

2024 Y11 Mock Exam Revision information booklet

A LITTLE
PROGRESS
EACH
DAY
ADDS
UP
TO BIG
RESULTS

Exam: Maths Paper 1 H **Length of Exam:** 1 h 30m
AM

Date: 11/11/24

What do I need to remember about this exam?

- Write down everything you type in your calculator for method marks.
 - Answer everything on the paper.
- Non Calculator

What do I need to revise for this exam?

Index laws (U662)
Circle graphs (U567)
Area of a circle (U950)
Averages and range (U717)
Constructions (U979)
Similarity (U578)
Angle facts (U655)
Forming and solving equations (M599)
Geometric sequences (U958)
Gradient (U315)
Circumference (U459)
Calculations with decimals (U293)
Ratio (U595)
Boxplots (U879, U837, U507)
Perpendicular lines (U848)
Surds (U707, U872)
Fractional and negative indices (U235, U772)
Distance-time graphs (U462)
Factors, multiples and primes (U739)
Factorising (U963)
Quadratic inequalities (U133)
Probability – successive events (U806)
Trigonometric graphs (U450, U627)
Sine and cosine rule (U952, U591)
Reverse percentages (U286)
Solving equations using graphs (U836)

Where can I find help with revision?

Websites: Sparx Maths, Maths Ginie, onmaths, corberttmaths.

All have topic-based questions, papers and predicted papers.

What do I need to remember about this exam?

- Write down everything you type in your calculator for method marks.
- Answer everything on the paper.

Non Calculator

What do I need to revise for this exam?

Averages and range (M934,M940, M328)
Basic calculations (M106)
Algebraic notation (U105)
Measuring angles (M780)
Frequency tables (M899)
Fractions of amounts (U916)
Converting units (M772)
Ratio (M885, M525)
Percentages of amounts(M437)
Pie Charts (M574, M165)
Probability (M941)
Proportion (M478)
Enlargement (M178)
Substitution (M208)
Straight line graphs (M932)
Scale drawings (M112)
Density (U910)
Calculations with decimals (U293)
Index laws (U662)
Factors, multiples and primes (U739)
Constructions (U979)
Angle facts (U578)
Forming and solving equations (M599)
Calculations with fractions (M157, M110, M835)
Estimation (M878)
Expanding double brackets(M960)
Factorising (U963)

Where can I find help with revision?

Websites: Sparx Maths, Maths Ginie, onmaths, corberttmaths.

All have topic-based questions, papers and predicted papers.

What do I need to remember about this exam?

- Use Belief/Source/Impact in all of your answers.
- C questions use the word 'BECAUSE' at least 3 times to fully explain.
- D questions – give 2 views, evaluate if it is a strong or weak argument and finish with a conclusion

What do I need to revise for this exam?

Section 1: Life & Death

- Is death the end? Paranormal and non-religious beliefs
- Catholic views on life after death
- Resurrection- St Paul's letter to Corinthians
- Judgement – Parables Rich man and Lazarus/Sheep and Goats
- Assisted suicide and euthanasia
- Catholic Church's view on euthanasia/palliative care and hospices
- The Magisterium and Second Vatican council
- Funeral rites
- The paschal candle and beliefs in the resurrection
- The purpose of Prayer
- The meaning of the 'Our Father' – Lord's prayer
- Catholic art: Sarcophagus with scenes of the passion and Music used in worship e.g. Faure's Requiem used at funerals

Key words for Paper 2:

Death
Eternal life
Heaven
Hell
Soul
Judgement
Magisterium
Resurrection
Absolutism
Relativism
Forgiveness
Punishment
Salvation
Sin

Section 2: Sin & Forgiveness

- Crime and sin
- Morality – absolutism and relativism
- Theories of Punishment – retribution, reform, protect, deterrence
- Catholic teaching on forgiveness – e.g. 77times, turn the other cheek
- Capital punishment
- Catholic teaching on capital punishment – St Augustine/ Pope John Paul II
- Salvation
- Hell or mercy? Does God forgive everyone? Is hell empty?



Where can I find help with revision?

- Use the knowledge organisers your teacher has given you
- Check your class team for revision PowerPoints/resources.
- Log on to teams the night before to listen in to a live revision session (also recorded to watch later)
- Mr McMillan on YouTube – EDUQAS Route B exam board

What do I need to remember about this exam?

You will be given two unseen non-fiction texts to read. You will need to answer four questions about them.

You will then need to write a letter/article/speech expressing your opinions.

What do I need to revise for this exam?

Section A

- Timings for each question.
- Selecting information from texts.
- Summarising the similarities/differences between texts.
- Analysing the language and structure of a text.
- Methods/subject terminology.
- Comparing the viewpoints of the writers.

Section B

- Writing to argue.
- Writing to persuade.
- Writing to explain.
- Writing letters, speeches and articles.
- Using a wide vocabulary.
- Using appropriate language devices.
- Using a range of punctuation.
- Using a range of sentence types.
- Varying paragraph lengths.

Where can I find help with revision?

BBC Bitesize. YouTube.
AQA website for past papers.

What do I need to remember about this exam?

Challenge of Natural Hazards
 Living World
 UK Physical Landscapes – Coasts
 UK Physical Landscapes - Rivers

What do I need to revise for this exam?

Question 1: Challenge of Natural Hazards	Question 2: The Living World	Question 3: UK Physical Landscapes - Coasts	Question 4: UK Physical Landscapes - Rivers
<p>Including:</p> <p>Tectonic Hazards</p> <ul style="list-style-type: none"> • Plate boundaries and formation of Volcanoes/ Earthquakes • Location of Volcanoes/ Earthquakes • Cause, Effects and Responses to Earthquakes in a HIC (L’Aquila) and LIC (Haiti) and how they differ • Why people live in areas of tectonic activity (Iceland) • Monitoring Volcanoes and Earthquakes <p>Weather Hazards</p> <ul style="list-style-type: none"> • Structure, formation and location of Tropical Storms • Example of the cause, effect and response to a tropical storm (Hurricane Katrina) • Monitoring tropical storms • Extreme weather in the UK • Cause, effect and response to an extreme weather event in the UK (Beast from the East) <p>Climate Change</p> <ul style="list-style-type: none"> • Physical and human causes of climate change • Effects of climate change • Mitigation and Adaptation responses to climate change 	<p>Including:</p> <ul style="list-style-type: none"> • Location of Biomes • Nutrient Cycle and Food Webs • Factors that affect the climate in different biomes <p>Tropical Rainforests</p> <ul style="list-style-type: none"> • Location, climate characteristics, soil structure and reasons for biodiversity • Plants structure and types found in the rainforest and how they adapt to the conditions • Animals found in the rainforest and how they adapt to the conditions <p>Case Study: Amazon Rainforest</p> <ul style="list-style-type: none"> • Causes of deforestation • Effects of deforestation • Sustainable management techniques to prevent deforestation <p>Cold Environments</p> <ul style="list-style-type: none"> • Location, climate characteristics, soil structure and reasons for biodiversity • Plants structure and types found in the rainforest and how they adapt to the conditions • Animals found in the rainforest and how they adapt to the conditions • Example of the opportunities and challenges in cold environments (Alaska) • Issues with fragility in cold environments • Sustainable management techniques to protect cold environments 	<p>Including:</p> <ul style="list-style-type: none"> • Processes that effect coasts (Weathering, Erosion, Mass Movement, Transportation, Longshore Drift) • Geology of the coastline • Formation of features by erosion (headlands and bays, wave cut notches, wave cut platforms, caves, arches, stacks and stumps) • Formation of features by deposition (Beaches, sand dunes, spits, bars and tombolo’s) • Coastal Management techniques • Issues with Coastal Erosion (Holderness Coastline) 	<p>Including:</p> <ul style="list-style-type: none"> • Processes that effect rivers (Erosion, Transportation) • The long and cross profile of a river • Formation of features by erosion (V-Shaped Valley, Waterfalls, Plunge Pools, Gorges) • Formation of features by erosion and deposition (Meanders and Oxbow Lakes) • Formation of features by deposition (Floodplains, Levees, Estuaries) • Causes of Flooding and the drainage basin system • Flood Hydrographs • Flood Management techniques • Issues and solutions to River Flooding (Somerset Levels)

Where can I find help with revision?

Teams has Knowledge organisers, Revision PowerPoints and Revision Cards

www.internetgeography.net/ffc (Click on each week 1-7 to help revise each topic)

Exam: Chemistry Paper Tier F **Length of Exam:** 1h 45m **Date:** 13/11/24

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line.

Periodic table: Use the key for mass number and atomic (proton) number

What do I need to revise for this exam?

- Atoms and structure
- History of the atom
- Elements, compounds and atom
- Periodic table and the history of it
- Separation techniques
- Bonding and structure
- Fullerenes and nanoparticles
- Formula and equations
- Reactivity
- Atom economy, masses and % yield
- Acid and alkali reactions
- Titrations RP
- Electrolysis and fuel cells

Where can I find help with revision?

Educake <https://www.educake.co.uk/>

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line.

Periodic table: Use the key for mass number and atomic (proton) number

What do I need to revise for this exam?

- Periodic table and noble gases
- Periodic table and group 1 and oxygen
- Bonding - all covalent, ionic and metallic
- Reactivity of metals
- Reactions with acids and metals
- Relative formula masses and percentages
- Electrolysis
- Making salts and crystallisation
- W.S. Variables

Where can I find help with revision?

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<https://www.freesciencelessons.co.uk/videos/>

Exam: Com Science Chemistry Paper H **Length of Exam:** 1h 15m **Date:** 13/11/24

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line.

Periodic table: Use the key for mass number and atomic (proton) number

What do I need to revise for this exam?

- Periodic table and noble gases
- Periodic table and group 1 and oxygen
- Bonding - all covalent, ionic and metallic
- Reactivity of metals
- Reactions with acids and metals
- Relative formula masses and percentages
- Electrolysis
- Making salts and crystallisation
- W.S. Variables
- History of the periodic table
- Group 7 of the periodic table
- Avogadro constant and calculations
- Half equations
- Group 1 reactivity and observations
- Structure and bonding – be prepared for big markers.

Where can I find help with revision?

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<https://www.freesciencelessons.co.uk/videos/>

Exam: Chemistry Paper Tier H **Length of Exam:** 1h 45m **Date:** 13/11/24

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line.

Periodic table: Use the key for mass number and atomic (proton) number

What do I need to revise for this exam?

- Atoms and structure
- History of the atom
- Elements, compounds and atom
- Periodic table and the history of it
- Separation techniques
- Bonding and structure
- Fullerenes and nanoparticles
- Formula and equations
- Reactivity
- Atom economy, masses and % yield
- Acid and alkali reactions
- Titrations RP
- Electrolysis and fuel cells
- Bond energy
- Half equations
- Oxidation
- Practical design.

Where can I find help with revision?

Educake <https://www.educake.co.uk/>

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

What do I need to remember about this exam?

1. Read all instructions carefully. Be clear as to exactly what each question wants.
2. Answer in the correct language.
3. Don't panic – if you stay calm you will be able to understand something. Be positive. Concentrate on what you do understand.
4. Ensure your answer is clear e.g. do not try to change an 'A' to a 'B'. Cross out any incorrect answers and replace it with the correct answer.
5. Use your knowledge of grammar. For example, it may be important to know whether someone is talking about the past or the future.
6. Use your time wisely. Stay calm and ensure you are preparing yourself for what you will hear. Annotate the question. What are you listening for? Set the context.
7. Use the example – how much are you required to write? Do you need an infinitive + a noun? The example will show you the level of detail required. Look at the marks the question is worth – if it is worth two marks you will probably need to make two points etc.
8. Be aware in listening – 1a / 1b = you will hear 1a x2 then 1b x2 but 1.1 / 1.2 / 1.3 = you will hear all of the text for that question twice and then move on to the next question.
9. Answers in target language in listening paper – this is simply transcription. Use your phonics, be as accurate as you can.
10. Do not leave gaps – if you really have absolutely no idea – look at the example for guidance and then write an answer for your question – try to make an educated guess.

What do I need to revise for this exam?

Everything! You need vocabulary on all topics for this component!

Hints and Tips for success:

- Vocabulary learning is key. It is essential to learn the vocabulary we have been covering in class and anything from the wider topic which may show from the class notes. If a word comes up that you do not know, use your strategies. Look for cognates and near cognates, use process of elimination and word families. Remember to look at your vocab lists and practise on languagenut.

Where can I find help with revision?

Revising vocabulary for the listening & reading exams

- Use Language Nut (you have your own log ins) 20 mins a day (4x5min slots) is proven to be the most successful way to learn vocabulary. This vocabulary is key to success in each skill. If you don't know the word, you won't get the answer right!
- Use BBC bitesize and quizlet (Sign up for free via the attached welcome link or you will have to pay <https://quizlet.com/join/T3ZUzMegr>)
- Use the revision guides and vocabulary booklets you were given by your teacher (if you have misplaced it, ask for another one)

What do I need to remember about this exam?

We recommend starting with the last question – translation as it is worth the most marks – ensure you complete the paper and get these valuable marks.

Translation to English

- Annotate the text – what tense are you in? What is the person of the verb? Check your translation against the target language text and ensure you have translated the correct person and the correct time frame.
- Proof read – you are a fluent English speaker, if it does not make sense something is wrong – look over it and correct.
- Attempt every part – marks are available for various areas – secure the marks by making educated guesses where needed.

Rest of Reading Paper

1. Read all instructions carefully. Be clear as to exactly what each question wants.
2. Answer in the correct language.
3. Don't panic – if you stay calm you will be able to understand something. Be positive. Concentrate on what you do understand. We have spent a great deal of time working towards analysing a text. You can do this, follow your training!
4. Ensure your answer is clear e.g. do not try to change an 'A' to a 'B'. Cross out any incorrect answers and replace it with the correct answer.
5. Use your knowledge of grammar. For example, it may be important to know whether someone is talking about the past or the future.
6. Use your time wisely. Stay calm and ensure you are preparing yourself for what you will read. Annotate the question. What are you reading for? Set the context.
7. Use the example – how much are you required to write? Do you need an infinitive + a noun? The example will show you the level of detail required. Look at the marks the question is worth – if it is worth two marks you will probably need to make two points etc.
8. Do not leave gaps – if you really have absolutely no idea – look at the example for guidance and then write an answer for your question – try to make an educated guess.

What do I need to revise for this exam?

Everything! You need vocabulary on all topics for this component!

Hints and Tips for success:

- Vocabulary learning is key. It is essential to learn the vocabulary we have been covering in class and anything from the wider topic which may show from the class notes. If a word comes up that you do not know, use your strategies. Look for cognates and near cognates, use process of elimination and word families. Remember to look at your vocab lists and practise on languagenut.
- Translation to English – proofread. If it does not make sense to you who are fluent in English, it is incorrect and so you must check it over. Check the verbs- are you using the correct person of the verb?

Where can I find help with revision?

Revising vocabulary for the listening & reading exams

- Use Language Nut (you have your own log ins) 20 mins a day (4x5min slots) is proven to be the most successful way to learn vocabulary. This vocabulary is key to success in each skill. If you don't know the word, you won't get the answer right!
- Use BBC bitesize and quizlet (Sign up for free via the attached welcome link or you will have to pay <https://quizlet.com/join/T3ZUzMegr>)
- Use the revision guides and vocabulary booklets you were given by your teacher (if you have misplaced it, ask for another one)

Exam: History Paper Length of Exam: 2 hours Date: 14/11/24 AM

What do I need to revise for this exam?

Germany

- ❑ **Part One: Germany and Growth of Democracy** = The Kaiser – parliamentary government, Prussian militarism, industrialisation, socialism, naval laws, Impact of WW1 – Economic problems, defeat, abdication, occupation of the Ruhr and Hyperinflation, Weimar Republic – political unrest 1919-1923 (Spartacists, Kapp Putsch, Munich Putsch), Stresemann recovery (1924-1929)
- ❑ **Part Two: Germany and the Depression** = Growth in support for the Nazis – 1928-1932, Hitler's appeal, Failure of democracy – elections and chancellors (Von Papen, Von Schleicher), Hitler appointed as Chancellor, Establishing the dictatorship – Reichstag Fire, Enabling Act, Elimination of political opposition, trade unions, Night of Long Knives, Fuhrer
- **Part Three: Experiences of the Germans under Nazi Rule** = Economic Changes – benefit, employment, public works, rearmament, self-sufficiency, impact of WW2, Social Changes – Hitler Youth and Education, Women, Religion, Persecution, Final Solution, Control – Goebbels, propaganda, censorship, culture, police state (Himmler, SS, Gestapo), Opposition – White Rose, Swing Youth, Edelweiss Pirates, July 1944 Bomb Plot

Health and the People

- ***Factors which influence Medicine through time – Chance, Government, Communication, Religion, Individuals, Science and Technology, War***
- ❑ **Medieval** - Hippocrates & Galen, Medieval doctors i.e., training, beliefs about causes of illness, Christianity and Islam (Hospitals), Surgery – ideas, techniques, Public Health i.e., towns, monasteries and the Black Death
- ❑ **Renaissance - 're-birth'**, works of Vesalius, Pare and Harvey, opposition to change, New methods of treating disease, Great Plague 1665, growth of hospitals, changes to status and training of surgeons and physicians – John Hunter, Edward Jenner and vaccinations
- ❑ **Industrial** – Pasteur, Koch, Microbes, Anaesthetics (Simpson, chloroform), Antiseptics (Lister, Carbolic Acid), Public Health – cholera epidemics, public health reformers – John Snow, Bazalgette, Public Health Acts and role of local and national governments
- ❑ **Modern** – Magic bullets, pharmaceutical industry – Penicillin and Fleming, Florey and Chain, antibiotic resistance and alternative treatments. Impact of war – plastic surgery, blood transfusions, X Rays, Transplant surgery, radiation therapy, Public Health Reforms – Boer War, Booth and Rowntree, Liberal Reform, Beveridge Report and Welfare State, NHS.

How do I answer the exam questions?

Germany / 40	Medicine /44
1.How do the authors of Interpretations A and B differ? [4 Marks] CONTENT	1.How useful (factual) is Source A to an historian studying _____? [8 Marks] CONTENT, PROVENANCE, UTILITY
2.Why do the authors of Interpretations A and B differ? [4 Marks] PROVENANCE	2. Explain the significance of [8 Marks] i.e., an individual, an event, a contribution, a development (short term, long term)
3.Which interpretation do you find most convincing about ____? [8 Marks] CONTENT – NEVER PROVENANCE	3. Explain two ways... and... were they similar. [8 Marks] i.e., individuals, developments, events
4.Describe two _____. [4 Marks]	4. Has the role of [factor] been the main factor in the development of _____ [theme]? [16 Marks + 4 SPAG] • FACTORS - Chance, Government, Communication, Religion, Individuals, Science and Technology, War • THEMES – Public Health, Surgery, Medicine, Causes of Illness, Treatment of Illness
5.In what ways were ____ affected by _____? [8 Marks]	
6.Which of the following was the most important reason for _____? • Bullet Point One • Bullet Point Two [12 Marks]	

On the Health and the People mock paper there will not be a question 4 [16mark question], instead this will be replaced by two 8mark questions.

Where can I find help with revision?

Exercise Books ,BBC Bitesize, Tiktok - @MrA tk oHistoryTeacher, YouTube, CleverLilii

What do I need to remember about this exam?

You will have a calculator

- Write down everything you type in your calculator for method marks.
- Reset your calculator at the start of the exam or ask for a new one if you don't think it is giving correct answers.
- Answer everything on the paper.

What do I need to revise for this exam?

Expanding brackets (U768, U606)
Factorising (U365)
Simultaneous equations (U760)
Compound interest (U332)
Venn diagrams (U748)
Solving linear equations (U870)
Ratio (U921)
Changing the subject of a formula (U191)
Bearings (U107)
Histograms (U983, U267, U814)
Volume (U617, U116)
Error intervals (U657, U301)
Expanding three brackets (U606)
Tree diagrams (U58, U729)
Proportion (U407, U138)
Converting between recurring decimals and fractions (U689)
Line segments – midpoints and lengths (U933, E112)
Sine and cosine rule (U952, U591)
Trig area of a triangle (U592)
Iteration (U168, U434)
Vector geometry (U781)
Functions (U895, U448, U996)
Algebraic fractions (U824, U457)
Percentage profit (U671)
Trigonometry (U164)

Where can I find help with revision?

Websites: Sparx Maths, Maths Ginie, onmaths, corberttmaths.

All have topic-based questions, papers and predicted papers.

Exam: Maths Paper 2 F Length of Exam: 1 hr 30m Date: 14/11/24 PM

What do I need to remember about this exam?

You will have a calculator

- Write down everything you type in your calculator for method marks.
- Reset your calculator at the start of the exam or ask for a new one if you don't think it is giving correct answers.
- Answer everything on the paper.

What do I need to revise for this exam?

Factors, multiples and primes(U739)
Expanding brackets (M237)
Quadratic graphs (U989)
Percentages of amounts(M437)
3D shapes (M767)
Combinations (M755)
Square numbers
Worded probability (M655)
Converting fractions, decimals and percentages (M958, M3267)
Speed, distance, time (U151)
Area (M900, M390, M610, M291, M705)
Proportion (M478)
Two way tables (M899)
Stem and leaf diagrams (M648, M210)
Angle facts (U655)
Transformations (U134)
Bearings(U107)
Factorising (U365)
Changing the subject of a formula (U191)
Percentage profit (M533)
Compound interest (U332)
Solving linear equations(U870)
Ratio (M885, M525)
Simultaneous equations (U760)
Volume (M722)
Trigonometry(M212, M380, M646)
Ratio (M543)

Where can I find help with revision?

Websites: Sparx Maths, Maths Ginie, onmaths, corberttmaths.

All have topic-based questions, papers and predicted papers.

Exam: Physics Paper Tier H **Length of Exam:** 1h 45m **Date:** 15/11/24

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line,

What do I need to revise for this exam?

Length of wire required practical

Energy and efficiency

Energy resources, renewable and non-renewable

Energy: gravitational and kinetic

Electricity, domestic supply

Equations

Solid, liquid and gas

Specific latent heat

Specific heat capacity

Density

Models of the atom, alpha particle scattering

Nuclear equations, ionisation, decay

Properties of radioactive substances

Scientific skills; resolution, % calculations, reproducibility and comparing data

Higher

Mains/home electricity

Thermal conductivity

Errors

Static electricity

Resistance in electricity

Internal energy

Where can I find help with revision?

Educake <https://www.educake.co.uk/>

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<https://www.freesciencelessons.co.uk/videos/>

Exam: Physics Paper Tier F **Length of Exam:** 1h 45m **Date:** 15/11/24

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line,

What do I need to revise for this exam?

Length of wire required practical

Energy and efficiency

Energy resources, renewable and non-renewable

Energy: gravitational and kinetic

Electricity, series and parallel

Resistance

Equations

Solid, liquid and gas

Specific latent heat

Specific heat capacity

Density

Models of the atom, alpha particle scattering

Nuclear equations, ionisation

Radioactive decay and half life

Scientific skills; resolution, % calculations, reproducibility and comparing data

Where can I find help with revision?

Educake

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

Exam: Com Science Physics Paper H **Length of Exam:** 1h 15m **Date:** 15/11/24

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line,

What do I need to revise for this exam?

Energy types and transfers

Energy efficiency

Renewable and non-renewable sources

Electricity and components

Investigating electricity - resistance and components

Electricity calculations

Series and parallel circuits

Internal energy and specific latent heat

States of matter

Particle theory

Gases, structure and pressure

Models of the atom

Atomic structure

Graph skills

Scientific skills; errors and analogue results

Higher:

Resistance and circuit component (diagrams and uses)

Mains electricity

Specific heat capacity

Properties of radioactive substances

Decay equations

Half life calculations

Where can I find help with revision?

Educake

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

Exam: Com Science Physics Paper F **Length of Exam:** 1h 15m **Date:** 15/11/24

What do I need to remember about this exam?

Show all your working out in the calculations and do the equation with the values before you rearrange.

Remember to convert units

Use volume, mass or a measurement do not use the work AMOUNT

Answer all the questions and 1 point per mark – 6 marks = 6 points.

Line of best fit can be a smooth curve or a straight line,

What do I need to revise for this exam?

Energy efficiency

Renewable and non-renewable sources

Energy types and transfers

Electricity and components

Investigating electricity - resistance and components

Electricity calculations

Plugs

Internal energy and specific latent heat

States of matter

Particle theory

Gases, structure and pressure

Models of the atom.

Atomic structure

Radiation, properties of radioactive substances and decay

Half life

Graph skills

Scientific skills; errors and analogous results

Where can I find help with revision?

Educake

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

What do I need to remember about this exam?

- There are 3 questions, and all 3 questions need to be answered. There will be a choice of 2 questions for the 90-word task and a choice of 2 questions for the 150-word task. Only complete 1 x 90 word and 1 x 150 word.
- Do not forget to complete the Translation question (Q3)
- When writing it is essential to use 3-time frames (past, present & future).
- Justify opinion phrases using a connective such as *porque / dado que / justo que / ya que*.
- Don't be too repetitive, do not repeat the same vocabulary / adjectives more than twice.
- Think about what you can say rather than what you want to say.
- **Can you upgrade your work? Use a variety of complex structures where possible.**

What do I need to revise for this exam?

- Key Vocabulary.
- Grammar – you must revise tense formation.

This will help you with ensuring accurate grammar is included!

Past	Present	Future
Time Phrases - Past ayer - yesterday el año pasado - last year cuando era pequeña - when I was younger	Time Phrases - Present normalmente - normally todos los días - every day cada noche - every evening	Time Phrases - Future mañana - tomorrow el día siguiente - the next day el fin de semana próximo - next weekend en el futuro - in the future
Key Verbs Era - I used to be Iba - I used to go / Fui - I went Fue - it was Tuve - I had / Tenía - I used to have Hice - I did Jugué - I played Vi - I saw Tomé (el sol) - I sunbathed Comí - I ate Bebí - I drank Viví - I lived / Vivía - I used to live Trabajé - I worked Estudí - I studied Ayudé - I helped Me gustaba - I used to like Odiaba - I used to hate	Key Verbs Soy - I am Voy - I go Es - it is Tengo - I have Hago - I do Juego - I play Veo - I see Tomo (el sol) - I sunbathe Como - I eat Bebo - I drink Vivo - I live Trabajo - I work estudio - I study ayudo - I help me gusta - I like Odio - I hate	Key Verbs Seré - I will be / sería - I would be Iría - I would go Sería - it would be Tendría - it would have Haría - I would do Jugaría - I would play Vería - I would see Tomaría (el sol) - I would sunbathe Comería - I would eat Bebería - I would drink Viviría - I would live Trabajaría - I would work Estudiaría - I would study Ayudaría - I would help Me gustaría - I would like Odiaría - I would hate
Excellent Vocab to know muy - very mucho - a lot bastante - quite poco - a little sin embargo - however	Excellent expressions to use donde se puede - where you can donde es posible - where it is possible si tuviera la oportunidad - if I had the opportunity si tuviera más tiempo - if I had more time	Your own additions

Remember to use spicy phrases to upgrade your work!

Instead of writing this...	Write this...
...es...	...puede ser ...
<i>Mi hermano es molesto</i>	<i>Mi hermano puede ser molesto</i>
Me gusta...	Siempre me ha gustado...
<i>Me gusta la historia</i>	<i>Siempre me ha gustado la historia</i>
No me gusta...	No aguanto ...
<i>No me gusta el fútbol</i>	<i>No aguanto el fútbol</i>
... porque es divertido	... porque me hace reír
<i>Me gusta ver las comedias porque es divertido.</i>	<i>Me gusta ver las comedias porque me hacen reír.</i>
... porque es aburrido	... porque me aburre
<i>Nunca leo porque es aburrido</i>	<i>Nunca leo porque me aburre</i>
... porque es relajante	... porque me relaja
<i>Me gusta hacer deporte porque es relajante</i>	<i>Me gusta hacer deporte porque me relaja</i>
Normalmente	Suelo ...
<i>Normalmente voy al cine con mis amigos</i>	<i>Suelo ir al cine con mis amigos</i>

Where can I find help with revision?

- **EZigZag Revision** <https://erevision.uk/> you will have received an email with instructions to follow to set up an account. This is an excellent resource to practise all 3 examined skills (listening, reading and writing).
- **Languagenut**. The department has paid for all pupils in the school to have a languagenut account. Pupils have been given their username and password and if anyone has forgotten it, they should ask their teacher to reset it. Revision has been assigned on the app / website and pupils can complete extra revision across all topics.

Exam: Biology Paper Tier H Length of Exam: 1h 45m Date: 18/11/24

What do I need to remember about this exam?

Accurately label diagrams

Read all the questions, look at the number of marks and plan your answers

There may be different names for enzymes, animals or plants than those you have looked at..

What do I need to revise for this exam?

Plotting graphs and calculating means

Cell structure and function

Light and electron microscopes

Food tests required practical and digestive system

Transpiration

Transport -diffusion and osmosis

Photosynthesis and limiting factors

Disease and human defence systems (specific and non-specific)

Malaria

Aseptic technique require practical

Respiration (aerobic and anaerobic) and fermentation

The heart and valve replacement

Cancer

Enzymes

Drug trials and testing

Monoclonal antibodies

Where can I find help with revision?

Educake

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

Exam: Biology Paper Tier F **Length of Exam:** 1h 45m **Date:** 18/11/24

What do I need to remember about this exam?

Accurately label diagrams

Read all the questions, look at the number of marks and plan your answers

There may be different names for enzymes, animals or plants than those you have looked at.

What do I need to revise for this exam?

Plotting graphs and calculating means

Cell structure and function and microscopy

Light and electron microscopes

Food tests and digestive system

Transpiration

Transport -diffusion and osmosis

Photosynthesis and limiting factors

Disease and human defence systems (immunity)

Malaria

Aseptic technique required practical

Respiration (aerobic and anaerobic) and fermentation

Problems with the heart and valve replacements

Where can I find help with revision?

Educake

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

Exam: Com Science Biology Paper H **Length of Exam:** 1hr 15m **Date:** 18/11/24

What do I need to remember about this exam?

Accurately label diagrams

Read all the questions, look at the number of marks and plan your answers

There may be different names for enzymes, animals or plants than those you have looked at.

What do I need to revise for this exam?

Photosynthesis and required practical.

Transpiration- use of potometer

Transport across cell membranes: diffusion and osmosis.

Cell organisation and hierarchy

Microscopes, resolution, calculations

Specialised cells

Pathogens and disease- Malaria

The heart

Medical drug testing

Digestion and enzymes including model gut practical.

Investigation transpiration

Eukaryotic and prokaryotic cells

Bacterial growth

Plant growth and nutrients

Where can I find help with revision?

Educake <https://www.educake.co.uk/>

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

Exam: Com Science Biology Paper F **Length of Exam:** 1hr 15m **Date:** 18/11/24

What do I need to remember about this exam?

Accurately label diagrams

Read all the questions, look at the number of marks and plan your answers

There may be different names for enzymes, animals or plants than those you have looked at.

What do I need to revise for this exam?

Photosynthesis and required practical.

Transpiration

Transport across cell membranes: diffusion and osmosis.

Cell organisation and hierarchy (order of size)

Microscopes and resolution

Specialised cells

Pathogens and disease

The heart and treatments for problems with the heart

Medical drug testing

Digestion and enzymes including model gut practical.

Where can I find help with revision?

Educake <https://www.educake.co.uk/>

Seneca learning <https://senecalearning.com/en-GB/>

<https://www.freesciencelessons.co.uk/videos/>

What do I need to remember about this exam?

You will have a calculator

- Write down everything you type in your calculator for method marks.
- Reset your calculator at the start of the exam or ask for a new one if you don't think it is giving correct answers.
- Answer everything on the paper.

What do I need to revise for this exam?

Converting currency (U610)
Inequalities (M384, M118)
Negative numbers (M527, M106)
Place value (M704)
Equation of a straight line (M888)
Pictograms (M644)
Proportion (M478)
Sequences (M241, M981)
Properties of 2D and 3D shapes (M767, M276)
Ratio (M885, M525)
Converting fractions, decimals and percentages (M958, M3267)
Time (M627)
Rounding (M431, M994)
Collecting like terms (U105)
Frequency trees (U280)
Circumference (U459)
Solving linear equations (U870)
Averages from tables (M127, M287)
Area (M900, M390, M610, M291, M705)
Volume (M722)
Plans and elevations (M229)
Standard form (U161, U53)
Probability (M332)
HCF and LCM (M365)
Inverse proportion (M478)
Speed, distance, time (U151)

Where can I find help with revision?

Websites: Spax Maths, Maths Ginie, onmaths, corberttmaths.

All have topic-based questions, papers and predicted papers.

What do I need to remember about this exam?

You will have a calculator

- Write down everything you type in your calculator for method marks.
- Reset your calculator at the start of the exam or ask for a new one if you don't think it is giving correct answers.
- Answer everything on the paper.

What do I need to revise for this exam?

Probability (U683)

3D Trigonometry and Pythagoras (U170)

Averages from tables (U569)

Inequalities (U759, U133)

Algebraic fractions (U437)

Inverse proportion (U138)

Speed, distance, time (U151)

Quadratic formula (U665)

Equation of a straight line (U477)

Changing the subject of a formula (U191)

Scale drawings (U357)

Standard form (U161, U53)

Force, pressure, area (U527)

Cumulative frequency graphs (U182, U642, U507)

Quadratic sequences (U206)

Similar triangles (U551)

Product rule for counting outcomes (U369)

Completing the square (U397)

Sectors (U373, U221)

Transformations (U134, U766)

HCF and LCM (U250)

Volume (U426)

Transformation of graphs (U455)

Circle theorems (U808)

Bounds (U587)

Where can I find help with revision?

Websites: Sparx Maths, Maths Ginie, onmaths, corberttmaths.

All have topic-based questions, papers and predicted papers.

What do I need to remember about this exam?

You need to answer a question on 'An Inspector Calls' in Section A. There are 4 SPAG marks available for this question. You should spend approx. 45 minutes answering this.

You then need to answer the 'Power and Conflict Poetry' question in Section B. You should spend approx. 45 minutes answering this.

In Section C you must answer two questions on unseen poetry.

What do I need to revise for this exam?

What do I need to revise for this exam?

For 'An Inspector Calls' you need to have a confident understanding of:

- The plot
- The main characters
- Key themes
- Context
- Key quotations (learn some).

For the 'Power and Conflict Poetry' you need to have a strong understanding of these poems:

- Remains
- War Photographer
- Exposure
- Storm on the Island
- Kamikaze

Skills you need to include:

- Analysing the language of the text. Picking key words from quotations to closely analyse.
- Including subject terminology when discussing the methods used by the writer.
- Having a clear line of argument in your response.
- Making relevant links to context.
- For Section B, being able to make points of comparison between the poems.

Where can I find help with revision?

BBC Bitesize

YouTube Mr Bruff videos

AQA website for past papers

Your own copies of the texts

What do I need to remember about this exam?

- Answer all questions
- Read through the multiple-choice questions carefully as they can help you with content for other questions.
- Use the 3-paragraph structure for the 6- and 9-mark questions.

What do I need to revise for this exam?

3.1 The human body and movement in physical activity and sport
3.1.1 Applied anatomy and physiology
3.1.1.1 The structure and functions of the musculoskeletal system
3.1.1.2 The structure and functions of the cardio-respiratory system
3.1.1.3 Anaerobic and aerobic exercise
3.1.1.4 The short and long term effects of exercise
3.1.2 Movement analysis
3.1.2.1 Lever systems, examples of their use in activity and the mechanical advantage they provide in
3.1.2.2 Planes and axes of movement
3.1.3 Physical training
3.1.3.1 The relationship between health and fitness and the role that exercise plays in both
3.1.3.2 The components of fitness, benefits for sport and how fitness is measured and improved
3.1.3.3 The principles of training and their application to personal exercise/training programmes
3.1.3.4 How to optimise training and prevent injury
3.1.3.5 Effective use of warm up and cool down
3.1.4.1 Demonstrate an understanding of how data are collected – both qualitative and quantitative
3.1.4.2 Present data (including tables and graphs)
3.1.4.3 Analyse and evaluate data

Where can I find help with revision?

BBC Bitesize, Youtube, AQA website for past papers, or Mr Raper and Miss Dunning.

What do I need to remember about this exam?

- Section A - The first 20 marks are multiple choice questions – you must attempt all questions in section A.
- Section B – These are all your written answers. Check the marks available for each question, this will indicate how much you are expected to write/how in depth your answer needs to be.
- 10–12-mark questions will always ask you to **analyse** and **evaluate**. To gain maximum marks include an analysis point along with an evaluation point – aim for 5 of each for a 10-mark question and 6 of each for a 12-mark question.

What do I need to revise for this exam?

Topic		Revised
3.2 Food nutrition and health		
Diet, nutrition and health	Health problems and causes of: Bone health – rickets Anaemia	
Macronutrients	Protein – what we need it for, where we get protein from, differences between HBV and LBV proteins. Carbohydrates – two groups, what our bodies need carbohydrates for, definition of complex carbohydrate Fibre – what our bodies need it for, where we get it from, problems with not having enough Fats – what is fat made from, what our bodies need fat for, differences between saturated/unsaturated fats, excess fat and fat deficiency	
Micronutrients	Fat soluble vitamins Water soluble vitamins Preparation of vegetables to retain vitamins	
Nutritional needs	What is happening at the adult life stage, nutrients required and why adults need them Eatwell guide – how much we should eat of each food group	
3.3 Food science		
Raising agents	Biological Chemical	
Properties of fats and oils	Plasticity Aeration Fat molecule structure	
Fruit and veg	Enzymic browning Uses of acids	
Properties of carbohydrates	Dextrinisation Gelatinisation Functions of flour when baking a cake Gluten – what it is and breadmaking	
Cooking of food and heat transfer	The reasons why food is cooked	
	Conduction/ Convection/ Radiation	
Cooking methods	Water based cooking methods	

Where can I find help with revision?

Your teacher will provide you with a revision booklet made up of 4 knowledge organisers. The knowledge organisers provide specific topics for revision along with page numbers linking back to your textbook if you need to use it.

What do I need to remember about this exam?

- You will be assessed on all content you have learnt in Year 10 so far.
- Read and re-read each question before answering to know what you're expected to include.
- Look at the number of marks available and make sure your answer covers enough for each mark.
- Don't be vague! Answers should be specific to what you are discussing.

What do I need to revise for this exam?

Systems Architecture



- The purpose of the CPU
- Common CPU components and their function
- Von Neumann architecture
- How common characteristics of CPUs affect their performance
- The purpose and characteristics of embedded systems
- Examples of embedded systems

Memory & Storage



- The need for primary storage
- The purpose/differences between RAM/ROM
- Virtual memory
- The need for secondary storage
- Common types of storage
- Suitable storage devices/media for given purposes
- Advantages/disadvantages of different storage types
- The units of data storage
- Convert between denary, binary and hexadecimal number systems
- Binary addition and overflow errors
- Binary shifts
- ASCII/Unicode character sets
- Image representation and metadata
- Colour depth and resolution
- Sound sampling (sample rate, duration and bit depth)
- Lossy/Lossless compression

Programming Fundamentals



- The use of variables, constants, operators, inputs, outputs and assignments
- The use of the three basic programming constructs used to control the flow of a program
- Common arithmetic and Boolean operators (AND/OR/NOT)
- The use of data types
- The use of string manipulation
- The use of basic file handling operations
- The use of records to store data
- The use of SQL to search for data
- The use of array data structures (1D/2D)
- How to use functions and procedures
- Random number generation

Boolean Logic



- Simple logic diagrams using AND/OR/NOT
- Truth tables
- Combining Boolean operators using AND/OR/NOT
- Applying logical operators in truth tables to solve problems

Algorithms



- Principles of computational thinking (abstraction, decomposition, algorithmic thinking)
- Identifying inputs, process and outputs of a problem
- Structure diagrams
- Pseudocode/flowcharts
- Identifying common errors
- Trace tables
- Searching algorithms (Binary search, linear search)
- Sorting algorithms (Bubble sort, merge sort, insertion sort)

Where can I find help with revision?



Seneca Learning

<https://senecalearning.com/>



CSNewbs

<https://www.csnewbs.com/>



Computer Science GCSE Guru

<https://www.computerscience.gcse.guru/>



BBC Bitesize

<https://www.bbc.co.uk/bitesize>



YouTube – Craig 'n Dave

<https://www.youtube.com/craigndave>

What do I need to remember about this exam?

There is a range of short – medium length questions worth 50 marks, one extended response question worth 8 marks and two extended response questions worth 6 marks each. A total of 70 marks for the paper. Make sure you check to see how many marks a question is worth before you answer it, so you can get an idea of how much information you need to write down.

Some questions will be based on scenarios in care settings, you will need to apply your knowledge of the R032 unit to give an answer relevant to that scenario.

What do I need to revise for this exam?

- 1.1 Types of care settings
- 1.2 The rights of service users
- 1.3 The benefits to service users' health and wellbeing when their rights are maintained.
- 2.1 Person-centred values and how they are applied by service providers.
- 2.2 Benefits of applying the person-centred values
- 2.3 Effects on service users' health and wellbeing if person-centred values are not applied.
- 3.1 The importance of verbal communication skills in health and social care settings
- 3.2 The importance of non-verbal communication skills in health and social care settings
- 3.3 The importance of active listening in health and social care settings
- 3.4 The importance of special methods of communication in health and social care settings
- 3.5 The importance of effective communication in health and social care settings concerns, and opinions enables them to feel valued and respected.
- 4.1 Safeguarding
- 4.2 Infection prevention
- 4.3 Safety procedures and measures
- 4.4 How security measures protect service users and staff.



Where can I find help with revision?

- Everyone has been given a revision guide to use at home.
- Revision resources available on teams.
- Box of revision resources available in Science 3 - Knowledge Organisers, Flash Cards etc.

Exam: Film Studies **Length of Exam:** 1hr 30mins **Date:** 21/11/24

What do I need to remember about this exam?

This exam is Component 1 which asks you to:

- Compare two US films from different decades
- Demonstrate knowledge and understanding of key developments in film and Film Technology
- Analyse your chosen specialist writing in relation to US independent film.

What do I need to revise for this exam?

A comparative study of two mainstream US films: *Rebel Without a Cause* and *Ferris Bueller's Day Off*.

A demonstration of knowledge of key developments in Film and Film Technology.

An examination of an independent film: *Whiplash*

You will need to demonstrate:

1. knowledge and understanding of elements of film.
2. Apply knowledge and understanding of elements of film, including to: analyse and compare films analyse and evaluate own work in relation to other professionally produced work.
3. Apply knowledge and understanding of elements of film to the production of film or screenplay.

Where can I find help with revision?

You may find the following websites useful:

Eduqas GCSE Film Studies

Youtube – GCSE Film Studies revision

Streaming platforms for copies of the movies

Exam: Music Length of Exam: 1hr 15 mins Date: 21/11/24 PM

What do I need to revise for this exam?

Exam Area	Topic	
The Musical Elements (MAD T-SHIRT)	Melody	
	Harmony	
	Tonality	
	Form and Structure	
	Dynamics	
	Sonority/Timbre/Instruments and Voices	
	Texture	
	Tempo	
	Rhythm	
	Time Signatures/Metre	
Area of Study 1: Musical Forms and Devices	Baroque Music	
	Classical Music	
	Romantic Music	
	Forms: Binary, Ternary, Minuet and Trio, Rondo, Variation, Strophic	
	Devices: Repetition, Contrast, Anacrusis, Imitation, Sequence, Ostinato, Syncopation, Dotted Rhythms, Pedal/Drone, Canon, Conjunct/Disjunct, Broken Chords/Arpeggios, Alberti Bass, Phrasing, Motifs, Chord Progressions, Modulation (Changing Key)	
	Set Work: 'Badinerie' by J.S. Bach for Flute and String Orchestra with Harpsicord (Final Movement, Orchestral Suite No.2 in B Minor, BWV 1067)	
Area of Study 2: Music for Ensemble	Textural Devices: Unison, Chordal, Layered, Melody and Accompaniment, Canon, Countermelody, Monophonic, Homophonic, Polyphonic	
	Chamber Groups (Baroque/Classical/Romantic) e.g. String Quartet	
	Musical Theatre	
	Jazz and Blues	
Area of Study 3: Film Music	Linking all musical elements to the type of film (MAD T-SHIRT)	
	Leitmotifs	
Area of study 4: Popular Music	Pop, Rock, Reggae, Soul, Hip-Hop, Bhangra	
	Fusions of any two styles studied: Classical, Blues, Jazz, Pop, Rock, Reggae, Soul, Hip-Hop	
	Electric Instruments and Effects: Guitars, Synthesizers, Delay, Reverb, Distortion, Looping	
	Structures: 32-bar song form, Verse-Chorus form, 12-Bar blues	
	Set Work: 'Africa' by Toto (released 1982)	
They and Exam Skills	Intervals and Chords/Inversions	
	Key Signatures (up to 4 sharps and flats)	
	Treble Clef, Bass Clef, Alto Clef	
	Rhythm Dictation	
	Pitch Dictation	
	Note Lengths and Rests	
	Cadences - Plagal, Perfect, Imperfect, Interrupted	
	Scale Degrees - Tonic, Subdominant, Dominant	

What do I need to remember about this exam?

Urban Issues and Challenges
 Geographical Skills – map skills, mathematical skills, unfamiliar fieldwork
 Fieldwork – Physical (Hendon) and Human (South Sheilds)

What do I need to revise for this exam?

Question 1: Urban issues and challenges	Section B: Question 4 Unfamiliar Fieldwork Questions	Q5: Own Fieldwork Opportunities Opportunities
<p>Including:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Reasons for Urbanisation <input type="checkbox"/> Megacities <p>Case study of a city in a LIC or NEE: Rio De Janeiro</p> <ul style="list-style-type: none"> <input type="checkbox"/> The location and importance of Rio in a local, national and international point of view <input type="checkbox"/> Causes of growth of the city (natural increase and migration) <input type="checkbox"/> Social opportunities of urban growth (Access to services, health, education, access to resources) <input type="checkbox"/> Economic opportunities of urban growth (how industry can stimulate economic development) <input type="checkbox"/> Challenges of urban growth (Social and Economic) <input type="checkbox"/> Environmental opportunities and challenges of urban growth <input type="checkbox"/> Challenges of squatter settlements (e.g. Rocinha) <input type="checkbox"/> An example of how urban planning is helping the urban poor (Barrio Project) <p>Case study of a city in the UK: London</p> <ul style="list-style-type: none"> <input type="checkbox"/> Location and importance of the city on a local, global and national scale <input type="checkbox"/> Impacts of national (from the UK) and international (from the world) migration has impacted on the city <input type="checkbox"/> Social and Economic opportunities of urban growth (cultural mix, recreation and entertainment, transport) <input type="checkbox"/> Environmental opportunities of urban growth (Urban greening) <input type="checkbox"/> Social and economic challenges of urban growth (urban deprivation, inequalities in housing, education, health and employment and Environmental: dereliction, building on brownfield and greenfield sites and waste disposal, and the impact of urban sprawl on the rural-urban fringe and he growth of commuter settlements) <input type="checkbox"/> Regeneration in London (Stratford regeneration for the Olympics) <input type="checkbox"/> Features of sustainable urban living including energy and water usage, waste disposal, green space, transport. An example of a sustainable city (Curitiba, Brazil) 	<p>Being able to plan and analyse unfamiliar fieldwork topics and ideas</p> <p>Including:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Creating an appropriate questions for a geographical enquiry <input type="checkbox"/> Selecting appropriate ways to measure and record data, including understanding the advantages and disadvantages of each technique <input type="checkbox"/> Selecting appropriate ways to present data including interpreting data and graphs, and being aware of their limitations of each method. <input type="checkbox"/> Use of statistical data (mean, mode, median and range, interquartile range) and the limitations of these methods. <input type="checkbox"/> Describing and analysing fieldwork data 	<p>1. Suitable question for geographical enquiry</p> <ul style="list-style-type: none"> <input type="checkbox"/> The factors that need to be considered when selecting suitable questions/hypotheses for geographical enquiry. <input type="checkbox"/> The geographical theory/concept underpinning the enquiry. <input type="checkbox"/> Appropriate sources of primary and secondary evidence, including locations for fieldwork. <input type="checkbox"/> The potential risks of both human and physical fieldwork and how these risks might be reduced. <p>2. Selecting, measuring and recording data appropriate to the chosen enquiry</p> <ul style="list-style-type: none"> <input type="checkbox"/> Difference between primary and secondary data. <input type="checkbox"/> Identification and selection of appropriate physical and human data. <input type="checkbox"/> Measuring and recording data using different sampling methods. <input type="checkbox"/> Description and justification of data collection methods. <p>3. Selecting appropriate ways of processing and presenting fieldwork data</p> <ul style="list-style-type: none"> <input type="checkbox"/> Appreciation that a range of visual, graphical and cartographic methods is available. <input type="checkbox"/> Selection and accurate use of appropriate presentation methods. <input type="checkbox"/> Description, explanation and adaptation of presentation methods <p>4. Describing, analysing and explaining fieldwork data</p> <ul style="list-style-type: none"> <input type="checkbox"/> Description, analysis and explanation of the results of fieldwork data. <input type="checkbox"/> Establish links between data sets. <input type="checkbox"/> Use appropriate statistical techniques. <input type="checkbox"/> Identification of anomalies in fieldwork data. <p>5. Reaching conclusions Draw evidenced conclusions in relation to original aims of the enquiry.</p> <p>6. Evaluation of geographical enquiry</p> <ul style="list-style-type: none"> <input type="checkbox"/> Identification of problems of data collection methods. <input type="checkbox"/> Identification of limitations of data collected. <input type="checkbox"/> Suggestions for other data that might be useful. <input type="checkbox"/> Extent to which conclusions were reliable.

Where can I find help with revision?

Teams has Knowledge organisers, Revision PowerPoints and Revision Cards
 Internet Geography www.internetgeography.net/tfc
 Your Geography teacher!

What do I need to revise for this exam?

Germany

- ❑ **Part One: Germany and Growth of Democracy** = The Kaiser – parliamentary government, Prussian militarism, industrialisation, socialism, naval laws, Impact of WW1 – Economic problems, defeat, abdication, occupation of the Ruhr and Hyperinflation, Weimar Republic – political unrest 1919-1923 (Spartacists, Kapp Putsch, Munich Putsch), Stresemann recovery (1924-1929)
- ❑ **Part Two: Germany and the Depression** = Growth in support for the Nazis – 1928-1932, Hitler's appeal, Failure of democracy – elections and chancellors (Von Papen, Von Schleicher), Hitler appointed as Chancellor, Establishing the dictatorship – Reichstag Fire, Enabling Act, Elimination of political opposition, trade unions, Night of Long Knives, Fuhrer
- **Part Three: Experiences of the Germans under Nazi Rule** = Economic Changes – benefit, employment, public works, rearmament, self-sufficiency, impact of WW2, Social Changes – Hitler Youth and Education, Women, Religion, Persecution, Final Solution, Control – Goebbels, propaganda, censorship, culture, police state (Himmler, SS, Gestapo), Opposition – White Rose, Swing Youth, Edelweiss Pirates, July 1944 Bomb Plot

Health and the People

- ***Factors which influence Medicine through time – Chance, Government, Communication, Religion, Individuals, Science and Technology, War***
- ❑ **Medieval** - Hippocrates & Galen, Medieval doctors i.e., training, beliefs about causes of illness, Christianity and Islam (Hospitals), Surgery – ideas, techniques, Public Health i.e., towns, monasteries and the Black Death
- ❑ **Renaissance - 're-birth'**, works of Vesalius, Pare and Harvey, opposition to change, New methods of treating disease, Great Plague 1665, growth of hospitals, changes to status and training of surgeons and physicians – John Hunter, Edward Jenner and vaccinations
- ❑ **Industrial** – Pasteur, Koch, Microbes, Anaesthetics (Simpson, chloroform), Antiseptics (Lister, Carbolic Acid), Public Health – cholera epidemics, public health reformers – John Snow, Bazalgette, Public Health Acts and role of local and national governments
- ❑ **Modern** – Magic bullets, pharmaceutical industry – Penicillin and Fleming, Florey and Chain, antibiotic resistance and alternative treatments. Impact of war – plastic surgery, blood transfusions, X Rays, Transplant surgery, radiation therapy, Public Health Reforms – Boer War, Booth and Rowntree, Liberal Reform, Beveridge Report and Welfare State, NHS.

How do I answer the exam questions?

Germany / 40	Medicine /44
1.How do the authors of Interpretations A and B differ? [4 Marks] CONTENT	1.How useful (factual) is Source A to an historian studying _____? [8 Marks] CONTENT, PROVENANCE, UTILITY
2.Why do the authors of Interpretations A and B differ? [4 Marks] PROVENANCE	2. Explain the significance of [8 Marks] i.e., an individual, an event, a contribution, a development (short term, long term)
3.Which interpretation do you find most convincing about ____? [8 Marks] CONTENT – NEVER PROVENANCE	3. Explain two ways... and... were they similar. [8 Marks] i.e., individuals, developments, events
4.Describe two _____. [4 Marks]	4. Has the role of [factor] been the main factor in the development of _____ [theme]? [16 Marks + 4 SPAG] • FACTORS - Chance, Government, Communication, Religion, Individuals, Science and Technology, War • THEMES – Public Health, Surgery, Medicine, Causes of Illness, Treatment of Illness
5.In what ways were ____ affected by _____? [8 Marks]	
6.Which of the following was the most important reason for _____? • Bullet Point One • Bullet Point Two [12 Marks]	

On the Health and the People mock paper there will not be a question 4 [16mark question], instead this will be replaced by two 8mark questions.

Where can I find help with revision?

Exercise Books ,BBC Bitesize, Tiktok - @MrATkOHistoryTeacher, YouTube, CleverLil

**Success doesn't
come from what you do
occasionally, but what you
do consistently.**

