

Walthamstow School for Girls



Mock Exams 2020

Subject Exam Topics

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THE MOCK EXAMS ARE A PRACTICE FOR THE REAL GCSE's
ALL GCSE RULES AND REGULATIONS APPLY

Before the exams

1. You should have received a copy of your individual timetable via your form tutor in your Wednesday tutor group prior to your exams and you will be given a copy of a booklet containing all your subject exam topics (titled Mock Exams 2020 Subject Exam Topics).
2. Check your timetable very carefully. Make sure you know your Language group and tiers of entry or group for other subjects. Check how many papers are being set for your subjects. If you have an exam clash this will be detailed on your timetable.
3. When you revise it is better to:
 - a) Start early.
 - b) Think carefully about where to revise, make sure you are not distracted by the TV or other people.
 - c) Set yourself time limits; do not spend too long on any one topic. Little and often is better than one long session just before the exam.
 - d) Your revision should be active - do not just read your notes. You should make lists of key facts and then test yourself to see if you can remember them. Make spider diagrams to show the links between various topics. Ask your teacher for past questions and try to do them under exam conditions.
 - e) You will be given a list of the subject specific topics to focus your revision on.
 - f) Do not believe friends who say they are not revising!
4. Check you have all the correct equipment:
 - a) **Black** pens only for writing your answers.
 - b) A pencil for drawing (do not write with a pencil).
 - c) Coloured pencils for D&T subjects.
 - d) An eraser and a ruler.
 - e) Make sure you have your own calculator, you know how to use it and you **have cleared the memory, put the lids in your bags and have the correct settings before entering the exam room.** Higher Maths and Science groups **will** need a **scientific** calculator.

Check with your subject teachers to see if you need anything else. All your equipment must be in a **clear** pencil case or plastic bag. You are not allowed to take into the exam – non-clear pencil cases, tippex, rough paper, notebooks, a calculator instruction book or **mobile phone**. You must follow the school rules regarding mobile phones and ensure they are turned **off** and **not** on silent and then placed securely in your bags where they are to remain until you exit the school premises and are outside the school gates. You are not allowed any SMART watches such as Fitbits and should not bring these into school. Highlighters may be used on the question papers only **not the answer booklets/sheets**. Only clear plastic water bottles are allowed and all labels must be removed before entering the exam room. No food is allowed in the exam room.

5. Make sure the school has a correct record of your telephone number so that you can be contacted if you are late or missing for an exam.

6. Because the Sports Hall may be cold as the external doors have to be opened to allow for the required ventilation due to COVID, you will be allowed to wear non-school uniform. However, you must ensure you wear layers of clothing to keep you warm which can be taken off if needed.

The Exams

1. The day before an exam re-check your equipment and then get a good night's sleep. In the morning get up in good time, have some breakfast and make sure you are in school promptly for the start of the day.
2. If you are too ill to attend, or you are late, then telephone the school, (020 8509 9446). When the office is closed, you can leave messages on the answer phone.
3. For morning exams starting at 10:00am, you are to follow the adapted school day routine of lining up between 9:20-9:30am in the MUGA and once in your period 1 lessons your register will be taken and you will be given a daily exam briefing via teams from either the subject HOF or teacher. You will then remain in your rooms until you are called out remotely in exam candidate number order (4-digit number starting with a 6 shown on your ID cards if you cannot remember this) by Mr Shackson when you will make your way to the end of the Science corridor where rooms F02/F03 are and assemble in your candidate number order a group at a time. You will then be escorted down the stairs to the Sports Hall. Upon entry in to the Sports Hall you are to sanitise your hands and wait to be shown by the invigilators where to place your bags and where you are sitting. A register will be taken once you are all seated in the exam room. PLEASE ENSURE BEFORE YOU ENTER THE SPORTS HALL THAT YOUR MOBILE PHONES ARE TURNED OFF AND PLACED IN YOUR BAGS TOGETHER WITH ANY CALCULATOR LIDS.
4. Morning exams should finish by 11:50am, unless you have extra time, ready for your usual lunch time procedure. If you have extra time you will be escorted at the end of your exam to a separate area for your lunch break. At the end of the exams you are to remain seated until the invigilators have collected your exam papers when you will be dismissed a row at a time to make your way to the Upper Terrace where you are to follow the usual lunch time routine.
5. For afternoon exams starting at 1:15pm, you are to follow the usual lunch time routine and then follow the same procedure used for morning exams. At the end of your exam and once you have been dismissed by the invigilators, you will be directed to return to lessons via the route you came to the exam hall or will be directed to the school gate using the outside route as normally used from lessons.
6. There are no toilet breaks during the exams, unless you have a medical condition or in an emergency, so please make sure you have been before entering the exam room.
7. There must be SILENCE at all times in the exam room. You will be directed to your place. Sit down and wait, facing the front, for further details. Do not touch any exam papers, which may already be on your desk.
8. Listen carefully to the exam instructions. Make sure you understand how many questions to answer. Are there different sections? Do you have a choice of questions? How much time are you allowed? Are you advised to spend so much time on each section? If you do not understand put up your hand and wait for an invigilator to come to you. An invigilator can help you with instructions, **BUT INVIGILATORS CANNOT HELP YOU WITH THE QUESTIONS.**

9. Fill in your "Legal" name(s) **not** your preferred name(s) and other details as required, including your subject teacher's name, on all exam answer books and additional sheets.
10. If you arrive up to half an hour late you can still sit the exam, but you may not get the full duration if there are not enough invigilators available. If you are more than half an hour late you will be sent to the senior staff on duty. In the real GCSE's any lateness may result in the exam board refusing to mark your paper.
11. Any attempt at cheating (this includes talking) in the exam room will result in you being removed from the exam and sent to the senior staff on duty. Your exam will be cancelled, your parents informed and you may be excluded from all the other exams.
12. Remember all written answers must be in **black pen**, not pencil. Write your answers **clearly** in the space provided. All rough notes and working out must be done on the exam paper then neatly crossed out and handed in with your answers. When you use a calculator, you must write down the calculations you are doing, not just the final answer.
13. Keep a careful check on the time. It is better to attempt all the required number of questions, even if some are left unfinished, rather than finishing off questions and leaving one or two not started.
14. You are not allowed to leave the exam room until the end of the exam. In an emergency, an invigilator may escort you to the toilet or for medical attention.
15. At the end of the exam, tidy up your papers and secure with a treasury tag if required. If you have used additional sheets they should all have your name on, your subject teacher's name and be numbered. You must remain seated in silence while the exam papers are collected and checked. When told to leave you must do so in silence, other exams may still be continuing in the same room or nearby.
16. At the end of every exam the invigilators will wipe down all the desks with anti-bacterial wipes.
17. It is impossible to guarantee that all exams start or finish at the exact time on the timetable. Some exams, especially 2 hour exams in the afternoon, may have to continue after 3.15pm so please ensure your parents/carers are aware of this.

In The Event of a Fire/Emergency

- Students will be instructed to put all equipment down
- Invigilators will note the time
- Students will be asked to put their face masks on
- Students will then, **in silence**, be dismissed from the exam venue, orderly, row by row and accompanied by Invigilators to ensure absolute silence
- Students will assemble in seating order in the MUGA away from the rest of the school in **TOTAL SILENCE**
- Any communication during the evacuation will have to be treated as cheating

Good luck!

GCSE Mock Exams -January 2020

Topic Lists

Subject: English

Paper 1: Language Paper 1 (AQA)

Topics:

- Reading 20th Century Prose: Unseen Extract
- Writing: Narrative or Descriptive Writing

Advice:

- Practise reading extracts from novels written between 1900 – 1950. Summarise what you read. Identify 5-7 key quotes and 3-4 methods used.
- Plan a narrative. Create a character and brainstorm how the character might react to different settings, characters, or events.
- Plan a piece of descriptive writing. Use an interesting image to inspire you. Focus on all five senses and zooming in on small details.
- Prepare sophisticated vocabulary. Memorise the meaning and spelling of 5-10 sophisticated words. Include a mix of positive and negative words.

Paper 2: Literature Component 1 (Eduqas)

Topics:

- **Shakespeare (Romeo and Juliet): Extract – main character question; Essay – main theme question**
- **An Inspector Calls: main theme question**

Advice:

- Timeline the key events in the play. Support each event with a key quote. Link quotes to a key theme.
- Mind-map key characters and themes. Which quotations best illustrates the character or theme? How does the character/theme develop through the play?
- 5-point plans: Create a 5-point plan for each character or theme. Which events in the play will you explore? Which quotes best evidence your ideas? Remember to make specific links to methods and writer's intention.
- For all of the above, remember to work your way chronologically through the play.

Paper 3: Literature Component 2

Topics:

- **Jane Eyre: main character as a representative of a larger group question**
- **Unseen Poetry: two unseen poems about relationships.**

Advice:

Jane Eyre:

- Timeline the key events in the text. Support each event with a key quote. Link quotes to a key theme.
- Mind-map key characters and themes. Which quotations best illustrates the character or theme? How does the character/theme develop through the text?
- 5-point plans: Create a 5-point plan for each character or theme. Which events in the text will you explore? Which quotes best evidence your ideas? Remember to make specific links to methods, writer's intention, and context.
- For all of the above, remember to work your way chronologically through the text.

Unseen Poetry:

- Practise analyzing unseen poems. Explore the content, imagery, themes and structure in each unseen poem.
- Practise comparing unseen poems. Create a comparison chart to compare poets' attitudes, imagery, themes and ideas.
- 5-point plans: Create a 5-point plan to compare poems. What points will you compare? What evidence will you use? Remember to make specific links to methods and writers' intentions.
- You can find lots of unseen poems on the following websites:

http://resource.download.wjec.co.uk.s3.amazonaws.com/vtc/2016-17/16-17_3-19/pdf/eng/List%20of%20poems.pdf

Or by Googling 'WJEC Eduqas Unseen Poetry Practise' and clicking 'Approaches to unseen poetry – Eduqas Digital Resources'

GCSE Mock Exams -January 2020

Topic Lists

Subject: Foundation Maths

Paper 1:

Topics:

- Rounding
- Comparing and ordering numbers
- Essential Fractions, Decimals and Percentages
- Equivalent Fractions
- Multiples, Squares, Primes, Factors and Cubes
- Simple Algebra and collecting like terms
- Probability Scales, words and simple probability
- Simple Proportion
- Parts of a Circle
- Money Problems
- Factors, Multiples and Primes
- Drawing and Interpreting Composite Bar Charts
- Length and Capacity Problems
- Ratio, Fractions and Percentage Problems
- Percentage of an amount
- Substitute into Formulae, single brackets and simple equations
- Equivalence of ratio and fractions
- Venn Diagrams, Probability and understanding Set Notation
- Add and Subtract Mixed Numbers
- Combining Ratios
- Calculating Percentage Increase or Decrease
- Estimation and Reasoning
- Plans and Elevations, Surface Area of Prisms and Pyramids
- Coordinate and Shape Problem
- Drawing Straight Line Graphs
- Vector Arithmetic

Advice: Use practice past papers, Mathswatch, Maths Genie and corbettmaths

Paper 2:

Topics:

- Place Value
- Multiples, Squares, Primes, Factors and Cubes
- Metric Conversions
- Cube Roots
- Fractions, Decimals and Percentages
- Comparing Fractions
- Collecting Like Terms and Simplify Expression
- Scales Diagrams
- Explain a Term not in a Sequence and basic sequences
- Number machines

- Percentage of an amount
- Simple Probability
- Area and Perimeter Problems
- Probability misconceptions, mistakes and Simple Sample Space
- Simple Interest
- Describing Transformations
- Calculator numeracy
- percentage increase
- Solving equations with 2 brackets and factorising single brackets
- Venn Diagrams and Probability
- Scatter graphs
- Triangles and Parallel Lines
- Compound Interest and Depreciation
- Functional Area Problems
- Gradient Problems
- Expand double brackets and factorising quadratics
- Standard Form and ordinary numbers

Advice: Use practice past papers, Mathswatch, Maths Genie and corbettmaths

Paper 3:

Topics:

- Essential Fractions, Decimals and Percentages
- Fractions, Decimals and Percentages
- Rounding
- Basic Sequences and Find a term in a Sequence
- Digits and Place Value
- Finding Factors
- Doubling Problem
- Using a Calculator with Square roots
- Time, Timetables and Distance Tables
- Rate of Pay
- Equivalent Fractions
- Scales Diagrams
- Equation of a Line from a Graph
- Stem and Leaf
- Powers, Roots and BIDMAS
- Fractions of Amounts and Equivalence of ratio and fractions
- Shape Problem Solving
- Standard Form With A Calculator
- Scatter graphs and outliers
- Expand Brackets and Simplifying
- Drawing Shapes with Given Area
- Tree Diagram mistakes
- Trigonometry
- Probability from tables

Advice: Use practice past papers, Mathswatch, Maths Genie and corbettmaths

Subject: Higher Maths

Paper 1:

Topics:

- Add and Subtract Mixed Numbers
- Combining Ratios
- Percentage Profit and Loss Problems
- Estimation, Reasoning and assumptions
- Plans, Elevations and surface area
- Shape and Coordinate Problems
- Mixed Transformations
- Ratio and Shape Problems
- Square Roots, Indices, Fractional and Negative Indices
- Box plots
- Algebraic Angles and Circle Theorems
- Proof
- Calculate with Surds
- Direct and Inverse Proportion Problems
- Factorise Quadratics and Using Difference of Two Squares
- Probability and Ratio
- Simplifying Algebraic Fractions
- Trigonometric Graphs
- understanding $y=mx+c$ and gradients
- Quadratic Inequalities

Advice: Use practice past papers, Mathswatch, Maths Genie and corbettmaths

Paper 2:

Topics:

- Venn Diagrams, Probability and Set Notation
- Scatter graphs
- Triangles and Parallel Lines
- Compound Interest and Depreciation
- Functional Area Problems
- Gradient Problems
- Standard Form
- Mixed Transformations
- Simple Bounds
- Percentage Profit and Loss Problems
- Counting Methods
- Algebraic Fractions
- Circle Problems
- Exponential Graphs
- Equation of a circle
- Tree Diagrams
- Algebraic Ratio Problem

- understanding $y=mx+c$ and gradients
- Quadratic Inequalities
- Density Problems
- Circle Theorems

Advice: Use practice past papers, Mathswatch, Maths Genie and corbettmaths

Paper 3:

Topics:

- Scatter graphs, Outliers and Reasoning
- Expand Brackets and Simplify
- Draw Shape with Given Area
- Tree Diagram Mistakes
- Trigonometry and Trig Values
- Probability from tables
- Solving Equations Involving Fractions
- Irregular Polygons
- Standard Form and Understanding Increase and Decrease
- Worded LCM Questions
- Reverse Percentage
- The Equation of a Line
- Similar Solids and Ratio
- Product Rule for Counting with Halving
- Areas under velocity time graph
- Using nth Term of a Sequence and Quadratic sequences
- Combined Sine and Cosine Rules
- Iterative processes
- Algebra and Trigonometry
- Venn Diagrams and Probability
- Congruent Triangles

Advice: Use practice past papers, Mathswatch, Maths Genie and corbettmaths

GCSE Mock Exams -January 2020

Topic Lists

Subject: Combine Science Foundation

Paper 1: Biology

Topics:

- Photosynthesis
- Surface area calculations
- Transport in blood
- Using a microscope
- Interpreting spread of disease
- The human heart and interpreting data linked to this
- The digestive system

Advice:

Look to practice the calculations from B1 here. Look over the required practical's from B2 and ensure you can apply your knowledge to these, do not just learn facts.

Paper 2: Chemistry

Topics:

- Chemical energy diagrams
- Crystallization
- Using the periodic table
- Reactivity of elements
- Diagrams and explanations of bonding
- Interpreting results and identifying variables on reactivity

Advice:

Practice questions linked to required practical's and ensure you can identify variables as well as controls. Do also ensure you are clear on the make up of the periodic table in terms of groups, reactivity and can identify atomic mass, atomic number as well as complete electron counts, very much the key areas from C1.

Paper 3: Physics

Topics:

- Electricity calculations
- Interpreting results on electricity practical's
- Radioactivity
- Energy calculations
- Latent heat

Advice: A lot of this paper focus on P2: electricity and the interpretation of experiments. Look to practice questions linked to required practical's to help with this and how to apply your knowledge as opposed to learning facts.
You will be given a full list of formulae for this paper so do not have to learn them.

GCSE Mock Exams -January 2020

Topic Lists

Subject: Combined Science Higher

Paper 1: Biology

Topics:

- The heart
- The digestive system
- Photosynthesis
- Spread of disease
- Using a microscope
- Transport of nutrients in plants

Advice: A lot of application, so advise spending time practicing exam questions particularly linked to required practical's. Do spend time reviewing the unit on photosynthesis as well as how to use a microscope and any calculations linked to this.

Paper 2: Chemistry

Topics:

- Reactivity
- Measuring energy changes
- Bond energy
- Bonding diagrams and descriptions
- Trends with groups in the periodic table
- Electrolysis
- Moles

Advice: Ensure clear understanding of C1 and C2 giving a good grounding for all this paper. Practice calculations linked to C3 as well as looking at required practical's looking identify variables as well as interpret results.

Paper 3: Physics

Topics:

- Electricity, linked to current, potential difference and resistance
- Internal energy
- Electricity calculations
- Control circuits
- Specific heat capacity
- Radioactivity

Advice: A lot of this paper is made of P2: electricity, so spend time reviewing the material as well as practicing revision exam questions linked to this. Do look over required practical's and ensure you can highlight variables and interpret results linked to these. You will also be given a full formula list for this exam so do not need to learn them.

Subject: Separate Science

Paper 1: Biology

Topics:

- Using a microscope
- Spread of disease
- Immunity
- Photosynthesis
- Transport in plants
- The heart
- Diabetes
- Circulatory system
- Cancer
- Drug testing

Advice: A very broad range of topics to cover with the tendency to pick a small part of a topic and question in detail. Spend practicing exam questions, keep in mind there are longer questions present, so ensure you focus on the command words and answer accordingly e.g. explain, describe etc.

Paper 2: Chemistry

Topics:

- Structure of the modern periodic table
- Bonding diagrams and descriptions
- Allotropes of carbon applications
- Bond energy calculations and diagrams
- Electrolysis
- Mole calculations

Advice: I recommend spending time reviewing C3 and C5 which are a focus of this exam paper. Do practice mole calculations and ensure you can describe how to find the concentration of an unknown chemical. I recommend plenty of practice of exam questions. Keep in mind there are a number of extended questions so ensure you respond to the appropriate command word e.g. describe, evaluate, calculate etc.

Paper 3: Physics

Topics:

- Electricity calculations
- Measuring insulation
- Energy calculations
- Radioactivity
- Specific heat capacity calculations
- Density
- Internal energy

Advice: A lot of calculations on this paper so do spend time practicing these. You are given the full list of formulae so do not have to learn these. Some questions do require the interpreting of information, so again, do look at questions like these and practice how to tackle them. As with other separate papers there are a lot of longer questions so to gain maximum marks you need to ensure you respond to the command word.

Subject: Geography

Paper 1: Living with the Physical Environment

Section A – The Challenge of Natural Hazards

- Extreme weather and its effects
- Formation of Tropical Storms
- Effects of tropical Storms
- Impact of climate change on tropical storms
- Mitigation strategies and climate change
- Responding to Tectonic Hazards

Section B – The Living World

- Food chains and food webs
- Rainforest characteristics
- Deforestation in rainforests
- Desert adaptations (plants and animals)
- Causes of desertification

Section C – UK Physical Landscapes

- Waves
- Mass movement
- Coastal management
- Coastal landforms created by erosion
- The rivers long profile
- River processes (focus on transportation)
- River management (focus on soft engineering)
- Waterfalls

Advice:

To assist you with your revision, the above topics have been identified as areas you will want to particularly focus on when it comes to your revision.

In addition to the general content, there will as always be questions which require you to use maps, photos and a variety of graphical presentations. In terms of numeracy, you are advised to focus in particular on measures of central tendency (mean, mode and median) and calculating percentages.

Subject: History

Paper 1: Superpower Relations and Anglo-Saxon and Norman England

Superpower Relations and the Cold War 1941-1991

- Early tensions between East and West and the development of the Cold War 1941-1949 (Including the Grand Alliance, the 3 conferences Tehran, Yalta, Potsdam. The Telegram, creation of the satellite states, Truman Doctrine, Marshall Plan, Comecon, Cominform and NATO)
- Hungarian Uprising 1956 (Including causes, events and consequences)
- Berlin 1958 – 1963 (Including the Refugee Problem, Khrushchev’s Ultimatum, The Summit Meetings, Building of the Wall and the consequences)
- Cuba 1959 – 1963 (Including the Cuban Revolution, Bay of Pigs, Cuban Missile Crisis and the consequences of the Cuban Missile Crisis)
- ‘The Second Cold War’ 1979-1985 (Including the Afghanistan Invasion and consequences, Reagan’s Policies, and the consequences)

Anglo-Saxon and Norman England c1060 – 1088

- Anglo-Saxon Society
- The last years of Edward the Confessor and the Succession Crisis
- The Rival Claimants to the throne
- The Norman Invasion (Including Gate Fulford and Stamford Bridge)
- William establishing control (Including castles)
- Anglo-Saxon resistance to Norman control (Including the revolts, the Harrying of the North and consequences)

Advice:

To assist you with your revision, the above topics have been identified as areas you will want to particularly focus on when it comes to your revision.

As well as the content please ensure that you also spend time revising the exam technique, so that you know how to answer all the different types of questions featured on Paper 2.

Paper 1: Christianity, Religion, Philosophy and Ethics

Section 1 – Christian Beliefs

- The different miracles of Jesus
- The last events in Jesus' life
- Different Christian teachings and beliefs about the afterlife
- Different Christian understandings of salvation
- Beliefs about the Trinity and its importance in Christianity

Section 2 – Marriage and the Family

- Different Christian beliefs and attitudes to pre-marital sex
- Different Christian beliefs about the importance of marriage
- Different Christian teachings and beliefs about women in the Church
- Different Christian teachings and beliefs about women in society
- Different Christian teachings and beliefs on divorce
- Christian families and the local church

Section 3 – Living the Christian Life

- Christian beliefs and teachings about the importance of Easter
- Christian beliefs and teachings about the importance of Christmas
- Christian beliefs and teachings about the sacraments, especially Holy Communion
- Different forms of Christian worship
- The importance of fighting persecution for Christians
- The importance of fighting for justice for Christians

Section 4 – Matters of Life and Death

- Christian teachings and attitudes in relation to the treatment of animals
- Scientific explanations about the creation of the universe
- Christian responses to scientific explanations
- Different atheist ideas and arguments against Christian beliefs about life after death
- Different Christian attitudes and teachings on abortion

Advice:

To assist you with your revision, the above topics have been identified as areas you will want to particularly focus on when it comes to your revision. It is also strongly recommended that you revise Humanist views on different issues, as well as the responses of relevant ethical theories, so that you can use these perspectives where appropriate in essay questions. The key relevant ethical theories that we focus on are Situation Ethics and Utilitarianism.

Furthermore, it is important that you consider your exam technique. You should make sure that you can complete early questions accurately and with efficiency so that you can effectively manage your time between the shorter questions and the essay questions. You should also make sure that you practice your essay writing skills focusing on the effective formulation of arguments and especially on effectively incorporating evaluation skills into your essays.

Subject: Music

Paper 1: Understanding Music

Topics:

Section A:

AOS 1: Baroque music and specifically oratorios and coronation anthems

AOS 2: Rock Music of the 60s and 70s

AOS 2: Urban R and B

AOS 3: Contemporary Folk Music of the British Isles

AOS 3: Fusion music

AOS 3: Latin American Music

AOS 4: British music since 1910.

AOS 4: Western classical music post 1910

Section B:

Haydn – Symphony 101 in D major – Movement 2 – 14 MARKS

Lucy in the Sky with Diamonds – 2 mark question

With a Little Help from my Friends – 2 mark question

Within You, Without You –8 MARK QUESTION.

General Elements Covered:

Section A:

Instrumentation, structure and form, chords and cadences, time signatures, choir types, texture, consonant and dissonant harmony, rhythm, dynamics, melody, tempo, melodic dictation, note values, playing techniques, ornaments, instrumental groups, articulation, notes of the scale, intervals, tonality, rhythmic features, voice types.

Section B:

Harmony, melody, texture, tonality, timbre, playing techniques, key signatures, key features of the classical period.

Basslines, variations, rhythm, melody, structure, instrumentation, key features of fusion music.

Advice:

Make sure you know the terminology. Questions will ask you to ‘identify the cadence’ or ‘describe the texture’ you MUST have a good knowledge of musical terms listed above. You must know what the question is asking you. Don’t over revise the topic areas (eg. Rock Music of the 60s and 70s) you only need to know the key features of each style. There is no need to learn the dates and names of every Pink Floyd song released. Just focus on the key features of each genre and you will be fine.

Subject: PE

Paper 1:
Topics: <ul style="list-style-type: none">• Components of fitness• Plane and Axis• Levers• Types of training• Aerobic and Anaerobic• Skeletal and muscular systems• Fitness tests• The heart• Cardiac output• Vasodilation• Breathing• Methods that aid recovery.
Advice:

Paper 2:
Topics: <ul style="list-style-type: none">• Quantitative and Qualitative data• Skills and ability• Classifications of skills – the continuums ie basic to complex• Inverted U theory• Types of motivation• Types of aggression• Types of personality• Sponsorship• Media• Balances diet – protein, carbs etc.• Somatotypes• PEDS• Participation in sport and different ages.
Advice:

Subject: Drama

Paper 1: Interpreting Theatre
Topics: Section A: Set Text - <i>DNA</i> Section B: Live theatre analysis and evaluation (<i>Frankenstein</i>)
Advice: Section A: The long design question will be on lighting and sound. You will be required to write a sentence about how lighting and sound were used in the original production. The same information about original staging applies to lighting and sound, ie the play was first performed as part of the Connections festival in multiple schools and youth theatres up and down the country. Lighting and sound would have been used, therefore, in a range of different ways. Section B: You will have a choice of two questions: either vocal skills or set design.

Subject: French

Paper 1: Listening Foundation
Topics: <ul style="list-style-type: none">. My family (Theme 1 Module1). Hobbies (Theme 1 Module 2). Holidays (Theme 2 Module 5). My town (Theme 2 Module 4). Shopping (Theme 2 Module 5). Work (Theme 4 Module 7). School (Theme 3 Module 6). Environment (Theme 5 Module 8)
Advice: <p>You can log on pearson active learn and go over the activities done in class.</p>

Paper 2: Reading Foundation
Topics: <ul style="list-style-type: none">. Food (Theme 1 Module 3). Celebrations (Theme 1 Module 3). Local area (Theme 2 Module 4). Holidays (Theme 2 Module 5). School (Theme 3 Module 6). Work (Theme 4 Module 7). Environment (Theme 5 Module 8)
Advice: <p>Go over the reading activities done in class.</p>

Paper 3: Writing Foundation
Topics: <ul style="list-style-type: none">. Friendship (Theme 1 Module 1). Celebrations (Theme 1 Module 3). Holidays (Theme 2 Module 4). School (Theme 3 Module 6)
Advice: <p>Go over the essays done in class.</p>

Subject: French Higher

Paper 1: Listening Higher

Topics:

- . Hobbies (Theme 1 Module 2)
- . Local area (Theme 2 Module 4)
- . Holidays (Theme 2 Module 5)
- . School (Theme 3 Module 6)
- . Work (Theme 4 Module 7)
- . Environment (Theme 5 Module 8)

Advice:

You can log on [pearsonactivelearn](https://www.pearsonactivelearn.com) to go over the listening activities done in class.

Paper 2: Reading Higher

Topics:

- . Celebrations (Theme 1 Module 3)
- . Local area (Theme 2 Module 4)
- . Holidays (Theme 2 Module 5)
- . School (Theme 3 Module 6)
- . Work (Theme 4 Module 7)

Advice:

Go over the activities done in class.

Paper 3: Writing Higher

Topics:

- . Friendship (Theme 1 module 1)
- . Local area (Theme 2 Module 4)
- . Celebrations (Theme 1 Module 3)
- . Holidays (Theme 2 Module 5)
- . School (Theme 3 Module 6)

Advice:

Go over the essays done in class.

Subject: Spanish Foundation

Paper 1: Listening Foundation

Topics:

- School (Theme 3 Module 2)
- Travel (Theme 2 Module 1)
- Food /Restaurants (Theme 1 Module 6)
- Holidays (Theme 2 Module 1)
- Work/Work experience (Theme 4 Module 7)
- Technology (Theme 1 Module 3)
- Festivals/Fiestas (Theme 1 Module 6)
- Family (Theme 1 Module 3)
- Hobbies (Theme 1 Module 4)
- Environment (Theme 5 Module 8) .
- Education (Theme 3 Module 2)

Advice:

Go over the vocabulary.

You can log on [pearsonactivelearn](https://www.pearsonactivelearn.com) to go over the listening activities done in class.

Paper 2: Reading Foundation

Topics:

- Jobs/Work/ (Theme 4 Module 7)
- School (Theme 3 Module 2)
- Celebrations (Theme 1 Module 6)
- Technology (Theme 1 Module 3) .
- Education (Theme 3 Module 2)
- Charity Work (Theme 5 Module 8)
- Cities (Theme 2 Module 5)
- Shopping (Theme 1 Module 5)

Advice:

Go over the vocabulary.

Paper 3: Writing Foundation

Topics:

- Hobbies/Free Time (Theme 1 Module 4)
- School/Education (Theme 1 module 1)
- Environment (Theme 5 Module 8)
- Shopping (Theme 1 Module 5)
- Work (Theme 4 Module 7)

Advice:

Go over the vocabulary Go over the essays done in class.

Subject: Spanish Higher

Paper 1: Listening Higher

Topics:

- Festivals/Fiestas (Theme 1 Module 6)
- Local area (Theme 2 Module 4)
- Travel (Theme 2 Module 1)
- Work (Theme 4 Module 7)
- Hobbies (Theme 1 Module 4)
- Family (Theme 1 Module 3)
- Local Area (Theme 2 Module 5)
- Environment (Theme 5 Module 8) .
- School (Theme 3 Module 2)
- Volunteering (Theme 5 Module 8)

Advice:

Go over the vocabulary.

You can log on [pearsonactivelearn](https://www.pearsonactivelearn.com) to go over the listening activities done in class.

Paper 2: Reading Higher

Topics:

- . Technology (Theme 1 Module 3) .
- School (Theme 3 Module 2)
- Environment (Theme 5 Module 8)
- Food /Restaurants (Theme 1 Module 6)
- Tourism (Theme 2 Module 1)
- Cities (Theme 2 Module 5)
- Shopping (Theme 1 Module 5)
- Employment (Theme 4 Module 7)

Advice:

Go over the vocabulary

Paper 3: Writing Higher

Topics:

- . Education (Theme 1 module 1)
- . TV (Theme 2 Module 4)
- . Family/Friendship (Theme 1 Module 3)
- . Work (Theme 4 Module 7)
- . School (Theme 3 Module 6)
- Environment (Theme 5 Module 8)

Advice:

Go over the vocabulary Go over the essays done in class.

Subject: Urdu

Paper 1: Listening Foundation

Topics:

- . Personal Introduction (Theme 1 Module1)
- . Food (Theme 1 Module 3)
- . Holidays (Theme 2 Module 5)
- . Work (Theme 4 Module 7)
- . School (Theme 3 Module 6)
- . Environment (Theme 5 Module 8)
- . Hobbies (Theme 1 Module 3)
- . Charity (Theme 5 Module 8)

Paper 2: Reading Foundation

Topics:

- . Health (Theme 1 Module 3)
- . Celebrations (Theme 1 Module 3)
- . Hobbies (Theme 1 Module 3)
- . Holidays (Theme 2 Module 5)
- . School (Theme 3 Module 6)
- . Work (Theme 4 Module 7)
- . Personal Information (Theme 1 Module 1)

Paper 3: Writing Foundation

Topics:

- . Celebrations (Theme 1 Module 3)
- . My House (Theme 2 Module 4)
- . Hobbies (Theme 1 Module 3)
- . School (Theme 3 Module 6)
- . Food (Theme 1 Module 3)

Subject: Urdu

Paper 1: Listening Higher

Topics:

- . Daily Routine (Theme 1 Module1)
- . Health and Lifestyle (Theme 1 Module 3)
- . Holidays (Theme 2 Module 5)
- . Work (Theme 4 Module 7)
- . School (Theme 3 Module 6)
- . Environment (Theme 5 Module 8)
- . Technology (Theme 5 Module 8)

Paper 2: Reading Higher

Topics:

- . Food (Theme 1 Module 3)
- . Celebrations (Theme 1 Module 3)
- . Hobbies (Theme 1 Module 3)
- . Holidays (Theme 2 Module 5)
- . School (Theme 3 Module 6)
- . Future (Theme 4 Module 7)
- . Famous Cities (Theme 2 Module 4)

Paper 3: Writing Higher

Topics:

- . Famous Personality (Theme 1 Module 3)
- . My City (Theme 2 Module 4)
- . Hobbies (Theme 1 Module 3)
- . School (Theme 3 Module 6)
- . Personal Introduction (Theme 1 Module 1)

Subject: Latin

<p>Paper 1: Latin Language</p> <p>Topics: All the vocabulary on the Defined Vocabulary List (DVL). Regular nouns and their endings of all five declensions. Regular verbs and their endings for all four conjugations. Regular verbs in the present, imperfect, perfect, pluperfect and future tense. Irregular verbs esse & posse in present and imperfect tense. Irregular verbs ire, ferre, velle & nolle in present, imperfect, perfect and pluperfect tense. Imperfect and pluperfect subjunctive. The signal words and the subjunctive constructions e.g cum clauses. Present and perfect participles. Verbs in the passive – present, imperfect and perfect tense – 3rd person singular & plural only. Deponent verbs – 3rd person singular & plural only. Adjectives in their Ordinary, Comparative & Superlative forms. Pronouns in all their forms.</p>
<p>Advice: Learn your DVL thoroughly. Remember that it is the ‘key’ to everything. If you have lost it, you can access an e copy in Teams-Class Materials-Resources-Vocabulary & Tests. Learn noun endings and verb endings so that you write them out in a small prompt table. Remember that adjectives and participles use the Noun endings as well.</p>

<p>Paper 2: Latin Literature</p> <p>Topics: Petronius – A spooky story Pliny – An alarming dream comes true Suetonius – The portents before the murder of Julius Caesar</p>
<p>Advice: Ensure that you have a clear understanding of each extract. Review your annotated extracts and ensure that you can identify key words and phrases in each piece, and that you can comment on content & style. Look at past Literature papers on the Eduqas website, just to see the type of questions that you might be asked (your theme is new for exam this year, so there are no past papers for Superstition & Magic yet). You will NOT have a 16 mark question.</p>

Paper 2b: Roman Civilisation**Topics:**

Design and features of a typical town house.
Slaves, freed slaves and patronage.
The Forum

Advice:

Refer to the WJEC website and practice answering questions on these topics from past papers - Level 2 Certificate – Unit 9522 - Roman Civilisation June 2011, 2012, 2016, 2017. You are looking at the Daily Life in Roman Society section. Then refer to the mark schemes for each.
Further reading – In Search of the Romans by James Renshaw.

GCSE Mock Exams -January 2020

Topic Lists

Subject: Economics

Paper 1: How Markets Work?

Topics:

Basic Economic Problem
Opportunity Cost
Economic Sectors
Factors of Production
Demand and Supply
Price Elasticity of Demand and Supply
Market Structures (Competitive and Non-Competitive Markets)
Market Failures
Production and Productivity
Labour Market
Specialisation
Economies of Scale

Advice:

- Ensure you are able to calculate % change
- Always re-read question to ensure you have answered it fully. E.g. if question asks you to state effect on 'price of cars', ensure you have answered this.
- Always ensure you have rounded calculations to expected decimal point- usually 1.d.p.
- Try and structure 9 and 15 mark questions so that you have analysed/ assessed both costs and benefits and have included a fully justified conclusion.
- Try and build a full chain of reasoning in 6, 9 and 15 mark questions- When you make a point, keep asking the question- 'WHY'? this will help build a full chain of reasoning- do not assume the examiner knows what you are talking about.

GCSE Mock Exams -January 2020

Topic Lists

Subject: Computer Science

Paper 1:

Topics:

- Computer Systems: Hardware
 - Components of a computer system
 - Components of a CPU
 - Factors that affect CPU performance
 - Embedded Systems
- Memory and Storage Devices
 - Primary and Secondary storage
 - Typical storage capacities
- Computer Systems: Software
 - Operating systems
 - Utility Software
- Systems Security
- Networks
- Ethical, Legal, Cultural and Environmental Concerns

Advice:

- Be able to convert between different units of storage
 - You are permitted to use 1024 or 1000 when converting between units
- Read all questions carefully to make sure your answer focuses on the correct subject of the question e.g. device security rather than network security (or vice versa)

Paper 2: Computational Thinking, Algorithms and Programming

Topics:

- Binary Representation of Data
- Algorithms
 - Computational Thinking
 - Programming structures, sequences, selection and iteration
 - Representing algorithms
- Programming Languages
 - High level and low level languages
 - Compilers and interpreters
- Input and Output
- Binary and Hexadecimal
- Boolean logic and logic gates
 - Logic gate diagrams
 - Truth tables
- Data types and Structures
- Searching and Sorting Algorithms
- Problem solving

Advice:

1. Ensure you can recognize and create algorithms using pseudocode and flowcharts
2. Be sure you can convert between the different number systems associated with computing

GCSE Mock Exams -January 2020

Topic Lists

Subject: Design & Technology

Paper 1:

Topics:

- Alloys
- Composite materials
- Packaging
- Percentages
- Area
- Angles
- System diagrams
- Commercial manufacturing processes
- Stock forms
- Finishing techniques
- Product lifecycle, manufacture and disposal, social and environmental issues
- Scales of production
- Named design companies
- Research
- specification points
- Two point perspective
- 3rd Angle projection
- Prototypes
- Forming and shaping materials

Advice: Make sure you take note of the 'command' words used in the question eg – Explain, discuss, evaluate etc.

GCSE Mock Exams -January 2020

Topic Lists

Subject: Food Preparation & Nutrition

Paper 1:

Topics:

- Methods of cooking
- Effects of above on different foods
- Nutritional intake and needs
- Nutritional function (Macro Nutrients and Micro Nutrients)
- Food safety
- Food packaging
- Sensory evaluation
- Food Provenance
- Sustainability

Advice: Make sure you take note of the 'command' words used in the question eg – Explain, discuss, evaluate etc.