Canary Wharf
SECONDARY
PART OF UNIVERSITY SCHOOLS TRUST

Year 11 Revision Guide

Autumn Term



Nobody left behind. Nobody held back. Everybody loved.

Year 11 Revision Guide

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Revision Timetable Template (other online versions available)

Introduction

Dear Year 11 Students,

This booklet provides guidance on the contents of your upcoming Year 11 Pre-Public Examinations. These exams will test the progress you have made in your GCSE studies to date and the results provide invaluable feedback to teachers to prepare you towards your final examinations.

To help you achieve your best in the exams, your teachers have provided revision topic areas to guide you – you will find them all in this booklet, along with revision tips and a revision planner to help you plan revision wisely.

Your exam period will be held over the weeks of the 19th October – 11th November. There is a half term in the middle of the exam period, as there is in the final public exams. The exam timetable is being finalised and will be sent out to you in due course.

I encourage all students to utilise this guide to boost their confidence and enhance their understanding of the topics to be assessed. You may already feel prepared for the exams, in which case this guide will support your existing revision. If you feel less prepared, then this guide will provide you with a clear focus in order to be ready for your next set of exams. The most important thing is to ask for help if you need it, whether that is from friends, teachers, your tutor, your parents or us. We are committed to supporting you to reach your goals and will do all that we can to help you.

If you or your parents have any more questions about the pre-public or final examinations, then you should speak to your teacher or the relevant Head of Department. All of the staff at Canary Wharf Secondary want you to succeed and we wish you success in the forthcoming assessment period.

Ms F Findlay

Trust Director of School Improvement

Revision Plan

"Success is not final; failure is not fatal: it is the courage to continue that counts." – Winston Churchill.

Effective and efficient revision takes time to perfect (not just a quick read of your book the night before) so setting out a revision plan is essential.

A revision plan makes sure you give yourself enough time to cover everything and that you do not underload or overload yourself.

Revision should be carried out in blocks of roughly **45 minutes,** and you should factor in time for a break.

Step 1: Get a calendar – see template provided at end of booklet.
Step 2: Fill in other commitments e.g. football practice / social events / time for exercise.
Step 3: Break down subjects into topics – use the subject revision guide pages of this booklet.
Step 4: Decide upon the area/s that require the most attention, e.g. topics you find most difficult.
Step 5: Allocate topics to slots on the timetable, ensuring you get a good balance and don't do the whole of a topic in one session, spread it out over several sessions to space out (chunk) your learning.

Step 6: Position topics you are likely to find challenging when you know you tend to **work best** in the day.

Step 7: Decide what you are going to do in each session – *e.g. make 2 mind maps, quiz myself on them and then write 5 exam questions and answer them.*

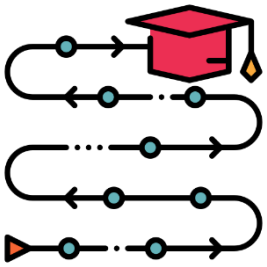
Step 8: Focus on what you have achieved not the time you have spent on it.

Step 9: Tick off a session when you have completed it well to help with motivation.

Reading notes or highlighting exercise books has been shown to have little impact on learning.

Revision strategies need to be as active as possible to challenge the brain to remember and apply knowledge.

Create revision resources (mind maps, flashcards, quizzes etc) with the relevant information for the topic you are looking at. Remember that creating the resources is the first step and should not take all of your time.



Revision Ideas

Active revision comes from using your resources. Examples of how to do this are below:

- ✓ Testing yourself – hide the resource away, can you remember all the information on the resource?
- ✓ Get others to test you
- ✓ Give the resource to a family member or friend and ask them to ask you questions relating to the information.
- ✓ Take turns with a friend to describe key terms from the resources

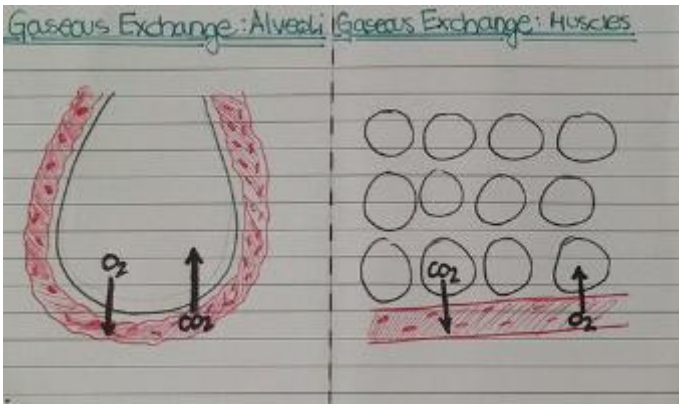


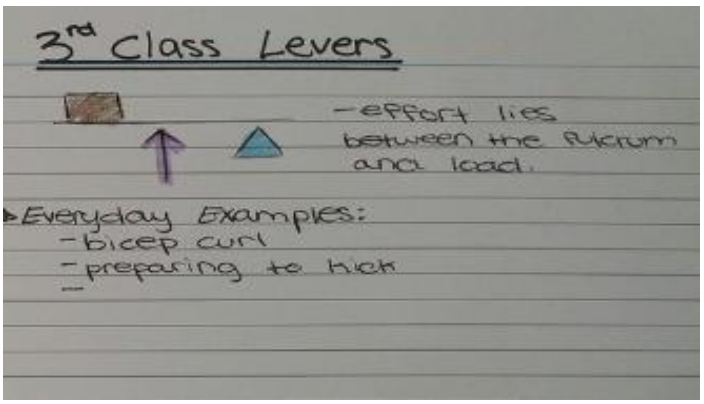
1. Flash Cards

Flash/cue cards are an effective and simple revision method. They can be created electronically on apps or simply by cutting up card to make your own. Examples of how to use them include:

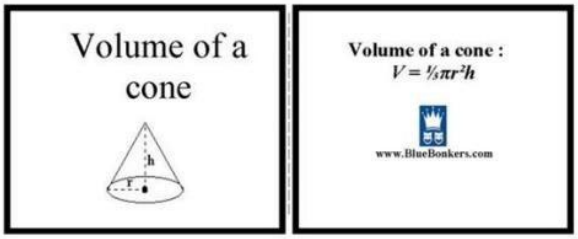
- **Key words and definitions:** Put the key word on one side and the definition on the other
- **Equations:** Put the equation on one side and description on the other e.g. Pythagoras theorem
- **Topics and key dates / Names of people and quotes**

You can use flashcards anywhere and make use of time on the bus or when you are travelling. They are great to use as a group with friends or family testing each other. It is really important to use them regularly and not just once. See example on the next page.



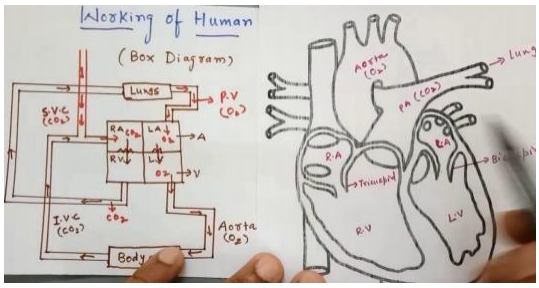


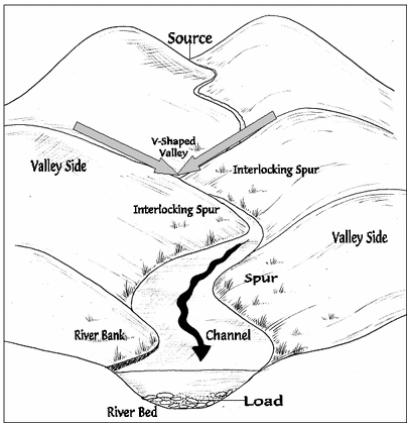
Revision Ideas



2. Diagrams:

Creating a visual diagram for key facts, ideas or larger chunks of knowledge is an effective way of making knowledge stick in your brain. For example, using diagrams to help identify structures in Biology or land features in Geography:

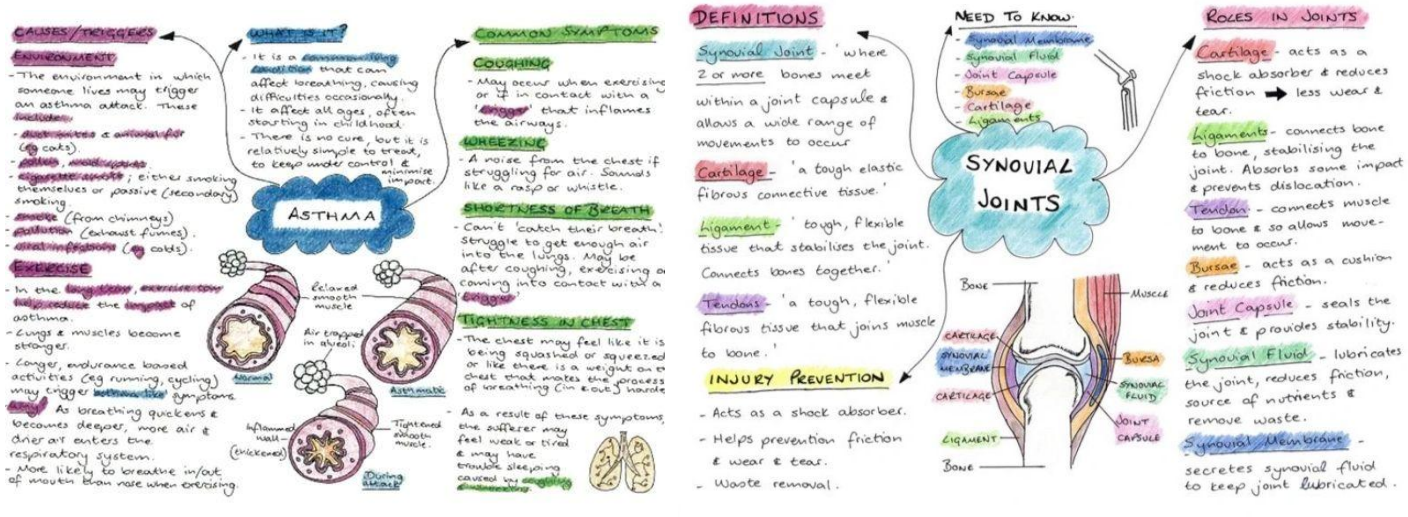




3. Spider Diagrams:

Before you begin revising a topic, you might like to test yourself and see what you know first. This will help to show you how competent you are in a particular area; to see exactly what you need to revise and how much time you should be spending on it.

Once you have divided your revision up into manageable sections and allocated time to each part, devote five minutes at the start of each study session to creating a diagram detailing all that you can recall about that area of knowledge. Write the title of the section in the middle of your paper and draw a ring around it. This can be added to as you revise. See examples on the next page.



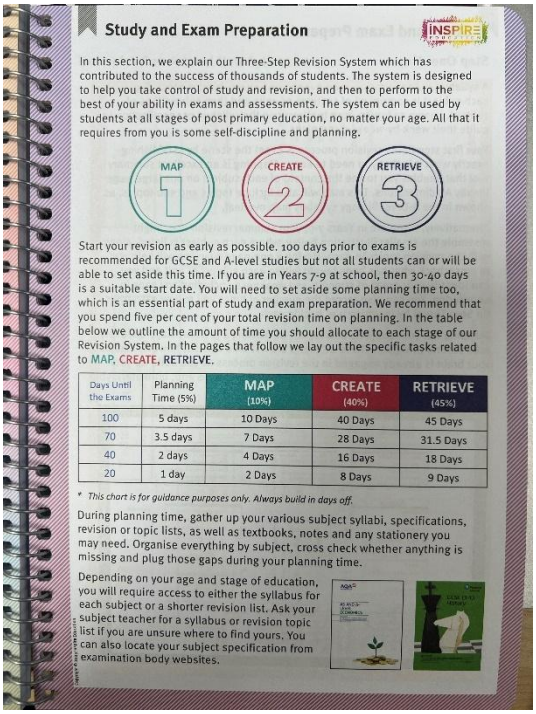
Revision Ideas

Divide the large section into smaller sub-sections by writing sub-headings around the main word. Use these words as the foundations from which to build your own thoughts around. Recalling certain factsand arguments will lead you to other connected information and ideas. Once you have written all that you can, take a look at your revision guide, class notes or textbook and try to establish what has beenleft out.

After refreshing your mind on the information you were already familiar with, your revision session should be centred on filling gaps in your knowledge.

Further revision tips are provided in your Pupil Planners (coloured page sections in the middle).





Art & Design:

(Fine Art, Photography & 3-D Design)

Subject:	Art & Design: Fine Art/ Photography/3-D Design
Exam Board:	AQA
Details of mock exam:	
Paper Title:	
Type of Assessment:	Practical Exam
Duration:	10 hours (Two 5-hour days)
Topics to be covered in the mock:	Students should be spending a minimum of 1.30 hours every week completing sketchbook related work at home to prepare for the mock exam. This can take the form of artist research and analysis, documenting samples/experiments/ design development, refining personal responses. Students will have feedback from subject teachers on developing their work further. The mock will cover the 4 Assessment Objectives and students should be working on their own personal projects and preparing to use the practical exam time to make their final outcome. The four Assessment Objects students need to evidence of are: AO1 Develop ideas through investigations, demonstrating critical understanding of sources. *Carry out research into different artists and designers, explain what you like about their work, explain how it inspires you. In addition to research and analysis consider completing a transcription and personal response to the artist's work.* AO2 Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. *Experiment with different techniques and processes, from this, start to develop your design ideas and refine them. You should explain what you are doing, what works, what doesn't work, what ideas would you keep and why.* AO3 Record ideas, observations and insights relevant to intentions as work progresses *Make sure all of your ideas are recorded, you have written down all of your thought processes, everything in your sketchbook should be analysed and explained. All of your work should link together and should link back to the theme. You must explain how it all links together as you work.* AO4 Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language. *Your final outcome should be the result of all of your sketchbook work. It should link closely to all of the work in your sketchbook. It should show your skills and should utilise the best techniques that you have experimented with.*

Art & Design:

(Fine Art, Photography & 3-D Design)

Materials to support your revision:	
Link to Online Resources:	https://thephotographersgallery.org.uk/ https://www.tate.org.uk/visit/tate-modern https://designmuseum.org/
Links to example Grade 9 sketchbooks examples.	Fine Art: https://www.youtube.com/watch?v=YzRd9qC0uRA https://www.youtube.com/watch?v=F7sqSfgrTsQ Photography: https://www.youtube.com/watch?v=SUSRI3PwGE4 https://www.youtube.com/watch?v=IlFooxRYH18 3-D Design: https://www.youtube.com/watch?v=GhwLfpdzVcg https://www.youtube.com/watch?v=rtZI4s7TSKo

Biology (Combined)

Subject:	Biology
Exam Board:	AQA
Tier (if applicable):	Combined
Details of mock exam:	
Paper Title:	Paper 1
Type of Assessment:	Formal Exam
Duration:	1hr 15mins
Topics to be covered in the Mock:	All of paper 1 *Topic 1 –* ***Cell Biology*** **Cell Structure** • Eukaryotes and Prokaryotes • Animal and plant cells • Cell specialisation • Cell differentiation • Microscopy **Cell division** • Chromosomes • Mitosis and the cell cycle • Stem cells **Transport in Cells** • Diffusion • Osmosis • Active Transport *Topic 2 –* ***Organisation*** • Principles of organisation **Animal tissues, organs and organ systems** • The human digestive system • The heart and blood vessels • Blood • Coronary heart disease: a non-communicable disease • Health issues • The effect of lifestyle on some non-communicable diseases • Cancer **Plant tissues, organs and systems** • Plant tissues • Plant organ system *Topic 3 – Infection and Response* **Communicable diseases** • Communicable (infectious) diseases • Viral diseases • Bacterial diseases • Fungal diseases • Protist diseases • Human defense systems • Vaccination • Antibiotics and painkillers • Discovery and development of drugs

Topic 5 - Bioenergetics

Photosynthesis

- Photosynthetic reaction
- Rate of photosynthesis
- Uses of glucose from photosynthesis

Respiration

- Aerobic and anaerobic respiration
- Response to exercise
- Metabolism

Required Practical

Required practical activity 1: use a light microscope to observe, draw and label a selection of plant and animal cells. A magnification scale must be included.

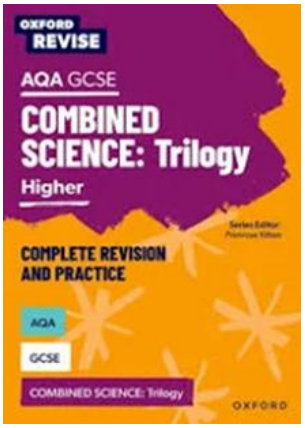
Required practical activity 2: investigate the effect of a range of concentrations of salt or sugar solutions on the mass of plant tissue.

Required practical activity 3: use qualitative reagents to test for a range of carbohydrates, lipids and proteins.
To include Benedict's test for sugars; iodine test for starch; and Biuret reagent for protein.

Required practical activity 4: investigate the effect of pH on the rate of reaction of amylase enzyme.

Required practical activity 5: investigate the effect of light intensity on the rate of photosynthesis using an aquatic organism such as pondweed.

Biology (Combined)

Materials to support your revision:	
Link to Online Resources:	https://www.my-gcsescience.com/ This platform has revision resources and practice questions that cover the whole science GCSE. Students log in using the same username as to log in to a school computer the password is CWC. https://app.century.tech/learn/my-path This platform provides personalised learning experience that help students grasp complex scientific concepts allowing students to progress at their own pace. https://www.cognitoedu.org/home Clear and accessible revision resources for students to support students as they prepare for their science GCSE https://www.bbc.co.uk/bitesize/examspecs/z8r997h
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Recommended revision guides (if applicable):	Oxford Revise: AQA GCSE Combined Science: Trilogy Revision and Exam Practice: Higher 

Biology (Triple)

Subject:	Biology
Exam Board:	AQA
Tier (if applicable):	Triple
Details of mock exam:	
Paper Title:	Paper 1
Type of Assessment:	Formal Exam
Duration:	1hr 45mins
Topics to be covered in the Mock:	All of paper 1 *Topic 1 –* ***Cell Biology*** **Cell Structure** • Eukaryotes and Prokaryotes • Animal and plant cells • Cell specialisation • Cell differentiation • Microscopy • Culturing microorganisms (biology only) **Cell division** • Chromosomes • Mitosis and the cell cycle • Stem cells **Transport in Cells** • Diffusion • Osmosis • Active Transport *Topic 2 –* ***Organisation*** • Principles of organisation **Animal tissues, organs and organ systems** • The human digestive system • The heart and blood vessels • Blood • Coronary heart disease: a non-communicable disease • Health issues • The effect of lifestyle on some non-communicable diseases • Cancer **Plant tissues, organs and systems** • Plant tissues • Plant organ system *Topic 3 – Infection and Response* **Communicable diseases** • Communicable (infectious) diseases • Viral diseases • Bacterial diseases • Fungal diseases • Protist diseases • Human defense systems • Vaccination • Antibiotics and painkillers • Discovery and development of drugs **Monoclonal antibodies (biology only) (HT only)** • Producing monoclonal antibodies

- Uses of monoclonal antibodies

Plant disease (biology only)

- Detection and identification of plant diseases
- Plant defense responses

Topic 5 - Bioenergetics

Photosynthesis

- Photosynthetic reaction
- Rate of photosynthesis
- Uses of glucose from photosynthesis

Respiration

- Aerobic and anaerobic respiration
- Response to exercise
- Metabolism

Required Practical

Required practical activity 1: use a light microscope to observe, draw and label a selection of plant and animal cells. A magnification scale must be included.

Required practical activity 2: investigate the effect of antiseptics or antibiotics on bacterial growth using agar plates and measuring zones of inhibition.

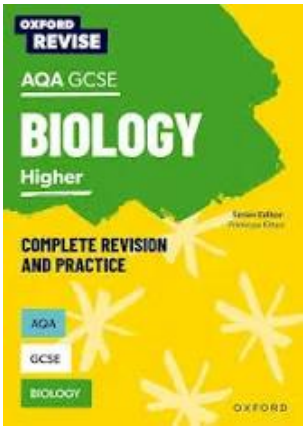
Required practical activity 3: investigate the effect of a range of concentrations of salt or sugar solutions on the mass of plant tissue.

Required practical activity 4: use qualitative reagents to test for a range of carbohydrates, lipids and proteins.
To include Benedict's test for sugars; iodine test for starch; and Biuret reagent for protein.

Required practical activity 5: investigate the effect of pH on the rate of reaction of amylase enzyme.

Required practical activity 6: investigate the effect of light intensity on the rate of photosynthesis using an aquatic organism such as pondweed.

Biology (Triple)

Materials to support your revision:	
Link to Online Resources:	https://www.my-gcsescience.com/ This platform has revision resources and practice questions that cover the whole science GCSE. Students log in using the same username as to log in to a school computer the password is CWC. https://app.century.tech/learn/my-path This platform provides personalised learning experience that help students grasp complex scientific concepts allowing students to progress at their own pace. https://www.cognitoedu.org/home Clear and accessible revision resources for students to support students as they prepare for their science GCSE https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Recommended revision guides (if applicable):	Oxford Revise: AQA GCSE Biology Revision and Exam Practice: Higher 

Chemistry (Combined)

Subject:	Chemistry
Exam Board:	AQA
Tier (if applicable):	Combined
Details of mock exam:	
Paper Title:	Paper 1
Type of Assessment:	Formal Exam
Duration:	1hr 15mins
Topics to be covered in the Mock:	All of paper 1 *Topic 1 –* ***Atomic Structure and the Periodic Table*** **Atoms, elements and compounds** • Mixtures • The development of the model of the atom • Relative electrical charges of subatomic particles • Size and mass of atoms • Relative atomic mass • Electronic structure **The Periodic Table** • Development of the periodic table • Metals and non-metals • Group 0 • Group 1 • Group 7 *Topic 2 –* ***Structure, Bonding and the properties of matter*** • The three states of matter • State symbols **Chemical bonds** • Ionic Bonding • Ionic compounds • Properties of ionic compounds • Covalent Bonding • Properties of small molecules • Giant covalent structures • Polymers **Structure and bonding of carbon** • Diamond • Graphite • Graphene and fullerenes • Metallic Bonding • Properties of metals and alloys • Metals as conductors *Topic 3 - Quantitative Chemistry* **Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations** • Conservation of mass and balanced chemical equations • Relative formula mass • Mass changes when a reactant or product is a gas • Chemical measurements **Use of amount of substance in relation to masses of pure substances** • Moles (HT only) • Amounts of substances in equations (HT only) • Using moles to balance equations (HT only) • Limiting reactants (HT only)

- Concentration of solutions

Topic 5 - Chemical Changes

Reactivity of metals
- Metal Oxides
- The reactivity series
- Extraction of metals and reduction
- Oxidation and reduction in terms of electrons (HT only)

Reactions of acids
- Reactions of acids with metals
- Neutralisation of acids and salt production
- Soluble salts
- The pH scale and neutralization
- Strong and weak acids (HT only)

Electrolysis
- The process of electrolysis
- Electrolysis of molten ionic compounds
- Using electrolysis to extract metals
- Electrolysis of aqueous solutions
- Representation of reactions at electrodes as half equations (HT only)

Topic 6 – Energy Changes

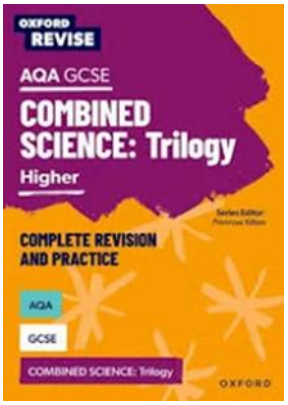
Exothermic and Endothermic Reaction
- Energy transfer during exothermic and endothermic reactions
- Reaction profiles
- The energy change of reactions (HT only)

Required Practical

Required practical activity 9: investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation involving developing a hypothesis.

Required practical activity 10: investigate the variables that affect temperature changes in reacting solutions such as, e.g. acid plus metals, acid plus carbonates, neutralisations, displacement of metals.

Chemistry (Combined)

Materials to support your revision:	
Link to Online Resources:	https://www.my-gcsescience.com/ This platform has revision resources and practice questions that cover the whole science GCSE. Students log in using the same username as to log in to a school computer the password is CWC. https://app.century.tech/learn/my-path This platform provides personalised learning experience that help students grasp complex scientific concepts allowing students to progress at their own pace. https://www.cognitoedu.org/home Clear and accessible revision resources for students to support students as they prepare for their science GCSE exams. https://www.bbc.co.uk/bitesize/subjects/zp266yc
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Recommended revision guides (if applicable):	Oxford Revise: AQA GCSE Combined Science: Trilogy Revision and Exam Practice: Higher 

Chemistry (Triple)

Subject:	Chemistry
Exam Board:	AQA
Tier (if applicable):	Triple
Details of mock exam:	
Paper Title:	Paper 1
Type of Assessment:	Formal Exam
Duration:	1hr 45mins
Topics to be covered in the mock:	All of paper 1 *Topic 1 –* ***Atomic Structure and the Periodic Table*** **Atoms, elements and compounds** • Mixtures • The development of the model of the atom • Relative electrical charges of subatomic particles • Size and mass of atoms • Relative atomic mass • Electronic structure **The Periodic Table** • Development of the periodic table • Metals and non-metals • Group 0 • Group 1 • Group 7 • Properties of transition metals (chemistry only) • Comparison with Group 1 elements *Topic 2 –* ***Structure, Bonding and the properties of matter*** • The three states of matter • State symbols **Chemical bonds** • Ionic Bonding • Ionic compounds • Properties of ionic compounds • Covalent Bonding • Properties of small molecules • Giant covalent structures • Polymers **Structure and bonding of carbon** • Diamond • Graphite • Graphene and fullerenes • Metallic Bonding • Properties of metals and alloys • Metals as conductors **Bulk and surface properties of matter including nanoparticles (chemistry only)** • Sizes of particles and their properties • Uses of nanoparticles *Topic 3 - Quantitative Chemistry* **Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations** • Conservation of mass and balanced chemical equations • Relative formula mass

- Mass changes when a reactant or product is a gas
- Chemical measurements

Use of amount of substance in relation to masses of pure substances

- Moles (HT only)
- Amounts of substances in equations (HT only)
- Using moles to balance equations (HT only)
- Limiting reactants (HT only)
- Concentration of solutions

Yield and atom economy of chemical reactions (chemistry only)

- Percentage yield
- Atom economy

Using concentrations of solutions in mol/dm^3 (chemistry only) (HT only)

Use of amount of substance in relation to volumes of gases (chemistry only) (HT only)

Topic 5 - Chemical Changes

Reactivity of metals

- Metal Oxides
- The reactivity series
- Extraction of metals and reduction
- Oxidation and reduction in terms of electrons (HT only)

Reactions of acids

- Reactions of acids with metals
- Neutralisation of acids and salt production
- Soluble salts
- The pH scale and neutralization
- Titrations (Chemistry only)
- Strong and weak acids (HT only)

Electrolysis

- The process of electrolysis
- Electrolysis of molten ionic compounds
- Using electrolysis to extract metals
- Electrolysis of aqueous solutions
- Representation of reactions at electrodes as half equations (HT only)

Topic 6– Energy Changes

Exothermic and Endothermic Reaction

- Energy transfer during exothermic and endothermic reactions
- Reaction profiles
- The energy change of reactions (HT only)

Chemical cells and fuel cells (Chemistry only)

- Cells and batteries
- Fuel cells

Required Practical

- **Required practical 1:** Preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate using a Bunsen burner to heat dilute acid and a water bath or electric heater to evaporate the solution.
- **Required practical 2:** (Chemistry only) Determination of the reacting volumes of solutions of a strong acid and a strong alkali by titration. (HT only) determination of the concentration of one of the solutions in mol/dm3 and g/dm3 from the reacting volumes and the known concentration of the other solution.
- **Required practical 3:** Investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation involving developing a hypothesis.

Chemistry (Triple)

Materials to support your revision:	
Link to Online Resources:	https://www.my-gcsescience.com/ This platform has revision resources and practice questions that cover the whole science GCSE. Students log in using the same username as to log in to a school computer the password is CWC. https://app.century.tech/learn/my-path This platform provides personalised learning experience that help students grasp complex scientific concepts allowing students to progress at their own pace Clear and accessible revision resources for students to support students as they prepare for their science GCSE exams. https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/science/gcse/chemistry - 8462/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/science/gcse/chemistry - 8462/assessment-resources
Recommended revision guides (if applicable):	Oxford Revise: AQA GCSE Chemistry Revision and Exam Practice: Higher

Citizenship

Subject:	Citizenship
Exam Board:	Edexcel
Details of mock exam:	
Paper Title:	Paper 2
Type of Assessment:	Formal Exam
Duration:	1hr 45mins
Topics to be covered in the mock:	All of Paper 2 ***Topic 1 - Active Citizenship:*** • Understanding what it means to be an active citizen. • Roles of individuals in the community. • Volunteering and its impact on society. • How to plan and carry out a citizenship action project ***Topic 2 - Global Citizenship:*** • Global Citizenship • International issues such as Poverty, Inequality, and Climate change. • The impact of Global decisions on Local Communities ***Topic 3 - Rights and Responsibilities:*** • Human rights • Responsibilities and Rights in the UK ***Topic 4 - Participation and Engagement:*** • Local and Global issues. • Political participation

Materials to support your revision:	
Link to Online Resources:	https://www.pearsonschoolsandfecolleges.co.uk/secondary/subjects/re-and-citizenship/revise-edexcel-gcse-9-1-citizenship/revise-pearson-edexcel-gcse-9-1-citizenship-studies-revision-guide-workbook
Link to exemplar questions or past papers to use:	https://www.savemyexams.com/gcse/citizenship-studies/edexcel/past-papers/
Link to model answers or mark schemes:	https://www.savemyexams.com/gcse/citizenship-studies/edexcel/past-papers/
For essay subjects and longer answer questions – suggested question titles for practice:	**The Role of the Media:** Discuss the impact of the media on public opinion and political decision-making. **Active Citizenship**: Evaluate the importance of active citizenship in a democratic society.? How does it apply to contemporary issues in the UK and around the

	world? **The Electoral System:** Compare and contrast the first past-the-post electoral system with proportional representation. **Global Citizenship**: what ways can individuals contribute to global issues such as climate change, poverty, and inequality.

Computer Science

Subject:	Computer Science
Exam Board:	AQA
Details of mock exam:	
Paper Title:	Paper 1B: Computational thinking and programming skills (8525) Paper 2: Computing concepts
Type of Assessment:	Written
Duration:	Paper 1 (2 hours) – In Hall Paper 2 (1 hr 30 minutes) – In-class
Topics to be covered in the mock:	***Paper 1:*** • 3.1 Fundamentals of algorithms • 3.2 Programming ***Paper 2:*** • 3.3 Fundamentals of data representation • 3.4 Computer systems • 3.5 Fundamentals of computer networks • 3.6 Cyber security

Materials to support your revision:	
Link to Online Resources:	- Seneca Learning: 🚀 Free AQA Computer Science GCSE Revision | Seneca (senecalearning.com)
Link to exemplar questions or past papers to use:	**Paper 1B:** Question paper: Paper 1B Computational thinking and programming skills (Python) - June 2023 (sanity.io) **Paper 2:** Question paper: Paper 2 Computing concepts - June 2023 (sanity.io)
Link to model answers or mark schemes:	**Paper 1:** Mark scheme: Paper 1 Computational thinking and programming skills - Sample set 1 (sanity.io) **Paper 2:** Mark scheme: Paper 2 Computing concepts - June 2023 (sanity.io)
Recommended revision guides (if applicable):	Paper 2 printed copies have been handed to students. **Additional revision guides:** GCSE Computer Science AQA Exam Practice Workbook includes answers

English (Language & Literature)

Subject:	English
Exam Board:	AQA
Details of mock exam:	
Paper Title:	Literature Paper 2 + Language Paper 1
Type of Assessment:	Formal Exam
Duration:	English Language Paper 1 - 1 hour 45 mins English Literature Paper 2 – 1 hours 45 mins (minus Unseen Poetry)
Topics to be covered in the mock:	**Literature Paper 2** 1. *Power and Conflict Poetry* • 3-4 quotes learned from all poems in the anthology • Shared themes and connections between poems (Man V Man, Man v Nature, Man V Himself) • Poetic techniques for language and structure • How to structure an essay – Thesis statement, two language and one structure paragraphs, conclusion. • Unseen poetry – comparative essay structure 2. *Context* • *Key characteristics of Romanticism and the Enlightenment* • *Patriotism and the futility of war* • *Time and memory* • *Power versus Control* • *Context revised for each poet (WHAT factors influenced their writing, HOW this appears in their poetry, WHY they wrote)* *3. An Inspector Calls* • Aim at learning 15 quotations from across the text that cover character and theme • Shared themes and contextual connections • Specific techniques for language, structure and the play • How to structure an essay – Thesis statement, three big ideas including context paragraphs, conclusion • *Context* • *Key characteristics of the Well-Made Play* • *Socialist and Capitalism* • *Power versus Control* • *Context revised for each theme (WHAT factors influenced the writing, HOW this appears in the play, WHY Priestley wrote what he did)* **Language Paper 1** 1. Reading (40 marks) • *Question focus for Q1-4 (Q1. Four true statements, Q2. Language (8marks), Q.3 structure (8marks), Q. 4 personal response)* • *Identification and analysis of technique: language and structure* • Exam strategy (annotation, timing, review mark scheme and model answers to identify Level 3-4 requirements) 2. Writing • Understanding the requirements of Ao5 and Ao6 • Ao5 – Content (Descriptive vs narrative, vary language techniques to create tension, high-level vocabulary, structure for effect (cyclical), tone and register)

English (Language & Literature)

	• Ao6 - Organisation (vary punctuation and sentence length for effect on pacing and impact on the reader)

Materials to support your revision:	
Link to Online Resources:	AQA GCSE English Section B: Power and Conflict Poetry Anthology - PMT (physicsandmathstutor.com) AQA GCSE English Spection A: An Inspector Calls - PMT (physicsandmathstutor.com)) Revision resource for Power and Conflict – comprehensive overview of each poem. Use as a practice writing resource to help you to develop your written answers. Revision resources for *An Inspector Calls* including key aspects of context https://www.bbc.co.uk/bitesize/topics/zqxc7hv AQA English Revision - Lang Paper 1 Excellent and accessible overview for answering all questions on Language paper 1 AQA An Inspector Calls Revision
Link to exemplar questions or past papers to use:	Answers and commentary: Paper 1 and Paper 2 - Sample set 1 (aqa.org.uk)
Link to model answers or mark schemes:	AQA | English | GCSE | GCSE English Language
Recommended revision guides (if applicable):	Oxford Revise: AQA English Language by Jennifer Webb Power and Conflict: GCSE Revision Guide and Practice Book for AQA English Literature with free app (GCSE Grades 9-1 Study Guides) by Durant and Torn
For essay subjects and longer answer questions – suggested question titles for practice:	Power and Conflict: Power and Conflict Poetry Anthology - Practice Questions - 'Power and Conflict' Poetry Anthology - Studocu Essay question packs and *An Inspector Calls* revision guide will be available on Aubor. Ms McGruther made this available from 21/09/26, it is available for all Year 11 students up to the day of the mocks.

Geography

Subject:	Geography
Exam Board:	AQA
Details of mock exam:	
Paper Title:	Paper 1: Living with the Physical Environment Paper 2: Challenges in the human environment Paper 3: Geographical applications (to be sat in class)
Type of Assessment:	Formal Exam
Duration:	P1+2 combined 1hr 30mins P3 (in class) 1hr 30mins

Topics to be covered in the mock:	*Numbers refer to chapters in the textbook*
	Paper 1: Living with the Physical Environment
	1. Natural Hazards
	2. Tectonic hazards
	3. Weather hazards
	9. UK Landscapes
	10. Coastal landscapes
	
	Paper 2: Challenges in the human environment
	13. The urban world (including London)
	15. Sustainable urban living
	16. The Development Gap
	17. Nigeria: NEE
	18. The Changing UK economy
	
	Paper 3: Geographical applications (to be sat in class)
	• Pre-release- given out w/c 06.10.25
	• Fieldwork:
	  ○ Unseen fieldwork
	  ○ Own fieldwork

Materials to support your revision:	
Link to Online Resources:	- Century Tech - Seneca Learning - GCSE Pod - Internet Geography - Kerboodle
Link to exemplar questions or past papers	https://www.aqa.org.uk/subjects/geography/gcse/geography-8035/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/geography/gcse/geography-8035/assessment-resources https://cwccrossharbour.instructure.com/courses/781/pages/geography-revision-resources
Recommended revision guides	https://cwccrossharbour.instructure.com/courses/781/pages/geography-revision-resources Revision guide (provided last year) https://www.internetgeography.net/gcse-geography-revision/

History

Subject:	History
Exam Board:	Edexcel
Details of mock exam:	
Paper Title:	Option 31: Weimar and Nazi Germany, 1918–39
Type of Assessment:	Formal
Duration:	1h30mins
Topics to be covered in the mock:	**Option 31: Weimar and Nazi Germany, 1918–39** **Key Topic 1: The Weimar Republic, 1918–29** • **The origins of the Republic, 1918–19** ○ The situation in Germany at the end of the War: political unrest, abdication of the Kaiser, armistice, and new republic. ○ The strengths and weaknesses of the new Weimar Constitution. • **The early challenges to the Weimar Republic, 1919–23** ○ Reasons for the early unpopularity of the Republic, including the 'stab in the back' theory and the key terms of the Treaty of Versailles. ○ Challenges to the Republic from Left and Right: Spartacists, Freikorps, the Kapp Putsch. ○ The challenges of 1923: hyperinflation; the reasons for, and effects of, the French occupation of the Ruhr. • **The 'Golden Years': recovery of the Republic, 1924–29** ○ Reasons for economic recovery, including the work of Stresemann, the Rentenmark, the Dawes and Young Plans, and American loans and investment. ○ Stresemann's achievements in gaining international acceptance of Germany abroad through the Locarno Pact and joining the League of Nations. • **Changes in society, 1924–29** ○ Changes in the standard of living. ○ Changes in the position of women in work, politics, and leisure. ○ Cultural changes: developments in architecture, art, and the cinema. • **Key Topic 2: Hitler's rise to power, 1919–33** • **Early development of the Nazi Party, 1920–22** ○ Hitler's early career: joining the German Workers' Party and setting up the Nazi Party, 1919–20. ○ The Twenty-Five Point Programme. The role of the SA. • **The Munich Putsch and the Nazi Party, 1923–28** ○ The reasons for, events, and consequences of the Munich Putsch; Mein Kampf. ○ Reasons for limited support for the Nazi Party, 1924–28. Party reorganisation, including the Bamberg Conference of 1926. • **The growth in support for the Nazis, 1929–32**

	○ The growth of unemployment – its causes and impact. The growth of support for the Communist Party. ○ Reasons for the growth in support for the Nazi Party, including the appeal of Hitler and the Nazis, the effects of propaganda, and the work of the SA. • **How Hitler became Chancellor, 1932–33** ○ The Presidential and Reichstag elections of 1932; reasons for Hitler becoming Chancellor in 1933, including the roles of Hindenburg and von Papen. • **Key Topic 3: Nazi control and dictatorship, 1933–39** • **The creation of a dictatorship, 1933–34** ○ The Reichstag Fire and the Enabling Act. ○ The Night of the Long Knives. ○ The death of Hindenburg and Hitler becoming Führer. • **The police state** ○ The role of the SS, Gestapo, and the role of Himmler. ○ The use of concentration camps. • **The treatment of Jews and other groups** ○ The Nuremberg Laws. ○ Kristallnacht. ○ The persecution of other groups: political opponents, disabled people, Romani people, and homosexuals. • **Nazi control of the economy and employment** ○ The role of the Labour Front. ○ The Strength Through Joy programme. ○ Rearmament and its impact on employment. • **Life in Nazi Germany** ○ The role of education and the Hitler Youth. ○ The role of women in Nazi society. ○ The role of propaganda and censorship
Link to exemplar questions or past papers	Edexcel GCSE History Past Papers | Revision World

Information Technology

Subject:	ICT- Digital Information Technology
Exam Board:	Edexcel
Tier (if applicable):	Level 2
Details of mock exam:	
Paper Title:	Component 2- Collecting, presenting and interpreting data
Type of Assessment:	Formal Coursework
Duration:	6 hours (over 3 lessons)
Topics to be covered in the mock:	**Task 1-** Understand how data is collected and used by organisations and its impact on individuals (Report) **Task 2-** Be able to create a dashboard using data manipulation tools (Excel) **Task 3-** Be able draw conclusions and review data presentation methods
Link to Online Resources:	Know it all Ninja 1 Understanding the brief for C2 Learning Aim B (youtube.com)
Link to exemplar questions or past papers to use:	Autumn 1-Component 2 Practice: Y11 teams
Link to model answers or mark schemes:	Autumn 1-Component 2 Practice: Y11 teams

Mathematics (Foundation)

Subject:	Y11 Mathematics
Exam Board:	Edexcel
Tier (if applicable):	Foundation
Details of mock exam:	
Paper Title:	Paper 1 & 2
Type of Assessment:	Paper 1 (non-calculator), 2 (calculator)
Duration:	90 minutes each paper

Topics to be covered in Paper 1 of the Mocks Non-calculator

Foundation Paper 1 Revision Topics

1	Simple percentage problem
2	Scale drawing
3	Multiplying and dividing three-digit and two-digit numbers
4	Function machines
5	Evaluating square roots
6	Multiples
7	Fractions of amounts
8	Converting fractions to decimals
9	Putting events on a probability line
10	Money problem
11	Parts of circles and quadrilaterals
12	Stem and leaf diagrams
13	Recipe problems
14	Representing data
15	Adding and multiplying fractions
16	Solving simple equations including with brackets
17	Simple simultaneous equations
18	Bearings
19	Scatter diagrams
20	Real-life graphs
21	Expanding and Simplifying, Factorising
22	Evaluating simple powers
23	Speed / Distance / Time
24	Equation of a line
25	Using exact trig values in a right-angled triangle
26	Area, Ratio and Money in Real Life Situation
27	Area of sector in terms of pi
28	Combining ratios

NOTE: Your teacher may not be able to revise all the topics with you, so it is important you use this topic list together with some of the websites listed above to help your independent learning

Topics to be covered in Paper 2 of the Mock

Calculator

Foundation Paper 2 Revision Topics

No	Topic
1	Ratio and Proportion
2	Problem Solving with money
3	Ordering numbers
4	Fractions, Decimals, and Percentages
5	Substitution and solving equations
6	Angle properties of straight lines and triangles
7	Area and Perimeter
8	Interpret Pie Charts
9	Round to the nearest 10
10	Conversion of units
11	Find the next term of a sequence and nth term
12	Distance time graphs
13	Probability
14	Ratio and Proportion
15	Complete table, draw and use quadratic graphs
16	Ratio and Proportion
17	Percentages of amounts problem solving
18	Algebra and Ratio
19	Finding missing numbers given the Mean and Mode
20	Volume of compound prisms
21	Number and Accuracy
22	Compound Interest and depreciation
23	Venn Diagrams and Probability
24	Calculation in standard Form and Error Intervals

WEBSITES & Resoursces to support Revision

1. Maths Genie https://www.mathsgenie.co.uk/ free videos and graded exam style questions
2. Corbettmaths https://corbettmaths.com/2023/08/01/gcse-revision/ free videos and lots of practice exam questions
3. 1st Class Maths https://www.1stclassmaths.com/edexcelrevision
4. Hannakettlemaths https://www.hannahkettlemaths.co.uk/ - revision, half papers, etc
5. Onmaths https://www.onmaths.com/edexcel-maths-gcse/ check revision grade

	6. BBC Bitesize https://www.bbc.co.uk/bitesize/examspecs/z9p3mnb Exam practise and flashcards 7. Physics and Maths tutor https://www.physicsandmathstutor.com/maths-revision/ 8. DrAustinemaths - https://www.draustinmaths.com/

Mathematics (Higher)

Subject:	Y11 Mathematics
Exam Board:	Edexcel
Tier (if applicable):	Higher
Details of mock exam:	
Paper Title:	Paper 1 & 2
Type of Assessment:	Paper 1 (non-calculator), 2 (calculator)
Duration:	90 minutes each paper

Topics to be covered in Paper 1 of the mock:

Non-Calculator

Higher Paper 1 Revision Topics

1	Probability with ratio
2	More-complex Indices Problem
3	Area of sector in terms of pi
4	Equation of a line
5	Scatter diagrams
6	Real-life graphs
7	Area, Ratio and Money in Real Life Situation
8	Recurring decimals
9	Product rule for counting
10	Percentage profit
11	Stem and leaf diagrams
12	Column vectors
13	Combining Transformations
14	Transformation of graphs including trig graphs
15	Rationalising the denominator
16	Solving quadratic equations which involve manipulation
17	Advanced trigonometry
18	Algebraic fractions
19	Finding the turning point of a quadratic
20	Expanding and Simplifying, Factorising
21	Evaluating simple powers
22	Speed / Distance / Time
23	Congruence

NOTE: Your teacher may not be able to revise all the topics with you, so it is important you use this topic list together with some of the websites listed above to help your independent learning

Topics to be covered in Paper 2 of the mock:

Calculator

Paper 2 Revision Topics

1	Calculation in standard Form and Error Intervals
2	Compound Interest and depreciation
3	Negative enlargement
4	Algebraic Proofs
5	Sharing into a given ratio with overlap
6	Complete table of values, draw and use quadratic graphs
7	Trigonometry - SOH CAH TOA
8	Calculations with Box plot
9	Showing an inequality on a number line
10	Perimeter of a Composite Shape
11	Using Calculator and rounding
12	Find reciprocal of a number
13	Matching graphs to its equations
14	Geometric Proofs - area of equilateral triangle, squares and ratio
15	Functions inverse and composite functions
16	Circle Theorems
17	Calculating bounds
18	Simultaneous Equations and ratio
19	Venn Diagrams
20	Tree diagrams without replacement and probabilities
21	Iterative Process

WEBSITES & Resoursces to support Revision

1. Maths Genie https://www.mathsgenie.co.uk/ free videos and graded exam style questions
2. Corbettmaths https://corbettmaths.com/2023/08/01/gcse-revision/ free videos and lots of practice exam questions
3. 1st Class Maths https://www.1stclassmaths.com/edexcelrevision
4. Hannakettlemaths https://www.hannahkettlemaths.co.uk/ - revision, half papers, etc
5. Onmaths https://www.onmaths.com/edexcel-maths-gcse/ check revision grade
6. BBC Bitesize https://www.bbc.co.uk/bitesize/examspecs/z9p3mnb Exam practise and flashcards
7. Physics and Maths tutor https://www.physicsandmathstutor.com/maths-revision/
8. DrAustinemaths - https://www.draustinmaths.com/

Music

Subject:	Music
Exam Board:	AQA
Details of mock exam:	
Paper Title:	Understanding Music
Type of Assessment:	Written paper ONLY ONE SECTION: Section A: Listening – unfamiliar music (68 marks)
Duration:	1 hr
Topics to be covered in the mock:	**Section A: Unfamiliar Music** Students must be able to listen attentively to unfamiliar music from the following styles/genres to identify and accurately describe musical elements, musical contexts and musical language. The focus for revision should be around describing music using the elements of music – please note that although we have not studied Aos3 and Aos4 in depth, students have covered all elements of music required to answer unfamiliar music questions. Students **must** ensure they are confident with terminology associated with: ***melody; harmony; tonality; structure/form; sonority/timbre; texture; tempo; metre; rhythm; dynamics; articulation.*** **Aos 1: Western classical tradition 1650–1910** a) The Coronation Anthems and Oratorios of Handel. b) The Orchestra Music of Haydn, Mozart and Beethoven. c) The piano music of Chopin and Schumann. d) The Requiem of the late Romantic period. **Aos2: Popular music** **a)** Music of Broadway 1950s to 1990s b) Rock music of 1960s and 1970s c) Film and computer gaming music 1990s to present d) Pop music 1990s to present **Aos3: Traditional music** a) Blues music from 1920 – 1950 b) Fusion music incorporating African and/or Caribbean music c) Contemporary Latin music d) Contemporary Folk music of the British Isles **Aos4: Western classical tradition since 1910** a) The orchestral music of Copland b) British music of Arnold, Britten, Maxwell-Davies and Tavener c) The orchestral music of Zoltán Kodály and Béla Bartók d) Minimalist music of John Adams, Steve Reich and Terry Riley. Please note that full details and examples can be found within the 'Understanding Music' section of the AQA GCSE Music Specification: https://www.aqa.org.uk/subjects/music/gcse/music-8271/specification/subject-content/understanding-music
Link to Online Resources:	Past Papers: https://www.savemyexams.com/gcse/music/aqa/?utm Revision Material: https://studyrocket.co.uk/revision/gcse-music-aqa?utm Flashcards/Quizzes: https://www.brainscape.com/subjects/gcse-music?utm BBC Bitesize: https://www.bbc.co.uk/bitesize/examspecs/zfwv7nb
Link to exemplar questions or past papers to use:	**-AQA GCSE Music Listening Tests (Rhinegold)** – printed copies of specific questions available **-AQA Sample Exam Paper** https://cdn.sanity.io/files/p28bar15/green/5ca5dc73cde0c17

	263cd56539a82b59ba7b0765e.pdf (Exam paper) https://cdn.sanity.io/files/p28bar15/green/1e27429125e75530f5245c63508cb73c323668c4.pdf (List of musical examples – find on Youtube/Spotify)
Link to model answers or mark schemes:	**AQA Sample Exam Paper:** https://cdn.sanity.io/files/p28bar15/green/9583f85bebcb8a5b207ec0e3635925fbb95fa385.pdf
Recommended revision guides (if applicable):	**CGP AQA GCSE Music for the Grade 9-1 Exams (CGP) –** all students should have a copy of this provided by school. **AQA GCSE Music Revision Guide Paperback (Rhinegold) ***please note that the study pieces have changed since this publication, but the guide is still helpful for general revision. **AQA GCSE Music Study Guide (Rhinegold) ***please note that the study pieces have changed since this publication, but the guide is still helpful for general revision.

*Please note that in addition to the 'Understanding Music' written paper, Section A, coursework completion will take place at the following times:

TBD – Solo Performance Recordings – *please ensure regular practice is undertaken on your instrument/voice in preparation for this recording worth 15% of your final grade.*

2nd December – Section B of the Written Paper

TBD – Composition Coursework ½ day – *please ensure that adequate preparation is completed around composing chords/melodies/bass lines/drum beats in advance, so that your completed piece can be submitted on this day – worth 15% of your final grade.*

2nd December; Written Paper Section B ONLY: Study pieces (28 marks)

Section B: Study Pieces.

Note the set works are:

Aos1: Beethoven: Symphony No. 1, Movement 1: Adagio Molto - Allegro Con Brio (first taught 2024, assessed 2026)

Aos2: Queen – the following three tracks:

a. *Bohemiam Rhapsody*
b. *The Seven Seas of Rhye*
c. *Love of my Life*

Students should be able to critically appraise the music from the specified **study pieces** using knowledge and understanding of:

- the effect of audience, time and place on how the study pieces were created, developed and performed
- how and why the music across the selected areas of study has changed over time
- how the composer's purpose and intention for the study pieces is reflected in their use of musical elements
- relevant musical vocabulary and terminology for the study pieces.

Physical Education

Subject:	Physical Education
Exam Board:	AQA
Details of mock exam:	
Paper Title:	Paper 1
Type of Assessment:	Formal Written
Duration:	1h 30 minutes
Topics to be covered in the mock:	Topic 1: Structure of a synovial joint Topic 2: Aerobic exercise and anaerobic exercise. Use of aerobic and anaerobic exercise Topic 3: Long-term effects of exercise Topic 4: First-, second- and third-class lever systems and mechanical advantage Topic 5: Analysis of basic movements. Topic 6: The components of fitness Topic 7: Measuring the components of fitness Topic 8: The principles of training and overload and their application. Topic 9: Types of training Topic 10: Seasonal aspects Topic 11 : Skill & Ability Topic 12: Goal setting Topic 13 : Guidance & feedback
Link to Online Resources:	https://theeverlearner.com/ - USE logins, this has all topics from the specification and tests specifically for AO1 and AO2 questions. https://www.bbc.co.uk/bitesize/examspecs/zp49cwx- - https://www.savemyexams.com/gcse/physical-education/aqa/16/revision-notes/?utm_source=chatgpt.com - this has all revision notes and past exam papers.
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/physical-education/gcse/physical-education-8582/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/physical-education/gcse/physical-education-8582/assessment-resources

Physics (Combined)

Subject:	Physics
Exam Board:	AQA
Tier (if applicable):	Combined
Details of mock exam:	
Paper Title:	Paper 1
Type of Assessment:	Formal Exam
Duration:	1hr 15mins
Topics to be covered in the mock:	All of paper 1 *Topic 1 – Energy* **Energy changes in a system, and the ways energy is stored before and after such changes** • Energy stores and systems • Changes in energy • Energy changes in systems • Power **Conservation and dissipation of energy** • Energy transfers in a system • Efficiency **National and global energy resources** *Topic 2 – Electricity* **Current, potential difference and resistance** • Standard circuit diagram symbols • Electrical charge and current • Current, resistance and potential difference • Resistors **Series and parallel circuits** **Domestic uses and safety** • Direct and alternating potential difference • Mains electricity **Energy Transfers** • Power • Energy transfers in everyday appliances **The National Grid** *Topic 3: Particle model of matter* **Changes of state and the particle model** • Density of materials • Changes of state **Internal energy and energy transfers** • Internal energy • Temperature changes in a system and specific heat capacity • Changes of state and specific latent heat **Particle model and pressure** • Particle motion in gases *Topic 4 – Atomic Structure*

Atoms and Isotopes

- The structure of an atom
- Mass number, atomic number, isotopes
- The development of the model of the atom

Atoms and Nuclear Radiation

- Radioactive decay and nuclear radiation
- Nuclear Equations
- Half-lives and the random nature of radioactive decay
- Radioactive contamination

Required Practical

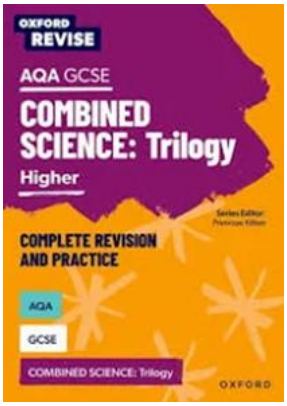
Required practical activity 14: An investigation to determine the specific heat capacity of one or more materials. The investigation will involve linking the decrease of one energy store (or work done) to the increase in temperature and subsequent increase in thermal energy stored.

Required practical activity 15: Use circuit diagrams to set up and check appropriate circuits to investigate the factors affecting the resistance of electrical circuits. This should include:
- the length of a wire at constant temperature
- combinations of resistors in series and parallel.

Required practical activity 16: Use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements, including a filament lamp, a diode and a resistor at constant temperature.

Required practical activity 17: Use appropriate apparatus to make and record the measurements needed to determine the densities of regular and irregular solid objects and liquids. Volume should be determined from the dimensions of regularly shaped objects, and by a displacement technique for irregularly shaped objects. Dimensions to be measured using appropriate apparatus such as a ruler, micrometer or Vernier callipers.

Physics (Combined)

Materials to support your revision:	
Link to Online Resources:	https://www.my-gcsescience.com/ This platform has revision resources and practice questions that cover the whole science GCSE. Students log in using the same username as to log in to a school computer the password is CWC. https://app.century.tech/learn/my-path This platform provides personalised learning experience that help students grasp complex scientific concepts allowing students to progress at their own pace. https://www.cognitoedu.org/home Clear and accessible revision resources for students to support students as they prepare for their science GCSE exams. https://www.bbc.co.uk/bitesize/subjects/zp266yc
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources 
Recommended revision guides (if applicable):	Oxford Revise: AQA GCSE Combined Science: Trilogy Revision and Exam Practice: Higher

Physics (Triple)

Subject:	Physics
Exam Board:	AQA
Tier (if applicable):	Triple
Details of mock exam:	
Paper Title:	Paper 1
Type of Assessment:	Formal Exam
Duration:	1hr 45mins
Topics to be covered in the mock:	All of paper 1 *Topic 1 - Energy* **Energy changes in a system, and the ways energy is stored before and after such changes** • Energy stores and systems • Changes in energy • Energy changes in systems • Power **Conservation and dissipation of energy** • Energy transfers in a system • Efficiency **National and global energy resources** *Topic 2 – Electricity* **Current, potential difference and resistance** • Standard circuit diagram symbols • Electrical charge and current • Current, resistance and potential difference • Resistors **Series and parallel circuits** **Domestic uses and safety** • Direct and alternating potential difference • Mains electricity **Energy Transfers** • Power • Energy transfers in everyday appliances **The National Grid** **Static Electricity (Physics only)** • Static Charge • Electric Fields *Topic 3: Particle model of matter* **Changes of state and the particle model** • Density of materials • Changes of state **Internal energy and energy transfers** • Internal energy • Temperature changes in a system and specific heat capacity • Changes of state and specific latent heat **Particle model and pressure**

- Particle motion in gases
- Pressure in gases (Physics only)
- Increasing the pressure of a gas (Physics Only) (HT Only)

Topic 4 – Atomic Structure

Atoms and Isotopes

- The structure of an atom
- Mass number, atomic number, isotopes
- The development of the model of the atom

Atoms and Nuclear Radiation

- Radioactive decay and nuclear radiation
- Nuclear Equations
- Half-lives and the random nature of radioactive decay
- Radioactive contamination

Hazards and uses of radioactive emissions and of background radiation (Physics Only)

- Background radiation
- Different half-lives of radioactive isotopes
- Uses of nuclear radiation

Nuclear fission and fusion (Physics Only)

- Nuclear Fission
- Nuclear Fusion

Required Practical

Required practical activity 1: Investigation to determine the specific heat capacity of one or more materials. The investigation will involve linking the decrease of one energy store (or work done) to the increase in temperature and subsequent increase in thermal energy stored.

Required practical activity 2 (Physics only): Investigate the effectiveness of different materials as thermal insulators and the factors that may affect the thermal insulation properties of a material.

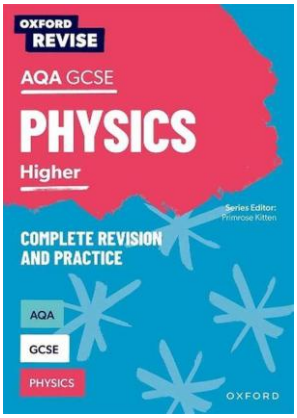
Required practical activity 3: Use circuit diagrams to set up and check appropriate circuits to investigate the factors affecting the resistance of electrical circuits. This should include:

- the length of a wire at constant temperature
- combinations of resistors in series and parallel.

Required practical activity 4: use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements, including a filament lamp, a diode and a resistor at constant temperature.

Required practical activity 5: use appropriate apparatus to make and record the measurements needed to determine the densities of regular and irregular solid objects and liquids. Volume should be determined from the dimensions of regularly shaped objects, and by a displacement technique for irregularly shaped objects. Dimensions to be measured using appropriate apparatus such as a ruler, micrometer or Vernier callipers.

Physics (Triple)

Materials to support your revision:	
Link to Online Resources:	https://www.my-gcsescience.com/ This platform has revision resources and practice questions that cover the whole science GCSE. Students log in using the same username as to log in to a school computer the password is CWC. https://app.century.tech/learn/my-path This platform provides personalised learning experience that help students grasp complex scientific concepts allowing students to progress at their own pace. https://www.cognitoedu.org/home Clear and accessible revision resources for students to support students as they prepare for their science GCSE exams. https://www.bbc.co.uk/bitesize/subjects/zpm6fg8
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/physics/gcse/physics-8463/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/physics/gcse/physics-8463/assessment-resources
Recommended revision guides (if applicable):	Oxford Revise: AQA GCSE Physics Revision and Exam Practice: Higher 
For essay subjects and longer answer questions – suggested question titles for practice:	N/A

Religious Studies

Subject:	Religious Studies
Exam Board:	Edexcel
Details of mock exam:	
Paper Title:	Paper 1 and Paper 2
Type of Assessment:	Formal Exam
Duration:	1hr 45mins
Topics to be covered in the mock:	Part of Paper 1 Christian Beliefs and Practices and Part of Paper 2 Islam Beliefs and Practices Edexcel Specification B Islam 2C **Beliefs and Teachings**: Key concepts like the Six Articles of Faith (Sunni) and Five Roots of Usul ad-Din (Shi'a), the nature of Allah, prophethood (including Muhammad and other prophets), angels, holy books, and life after death (Akhirah). **Practices**: The Five Pillars of Islam (Shahadah, Salah, Zakah, Sawm, Hajj), festivals (Eid-ul-Fitr, Eid-ul-Adha, Ashura), Jihad (Greater and Lesser), and the significance of prayer and other acts of worship. Edexcel Specification B Christianity 1B **Beliefs:** Christians believe in the Trinity, creation, Jesus' Incarnation, salvation through Jesus, and life after death, including resurrection, judgement, Heaven and Hell. **Practices:** Christians worship and pray in different ways, through baptism and Communion, celebrate Christmas and Easter, evangelize, support communities, and help those in need through charity

Religious Studies

Materials to support your revision:	
Link to Online Resources:	https://qualifications.pearson.com/en/qualifications/edexcel-gcses/religious-studies-a-2016.html This platform has revision resources and practice questions that cover the whole GCSE. https://senecalearning.com/en-GB/blog/gcse-religious-studies-revision
Link to exemplar questions or past papers to use:	https://revisionworld.com/gcse-revision/rs-religious-studies/past-papers/edexcel-gcse-rs-past-papers
Link to model answers or mark schemes:	https://bit.ly/3Sk5U0x
Recommended revision guides (if applicable):	CGP Religious studies Edexcel B
For essay subjects and longer answer questions – suggested question titles for practice:	1. **Belief in life after death is the most important Islamic belief." Evaluate this statement.** Refer to Islamic teachings in your answer. 2. **"Prayer is the most important of the Five Pillars of Islam." Evaluate this statement.** Refer to Islamic teachings in your answer. 3. **"The resurrection of Jesus is the most important Christian belief." Evaluate this statement.** Refer to Christian teachings in your answer. 4. **"Prayer is the most important Christian practice." Evaluate this statement.** Refer to Christian teachings in your answer.

Spanish (Foundation)

Subject:	Spanish 8698
Exam Board:	AQA
Tier (if applicable):	Foundation
Details of mock exam:	
Paper Title:	Paper 1 – Listening Paper 2 – Speaking Paper 3 – Reading Paper 4 - Writing
Type of Assessment:	Formal exam
Duration:	Paper 1 Listening – 35 minutes Paper 2 Speaking – 25 minutes approximately (including the 15 minutes prep). Paper 3 Reading – 45 minutes Paper 4 – Writing 1 hour 10 minutes
Topics to be covered in the mock:	**Theme 1: People and lifestyle** Theme 1 covers the following three topics: Topic 1: Identity and relationships with others Topic 2: Healthy living and lifestyle Topic 3: Education and work **Theme 2: Popular culture** Theme 2 covers the following three topics: Topic 1: Free-time activities Topic 2: Customs, festivals and celebrations Topic 3: Celebrity culture **Theme 3: Communication and the world around us** Theme 3 covers the following three topics: Topic 1: Travel and tourism, including places of interest Topic 2: Media and technology Topic 3: The environment and where people live

Spanish (Foundation)

Materials to support your revision:	
Link to Online Resources:	-BBC Bitesize – Spanish GCSE AQA (for exams from 2026): https://www.bbc.co.uk/bitesize/examspecs/zjgpg2p -www.grade9school.com - for vocabulary, flashcards, grammar, verb conjugations
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/spanish/gcse/spanish-8692/assessment-resources
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/spanish/gcse/spanish-8692/assessment-resources
Recommended revision guides (if applicable):	CGP GCSE Spanish AQA Complete Revision & Practice (for exams from 2026 and beyond)
For essay subjects and longer answer questions – suggested question titles for practice:	1: You are writing a blog about health. Write approximately **90** words in **Spanish**. You must write something about each bullet point. Mention: • what you should do to lead a healthy lifestyle • what sport you did last week • what you would like to do in the future to be healthier. 2. You are writing to your Spanish friend about media and technology. Write approximately **90** words in **Spanish**. You must write something about each bullet point. Mention: • you opinion on social media • what you used technology for last week • what you think technology will be like in the future 3. You are writing to your Argentinian friend about family. Write approximately **90** words in **Spanish**. You must write something about each bullet point. Mention: • if you like the idea of having children in the future • how you get on with your family • what you used to do with your family when you were younger.

Spanish (Higher)

Subject:	Spanish 8692
Exam Board:	AQA
Tier (if applicable):	Higher
Details of mock exam:	
Paper Title:	Paper 1 – Listening Paper 2 – Speaking Paper 3 – Reading Paper 4 - Writing
Type of Assessment:	Formal exam
Duration:	Paper 1 Listening – 45 minutes Paper 2 Speaking – 30 minutes approximately (including the 15 minutes prep) Paper 3 Reading – 1 hour Paper 4 – Writing 1 hour and 15 minutes
Topics to be covered in the mock:	**Theme 1: People and lifestyle** Theme 1 covers the following three topics: Topic 1: Identity and relationships with others Topic 2: Healthy living and lifestyle Topic 3: Education and work **Theme 2: Popular culture** Theme 2 covers the following three topics: Topic 1: Free-time activities Topic 2: Customs, festivals and celebrations Topic 3: Celebrity culture **Theme 3: Communication and the world around us** Theme 3 covers the following three topics: Topic 1: Travel and tourism, including places of interest Topic 2: Media and technology Topic 3: The environment and where people live
Materials to support your revision:	
Link to Online Resources:	-BBC Bitesize – Spanish GCSE AQA (for exams from 2026): https://www.bbc.co.uk/bitesize/examspecs/zjgpg2p
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/spanish/gcse/spanish-8692/assessment-resources
Link to model answers or mark	https://www.aqa.org.uk/subjects/spanish/gcse/spanish-8692/assessment-resources

schemes:	
Recommended revision guides (if applicable):	CGP GCSE Spanish AQA Complete Revision & Practice (for exams from 2026 and beyond)
For essay subjects and longer answer questions – suggested question titles for practice:	1: You are writing a blog about health. Write approximately **90** words in **Spanish**. You must write something about each bullet point. Mention: • what you should do to lead a healthy lifestyle • what sport you did last week • what you would like to do in the future to be healthier. 2. You are writing to your Spanish friend about media and technology. Write approximately **90** words in **Spanish**. You must write something about each bullet point. Mention: • you opinion on social media • what you used technology for last week • what you think technology will be like in the future 3. You are writing a post for a Spanish website about family. Write approximately **150** words in **Spanish**. You must write something about both bullet points. Mention: • the positive aspects of spending time with family • something you did recently to help a family member.

My Revision Timetable

Create your own revision timetable. Use colour to identify your different subjects.
Make sure you have water, snacks and take regular breaks throughout the day!

Explore LEARNING

Date:

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9 am							
10 am							
11 am							
12 pm							
1 pm							
2 pm							
3 pm							
4 pm							
5 pm							
6 pm							
7 pm							
8 pm							

Subject colour key

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