend into the topics covered in Year 10 and 11

Exam structure and length:

- Paper 1 – Non-Calculator (90mins)
- Paper 2 – Calculator (90 mins)
- Paper 3 – Calculator (90 mins)

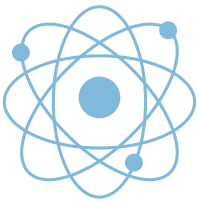
Equipment:

- Pen
- Pencil
- Ruler
- Protractor
- Calculator
- Compass

Revision materials:

- https://www.mathsgenie.co.uk/gcse.php
- Physics & Maths Tutor
- https://sparxmaths.com/
- https://justmaths.co.uk/
- 1st Class Maths - Free online GCSE Maths Revision
- Hannah Kettle Maths | Achieve More, Join Now

Combined Science



Mock Examination focus: Paper 1

Subject	Unit	Content
Biology Paper 1	B1 Cell Biology	Cell structure, microscopy, cell division, transport in cells
	B2 Organisation	Digestive system, enzymes, circulation, plant tissues and organs
	B3 Infection and Response	Communicable disease, pathogens, human defence systems, vaccination, antibiotics, drug development
	B4 Bioenergetics	Photosynthesis, respiration and required practicals
Chemistry Paper 1	C1 Atomic Structure and the Periodic Table	Atomic structure, electronic structure, development of the periodic table
	C2 Bonding, Structure and the Properties of Matter	Ionic, covalent and metallic bonding, states of matter, nanoparticles
	C3 Quantitative Chemistry	Relative formula mass, moles, reacting masses, concentrations, yields
	C4 Chemical Changes	Reactivity, extraction of metals, electrolysis, acids and salts
	C5 Energy Changes	Exothermic and endothermic reactions, reaction profiles, cells and batteries
Physics Paper 1	P1 Energy	Energy stores, transfers, efficiency, national and global energy resources
	P2 Electricity	Charge, current, potential difference, resistance, circuits and domestic electricity
	P3 Particle Model of Matter	Density, changes of state, internal energy, specific heat capacity
	P4 Atomic Structure	Atoms, isotopes, nuclear radiation, contamination, half-life and nuclear fission/fusion

Combined Science

Exam structure and length:

- Biology Paper 1 – 1 hour 15 minutes
- Chemistry Paper 1 – 1 hour 15 minutes
- Physics Paper 1 – 1 hour 15 minutes

Equipment:

- Black pen, pencil, ruler, calculator

Revision materials:

- GCSE Combined Science - AQA Trilogy - BBC Bitesize
- SPARX Science – Independent Learning
- Oak Academy - Free Secondary Science Higher AQA Lesson & Curriculum Resources | Oak National Academy
- Revision Guide: GCSE Combined Science AQA Higher Revision Guide with CGP RevisionHub (CGP AQA GCSE Combined Science): Amazon.co.uk: CGP Books, CGP Books: 9781782945598: Books

Triple Science

Mock Examination focus: Paper 1

Subject	Unit	Content
Biology Paper 1	B1 Cell Biology	Cell structure, microscopy, cell division, transport in cells
	B2 Organisation	Digestive system, enzymes, circulation, plant tissues and organs
	B3 Infection and Response	Communicable disease, pathogens, human defence systems, vaccination, antibiotics, drug development
	B4 Bioenergetics	Photosynthesis, respiration and required practicals
Chemistry Paper 1	C1 Atomic Structure and the Periodic Table	Atomic structure, electronic structure, development of the periodic table
	C2 Bonding, Structure and the Properties of Matter	Ionic, covalent and metallic bonding, states of matter, nanoparticles
	C3 Quantitative Chemistry	Relative formula mass, moles, reacting masses, concentrations, yields
	C4 Chemical Changes	Reactivity, extraction of metals, electrolysis, acids and salts
	C5 Energy Changes	Exothermic and endothermic reactions, reaction profiles, cells and batteries
Physics Paper 1	P1 Energy	Energy stores, transfers, efficiency, national and global energy resources
	P2 Electricity	Charge, current, potential difference, resistance, circuits and domestic electricity
	P3 Particle Model of Matter	Density, changes of state, internal energy, specific heat capacity
	P4 Atomic Structure	Atoms, isotopes, nuclear radiation, contamination, half-life and nuclear fission/fusion

Triple Science

Exam structure and length:

- Biology Paper 1 – 1 hour 45 minutes
- Chemistry Paper 1 – 1 hour 45 minutes
- Physics Paper 1 – 1 hour 45 minutes

Equipment:

- Black pen, pencil, ruler, calculator

Revision materials:

- GCSE Biology (Single Science) - AQA - BBC Bitesize
- GCSE Chemistry(Single Science) - AQA - BBC Bitesize
- GCSE Physics (Single Science) - AQA - BBC Bitesize
- SPARX Science – Independent Learning
- Oak Academy - Free Secondary Science Higher AQA Lesson & Curriculum Resources | Oak National Academy
- Revision Guide: CGP GCSE AQA Biology, Chemistry & Physics Higher Revision Guide 3-book set : CGP Books: Amazon.co.uk: Books

GCSE Food Preparation and Nutrition

Mock Examination focus:

Unit	Content
Food, Nutrition and Health	The Eatwell Guide Macronutrients: carbohydrates, proteins and fats Micronutrients: vitamins and minerals Dietary needs throughout life stages Energy requirements and energy balance Diet-related health issues including obesity, coronary heart disease, Type 2 diabetes and osteoporosis Special diets and nutritional needs
Food Science	Cooking methods and heat transfer Functional properties of ingredients Raising agents Caramelisation and dextrinisation Gelatinisation Coagulation Shortening Aeration Denaturation of proteins
Food Safety	Food spoilage Food contamination Food poisoning bacteria Safe food storage Personal hygiene Temperature control
Food Choice	Religious, cultural and ethical food choices Vegetarian and vegan diets Food allergies and intolerances Consumer influences on food choice Marketing and labelling Sensory testing Food availability and seasonality
Food Provenance	Food production methods Food miles and sustainability Organic farming Fairtrade Environmental issues affecting food production Animal welfare Primary and secondary food processing

GCSE Food Preparation and Nutrition

Exam structure and length:

- 1 examination paper
- 1 hour 45 minutes
- 100 marks
- Worth 50% of GCSE

Equipment:

- Black pens
- Pencil
- Ruler
- Eraser
- Highlighters
- Revision flashcards
- Knowledge organiser which was given in class to take home

Revision materials:

- AQA Specification (Most Important Resource)
- https://www.aqa.org.uk/subjects/food-preparation-and-nutrition/gcse/food-preparation-and-nutrition-8585/specification
- BBC Bitesize GCSE Food Preparation and Nutrition
- https://www.bbc.co.uk/bitesize/subjects/zdn9jhv
- Love Food Love Science
- https://www.ifst.org/lovefoodlovescience
- Knowledge organisers – given to you in class in September 2026.

Geography



Mock Examination focus:

Unit	Content
PAPER 1:	
The Challenge of Natural Hazards	• Overview of the effects of climate change on people and the environment. • General atmospheric circulation model • How monitoring, prediction, protection and planning can reduce the effects of tropical storms. • Physical processes taking place at different types of plate margin (constructive, destructive and conservative) that lead to earthquakes and volcanic activity.
Coastal landscapes in the UK	• Coastal processes: • weathering processes – mechanical, chemical • Characteristics and formation of landforms resulting from erosion – headlands and bays, cliffs and wave cut platforms, caves, arches and stacks. • The coasts and benefits of hard engineering strategies
River landscapes in the UK	• Fluvial processes: • transportation – traction, saltation, suspension and solution • How physical and human factors affect the flood risk – precipitation, geology, relief and land use. • An example of a flood management scheme in the UK to show: • why the scheme was required • the management strategy • the social, economic and environmental issues.
Physical Fieldwork	• Primary data collection method • Data presentation technique • Accuracy of investigation in reaching valid conclusions

Geography



Mock Examination focus:

Unit	Content
PAPER 2:	
Urban Issues and Challenges	• Factors affecting the rate of urbanisation – migration (push–pull theory), natural increase • Rio: managing environmental issues – waste disposal, air and water pollution, traffic congestion. • Opportunities in urban areas: Urban Greening • Features of sustainable urban living: water and energy conservation
Changing Economic World	• Consequences of uneven development: international migration • Nigeria: Location and importance of the country; regionally and globally • Nigeria: the changing industrial structure. The balance between different sectors of the economy. How manufacturing industry can stimulate economic development • Advantages and Disadvantages of TNC's
Resource Management	• Energy: the changing energy mix – reliance on fossil fuels, growing significance of renewables • Food: the growing demand for high-value food exports from low income countries and all-year demand for seasonal food and organic produce
Water (Question 5)	• Reasons for increasing water consumption: economic development and rising population • Lesotho: an example of a large scale water transfer scheme to show how its development has both advantages and disadvantages

Geography



Exam structure and length:

- Paper 1 – Living with the Physical Environment and Physical Fieldwork 1hr 30 mins
- Paper 2 – Challenges in the Human Environment 1hr 30mins

Equipment:

- Pen
- Ruler
- Calculator

Revision materials:

- CGP revision guide
- Case Study Booklet
- Internet Geography: Home - Internet Geography
- BBC Bitesize (AQA GCSE Geography): GCSE Geography - AQA - BBC Bitesize

History



Mock Examination focus:

- AO1 – Demonstrate knowledge and understanding of key features and characteristics of periods studied.
- AO2 – Explain and analyse historical events and periods studied using second-order historical concepts.
- AO3 – Analyse, evaluate and use sources to make substantiated judgements in the context of historical events studied.
- AO4 – Analyse, evaluate and make substantiated judgements about interpretations in the context of historical events studied.

Unit	• Content
• Paper 1 – Medicine in Britain 1250 – Present.	• Medieval Medicine (1250 – 1500) • Renaissance Medicine (1500 – 1700) • Industrial Medicine (1700 – 1900) • Modern Medicine (1900 – Present) • Medicine on the Western Front.
• Paper 2 – Superpower Relations and the Cold War.	• Origins of the Cold War (1941 – 58) • Cold War Crises (1958 – 70) • End of the Cold War (1970 – 91)
• Paper 3 – Weimar and Nazi Germany 1918 – 39.	• The Weimar Republic (1918 – 29) • Hitler's Rise to Power (1919 – 33) • Nazi Control and Dictatorship (1933 – 39) • Life in Nazi Germany (1933 – 39)

Exam structure and length:

- Paper 1 – 1hr 20mins.
- Paper 2 – 55mins.
- Paper 3 – 1hr 30mins.

Equipment:

- Black Pen, Highlighter, Purple Pen (Extra Time only)

Revision materials:

- Medicine - Medicine in Britain, c.1250 to the present day - GCSE History - BBC Bitesize
- Cold War - The Cold War and Vietnam - GCSE History - BBC Bitesize
- Germany - Germany - GCSE History - BBC Bitesize

Spanish



Mock Examination focus:

Unit	Content
Unit 1	Free time, lifestyle, media and technology
Unit 2	My personal world: family and relationships
Unit 3	Health and well being
Unit 4	Study and future plans
Unit 5	Travel and tourism

Exam structure and length:

- Paper 1: Speaking

7-9 minutes - Foundation, 10-12 minutes - Higher (25%)

- Paper 2: Listening

45 minutes - Foundation, 1 hour - Higher (25%)

- Paper 3: Reading 45 minutes - Foundation, 1 hour - Higher (25%)
- Paper 4: Writing

1 hour 15 minutes - Foundation, 1 hour 20 minutes - Higher (25%)

Equipment:

- Cue cards
- General conversation booklets

Revision materials:

- GCSE Edexcel Spanish Complete Revision Guide and Practice - ISBN: 9781837741274
- GCSE Edexcel Spanish Revision Workbook - ISBN: 9781837741991

French



Mock Examination focus:

Unit	Content
Unit 1	Free time, lifestyle, media and technology
Unit 2	My personal world: family and relationships
Unit 3	Health and well being
Unit 4	Study and future plans
Unit 5	Travel and tourism

Exam structure and length:

- Paper 1: Speaking

7-9 minutes - Foundation, 10-12 minutes - Higher (25%)

- Paper 2: Listening

45 minutes - Foundation, 1 hour - Higher (25%)

- Paper 3: Reading 45 minutes - Foundation, 1 hour - Higher (25%)
- Paper 4: Writing

1 hour 15 minutes - Foundation, 1 hour 20 minutes - Higher (25%)

Equipment:

- Cue cards
- General conversation booklets

Revision materials:

- GCSE Edexcel French Complete Revision Guide and Practice - ISBN: 9781837741281
- GCSE Edexcel French Revision Workbook - ISBN: 9781837741984

Music



Mock Examination focus:

Unit	Content
Unit 1	Free time, lifestyle, media and technology
Area of Study 1 – Musical Forms and Devices	• 'Badinerie' by JS Bach set work analysis • Stylistic features of music from the Baroque period, Classical period, and Romantic Period • Binary, ternary and rondo form • Sequence, imitation and pedal notes. • Cadences • Musical structures and development techniques
Area of Study 2 – Music for Ensemble	• Chamber music • Musical theatre • Jazz and blues • Texture and sonority: the roles of instruments and voices within ensembles
Area of Study 3 – Film Music	• Leitmotifs • Underscoring • Use of the musical elements to build mood and atmosphere (MAD T SHIRTT) • Instrumentation and orchestration
Area of Study 4 – Popular Music	• 'Africa' by Toto set work Analysis • Rock and Pop • Fusion • Bhangra • Instrumentation, song structure and stylistic features • Music technology and production techniques

Exam structure and length:

- 1 paper lasting 1hr15

Equipment:

- Pen and pencil

Music

Revision materials:

Knowledge organisers:

- ko1-musical-form-and-devices_area-of-study-1.pdf
- ko2-music-for-ensemble_area-of-study-2.pdf
- ko3-film-music_area-of-study-3.pdf
- ko4-popular-music_area-of-study-4.pdf
- ko5-music-terms-and-signs.pdf
- eduqas-ko-badinerie.pdf
- eduqas-ko-badinerie.pdf
- eduqas-ko-africa.pdf
- eduqas-toto-africa-notes-update-08-20.pdf
- 02-formstructure.pdf
- 03-harmony.pdf
- 04-melody-wjec-eduqas.pdf
- 05-metre.pdf
- 06-musical-styles-eduqas.pdf
- 08-rhythm-eduqas.pdf
- 10-scales.pdf
- 11-sonority-eduqas.pdf
- 12-tempo.pdf
- 13-texture-wjec-eduqas.pdf
- 16-tonality.pdf
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YouTube links for set work revision:

Badinerie:

- Bach: Suite para orquesta nº 2 Badinerie. Partitura y Audición Flauta y orquesta barroca
- EDUQAS GCSE Music Bach Badinerie revision
- GCSE Music | Bach's Badinerie - Analysis of Baroque Style and Structure | Bitesize | GCSE Revision

Africa

- Toto - Africa (Official HD Video)
- EDUQAS GCSE Music Toto Africa revision
- Eduqas GCSE Music: Toto Africa Chord Revision Video

Useful websites:

- GCSE Music - Eduqas - BBC Bitesize
- Elemental Music Platform
- https://www.eduqas.co.uk/qualifications/music-gcse/#tab_pastpapers

PE

Mock Examination focus:

Unit	Content
Component 1: Fitness and Body Systems	Topic 1: Applied anatomy and physiology Topic 2: Movement analysis Topic 3: Physical training

Exam structure and length:

- Paper 1: 1 hour 30 minutes

Equipment:

- Pen
- Pencil
- Ruler
- Calculator

Revision materials:

- GCSE PE REVISION CHECKLIST PAPER 1.pdf
- Revision Guide available here: https://reviseonline.pearson.com/school/united-learning

RE

Mock Examination focus:

Unit	Content
Paper 2 - Christianity	The Nature of God Creation The life of Jesus Salvation Life after Death Forms of Worship Sacraments Pilgrimage Celebrations The Church in the local community The Worldwide Church Reconciliation Persecution Poverty
Paper 3 - Islam	The Nature of Allah Angels (Malaikah) Predestination (Al-Qadr) Prophethood (Risalah) Holy Books The Afterlife (Akhirah) The Five Pillars of Islam The Ten Obligatory Acts of Shi'a Islam Jihad Festivals – Eid-ul-Fitr, Eid-ul-Adha & Ashura
Paper 1 - Good and Evil Human Rights	Good and Evil Absolute & Relative Morality Problem of Evil Crime and Punishment Treatment of Prisoners Capital Punishment Forgiveness Justice Personal Conviction Prejudice and discrimination Racism Religious Expression Censorship Wealth and Charity

RE

Mock Examination focus:

Exam structure and length:

- Paper 1 – Themes (Good and Evil & Human Rights)- 60 minutes – 60 marks
- Paper 2 – Christianity - 60 minutes – 66 marks
- Paper 3 – Islam - 60 minutes – 60 marks

Equipment:

- Pen
- Pencil
- Highlighter

Revision materials:

- GCSE Religious Studies - Eduqas - BBC Bitesize
- Knowledge Organisers - Year 11
- www.eduqas.co.uk/qualifications/religious-studies-gcse/
- www.studyrocket.co.uk/revision/gcse-religious-studies-a-eduqas

PE

Mock Examination focus: Assessment Objective 4 (A04)

Unit	Content
Portfolio	Present a personal, meaningful response that realizes your intentions and demonstrates an understanding of visual language.

Exam structure and length:

- 10 hours over 2 days

Equipment:

- All equipment will be provided. You need to have photographs to work from.

Revision materials:

- Meeting Assessment Objective 4 - Assessment objectives and presenting your work - Edexcel - GCSE Art and Design Revision - Edexcel - BBC Bitesize

BTEC Digital IT



Mock Examination focus:

Unit	Content
Modern Technologies	**Cloud storage** Features and uses, advantages and disadvantages **Cloud computing** SaaS, PaaS and IaaS, benefits and drawbacks **Working collaboratively** Sharing files and documents, remote and flexible working **Choosing suitable digital platforms and services** Matching technology to user and business needs **Impact of modern technologies** Effects on organisations, effects on individuals, accessibility and inclusion, communication and teamwork across different locations
Topic B: Cyber Security	**Threats to data** Hacking, malware and viruses, phishing, social engineering, internal threats from employees **Impact of security breaches** Financial losses, reputational damage, loss of customer trust **Preventing cyber attacks** Passwords, biometrics, two-factor authentication, firewalls, antivirus software, software updates, user access levels **Security policies** Backup procedures, disaster recovery plans, training staff to work securely
Topic C: Responsible and Legal Use	**Responsible use of digital systems** Sharing data appropriately, privacy considerations, environmental impacts of technology **Legal and ethical issues** Data Protection legislation, copyright, intellectual property, acceptable Use Policies (AUPs), criminal use of computer systems, ownership of digital content
Topic D: Using notation to represent systems	**Flowcharts** **Data Flow Diagrams (DFDs)** **Information Flow Diagrams** **System Diagrams** Interpreting diagrams and explaining what they show

BTEC Digital IT



Exam structure and length:

- 1 paper, 1hr 30 mins, 60 marks.

Equipment:

- Pen
- Pencil
- Ruler

Revision materials:

- All pupils have been issued with 'Clear Revise' PG online revision booklet.

Computer Science



Mock Examination focus:

Paper 1

Unit	Content
Topic 1: Computational Thinking	Decomposition and abstraction; algorithms; flowcharts and pseudocode; variables, arrays and records; sequence, selection and iteration; sorting and searching; truth tables.
Topic 2: Data	Binary, denary and hexadecimal; data representation; ASCII; images and sound; file sizes; storage units; data compression.
Topic 3: Computers	CPU, RAM, fetch-decode-execute cycle; storage; embedded systems; operating systems; utility software; compilers and interpreters.
Topic 4: Networks	LANs, WANs, internet structure, protocols, TCP/IP, topologies, transmission rates and network security.
Topic 5: Issues and Impact	Environmental, ethical and legal issues; AI; intellectual property; malware and cybersecurity.

Paper 2

Unit	Content
Topic 6: Problem Solving with Programming	Program design, coding in Python, debugging, validation, authentication, file handling, data structures, functions and testing.

Exam structure and length:

- Paper 1 - Written examination covering Topics 1-5 - 1 hour 30 mins - 75 Marks 50% Weighting
- Paper 2 - Practical onscreen programming examination covering Topic 6 - 2 hours - 75 Marks - 50% Weighting

Equipment:

- Pen, ruler calculator.

Revision materials:

- All pupils have been issued with: Pearson Revise Edexcel GCSE Computer Science Revision Guide and Workbook