

2025 Y11 Mock Exam Revision information booklet

A LITTLE
PROGRESS
EACH
DAY
ADDS
UP
TO BIG
RESULTS

What do I need to remember about this exam?

Non Calculator

You will have a formula sheet

What do I need to revise for this exam?

Paper 1	Sparx Code
Gradient	U477
Fractional indices	U985
Estimation	U225
Speed	U151
Forming expressions	U105, U662
Angle facts	U655
Box Plots	U879, U837, U507
Factorising	U365, U178, U858, U963
Fractions calculations	U736, U475, U544
Sine Rule	U952
Surds	U633, U338, U872, U499, U707, U281
Functions	U637, U895, U448, U996
Angles in polygons	U427
Relative frequency	U580
Dividing decimals	U868
Pressure / Force / Area	U527, U842
Conditional Probability	U246, U699, U821, U806
Circles/Tangents	U567
Circle Theorems	U808
Vectors	U632, U903, U564, U781, U660
Similarity	U551, U578, U110
Volume	U786, U174, U484, U915, U426

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 1 F **Length of Exam:** 1h 30m

Date: 27/11/25 AM

What do I need to remember about this exam?

Non Calculator

You will have a formula sheet

What do I need to revise for this exam?

Paper 1	Sparx Code
Order of Operations	U976
Functions Machines	M428, M175, Q605, Q878
Solving Equations	U755, U325, U870, U505, U599
Bar Charts	U363, U557
Converting between Fractions/Decimals/Percentages	M264
Multiples	U751
4 Operations	U417, U127, U453
Coordinates	U789
Probability	U803
Factorising	U365, U178
Surface Area	U929, U259
Volume	U786, U174
Dividing Decimals	U868
Estimation	U225
Relative Frequency	U580
Solving Quadratics	U228
Rearranging Equations	U675, U181
Metric Conversions	U388
Measuring Lines and Angles	U447
Midpoint of a Line	U933
Ratios to Fractions	U176

Simplifying Ratio	U993
Two Way Tables	U981
Fractions Calculations	U736, U475, U544
Gradient	U477
Angles in Polygons	U427
Money Problems	M901
Reflection	U799
Straight Line Graphs	U741
Ratio	U577
Angle Facts	U655
Forming Expressions	U105, U662

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
Eucharist
Evangelisation
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. 77 times, 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?
- ☐ The Church as One, Holy, Catholic and Apostolic – The nature/4 marks of the Church.
- ☐ The Church as the Body of Christ
- ☐ Mary as a model for the Church – Faith/Dedication/Discipleship
- ☐ The seven sacraments and salvation – Eucharist – source and summit of Christian life.
- ☐ Evangelisation – spreading the good news of the Gospel
- ☐ Catholic art: the Church building – architecture and internal features.



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 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?

The writing paper is worth 50 marks and 25% of your overall GCSE grade. All instructions are in English. Students are expected to write in Spanish with no dictionaries.

It comprises of three tasks:

QUESTION 1 10 marks- a translation of sentences from English to Spanish requiring a minimum of 50 words.

QUESTION 2 15 marks- a structured writing task of three compulsory bullet points. Students are expected to write approximately 90 words in the target language. They choose between Q2.1 or Q2.2.

QUESTION 3 25 marks- an open-ended writing task of two compulsory bullet points. Students are expected to write approximately 150 words in the target language. They choose between Q3.1 or Q3.2.

What do I need to revise for this exam?

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

- 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.
- Be confident with a range of ten verbs across tenses. Use a whiteboard and test yourself at home.
- Remember to include time phrases and justified opinions across three-time frames.
- Write with details. Aim for at least four conjugated verbs for each bullet points. Include longer sentences and more complex structures. Your teacher in class points to them regularly. Make a list and go through them.

Where Can I find help with revision?

- Go through the pieces of writing done as homework and in class.
- Revise vocabulary from your lists, languagenut and the AQA Vocabulary Book.
- Revise your verb table and test yourself at home with a whiteboard.
- Use the revision guide to brush up your vocabulary, skills and strategies.

What do I need to remember about this exam?

The writing paper is worth 50 marks and 25% of your overall GCSE grade. All instructions are in English. Students are expected to write in French with no dictionaries.

It comprises of three tasks:

QUESTION 1 10 marks- a translation of sentences from English to French requiring a minimum of 50 words.

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- Revise vocabulary from your lists, languagenut and the AQA Vocabulary Book.
- Revise your verb table and test yourself at home with a whiteboard.
- Use the revision guide to brush up your vocabulary, skills and strategies.

What do I need to remember about this exam?

Draw diagrams in pencil.

Identify key words in extended answer questions.

Remember you can bullet point your answers.

Show full working out in calculations.

Substitute the values into the equation before rearranging.

Attempt all questions.

What do I need to revise for this exam? Use your revision guide

Topics	Required Practicals
1. Energy 2. Electricity 3. Particle model of matter 4. Atomic structure	Topic 1: Thermal insulation Topic 2: IV characteristics, length of wire Topic 3 - Density, specific heat capacity.

Working Scientifically

The Scientific Method.....	1
Communication & Issues Created by Science.....	2
Risk.....	3
Designing Investigations.....	4
Collecting Data.....	5
Processing and Presenting Data.....	6
Units and Equations.....	8
Drawing Conclusions.....	9
Uncertainties and Evaluations.....	10

Topic 1 — Energy

Energy Stores and Systems.....	11
Kinetic and Potential Energy Stores.....	12
Specific Heat Capacity.....	13
Conservation of Energy and Power.....	14
Conduction and Convection.....	15
Reducing Unwanted Energy Transfers.....	16
Efficiency.....	17
Energy Resources and their Uses.....	18
Wind, Solar and Geothermal.....	19
Hydro-electricity, Waves and Tides.....	20
Bio-fuels and Non-renewables.....	21
Trends in Energy Resource Use.....	22
Revision Questions for Topic 1.....	23

Topic 2 — Electricity

Current and Circuit Symbols.....	24
Resistance and $V = IR$	25
Resistance and I-V Characteristics.....	26
Circuit Devices.....	27
Series Circuits.....	28
Parallel Circuits.....	29
Investigating Resistance.....	30
Electricity in the Home.....	31
Power of Electrical Appliances.....	32
More on Power.....	33
The National Grid.....	34
Static Electricity.....	35
Electric Fields.....	36
Revision Questions for Topic 2.....	37

Topic 3 — Particle Model of Matter

Density of Materials.....	38
Internal Energy and Changes of State.....	39
Specific Latent Heat.....	40
Particle Motion in Gases.....	41
Revision Questions for Topic 3.....	42

Topic 4 — Atomic Structure

Developing the Model of the Atom.....	43
Isotopes and Nuclear Radiation.....	44
Nuclear Equations.....	45
Half-life.....	46
Background Radiation and Contamination.....	47
Uses and Risk.....	48
Fission and Fusion.....	49
Revision Questions for Topic 4.....	50

Where can I find help with revision?

Educake

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

"Boring blue guy".... <https://www.freesciencelessons.co.uk/videos/>

BBC Bitesize AQA Trilogy

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1. Energy 2. Electricity 3. Particle model of matter 4. Atomic structure	Topic 1: Thermal insulation Topic 2: IV characteristics, length of wire Topic 3 - Density, specific heat capacity.

Working Scientifically

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Uses and Risk.....	48
Fission and Fusion.....	49
Revision Questions for Topic 4.....	50

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Collecting Data.....	5
Processing and Presenting Data.....	6
Units and Equations.....	8
Drawing Conclusions.....	9
Uncertainties and Evaluations.....	10

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Energy Stores and Systems.....	167
Kinetic and Potential Energy Stores.....	168
Specific Heat Capacity.....	169
Conservation of Energy and Power.....	170
Reducing Unwanted Energy Transfers.....	171
Efficiency.....	172
Energy Resources and Their Uses.....	173
Wind, Solar and Geothermal.....	174
Hydro-electricity, Waves and Tides.....	175
Bio-fuels and Non-renewables.....	176
Trends in Energy Resource Use.....	177
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Topic P2 — Electricity

Current and Circuit Symbols.....	179
Resistance and $V = IR$	180
Resistance and I - V Characteristics.....	181
Circuit Devices.....	182
Series Circuits.....	183
Parallel Circuits.....	184
Investigating Resistance.....	185
Electricity in the Home.....	186
Power of Electrical Appliances.....	187
More on Power.....	188
The National Grid.....	189
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Topic P3 — Particle Model of Matter

The Particle Model and Motion in Gases.....	191
Density of Materials.....	192
Internal Energy and Changes of State.....	193
Specific Latent Heat.....	194

Topic P4 — Atomic Structure

Developing the Model of the Atom.....	195
Isotopes and Nuclear Radiation.....	196
Nuclear Equations.....	197
Half-life.....	198
Irradiation and Contamination.....	199
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Communication & Issues Created by Science	2
Risk.....	3
Designing Investigations.....	4
Collecting Data.....	5
Processing and Presenting Data	6
Units.....	8
Drawing Conclusions.....	9
Uncertainties and Evaluations	10

Topic P1 — Energy

Energy Stores and Systems.....	167
Conservation of Energy and Energy Transfers	168
Kinetic and Potential Energy Stores.....	169
Energy Transfers by Heating.....	170
Investigating Specific Heat Capacity	171
Power	172
Reducing Unwanted Energy Transfers	173
Efficiency.....	174
Energy Resources and Their Uses.....	175
Wind, Solar and Geothermal	176
Hydro-electricity, Waves and Tides.....	177
Bio-fuels and Non-renewables.....	178
Trends in Energy Resource Use.....	179

Topic P2 — Electricity

Current and Circuit Symbols.....	180
Resistance and $V = IR$	181
Investigating Resistance.....	182
I-V Characteristics	183
Circuit Devices.....	184
Series Circuits.....	185
Parallel Circuits.....	186
Investigating Circuits.....	187
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Topic P3 — Particle Model of Matter

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Topic P4 — Atomic Structure

The Current Model of the Atom.....	197
Isotopes and Nuclear Radiation	198
Nuclear Equations.....	199
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Irradiation and Contamination.....	201
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BBC Bitesize AQA Trilogy

What do I need to remember about this exam?

Most of the questions on this exam will only ask you to state or identify one thing at a time – some will be multiple choice, but others will be where you must write it out. Everything will link to the MAD T-SHIRT Musical elements and key terms. There will be 1 10-mark essay style question as well which you should answer as bullets points, broken down into the MAD T-SHIRT elements.

What do I need to revise for this exam?

The key terms within the MAD T-SHIRT Musical elements:

- Melody
- Articulation
- Dynamics
- Texture
- Structure

You should also ensure you have revised the content of both set works:
"Badinerie" by J.S. Bach and "Africa" by Toto

"Badinerie":

- Features of Baroque music;
- Features of Motif X and Y (e.g. X is arpeggios of F#m and Bm chords);
- The key changes throughout (modulations) and Tonic – Dominant relations (I-V and V-I);
- The structure (binary form);
- Use of Dominant 7th chords and their locations in the score; and
- Ornamentation (trills and appoggiaturas) and their locations in the score.

"Africa":

- Chord progressions and harmonic rhythms;
- Structure of the song and the length in bars of each section;
- Instrumentation throughout;
- Keys Signatures (B major and A major) and Time Signature (2/2 - Split common);
- Intervals used in the 'instrumental' and 'links' (mainly 4th with some 3rds);
- How vocal harmonies are used throughout;
- How the percussion is used (African percussion added, use of ostinatos etc.)

Where can I find help with revision?

BBC Bitesize website

YouTube revision videos – search "Eduqas Music GCSE revision"

What do I need to remember about this exam?

Areas assessed: Paper 1

- 1) **Challenge of Natural Hazards**
- 2) **Living World**
- 3) **UUK Physical Landscapes – Coasts**
- 4) **UK Physical Landscapes - River**

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
Including: Tectonic Hazards • 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 Weather Hazards • 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) Climate Change • Physical and human causes of climate change • Effects of climate change • Mitigation and Adaptation responses to climate change	Including: • Location of Biomes • Nutrient Cycle and Food Webs • Factors that affect the climate in different biomes Tropical Rainforests • 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 Case Study: Amazon Rainforest • Causes of deforestation • Effects of deforestation • Sustainable management techniques to prevent deforestation Cold Environments • 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	Including: • 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)	Including: • 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?

- 1) Your exercise books contain all the information to help you revise
- 2) Your class team
- 3) BBC Bitesize
- 4) Internet Geography – <https://www.internetgeography.net/>

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?

Paper 2	Sparx Code
Quadratic Graphs	U310, U769
Mass/Density/Volume	U910
Direct Proportion	U721, U640, U407
Quadratic Sequences	U206
Histograms	U185, U814, U983, U267
Scatter Graphs	U199, U277, U128
Iteration	U434, U168
Algebraic Fractions	U103, U437, U294, U685, U457, U824
Circle Theorems	U808
Conditional Probability	U246
Perpendicular Lines	U898
Using a calculator	U926
Forming Equations	U599
Standard Form	U330, U534, U264, U290, U161
Best Value	M681
Currency Conversion	U610
Venn Diagrams	U476, Y748
Bounds	U587
3D Trigonometry	U170
Simultaneous Equations	U760, U757
Product Rule	U369
Percentages	U888, U925, U554, U349
Angles in Polygons	U427
Enlargement	U519, U134

Where can I find help with revision?

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

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Paper 2	Sparx Code
Scatter Graphs	U199, U277, U128
Venn Diagrams	U476, Y748
Quadratic Graphs	U310
Mass/Density/Volume	U388
Converting between Fractions/Decimals/Percentages	M264
Ordering Decimals	U435
Proportional Reasoning	U721
Averages and Range	U526, U456, U260, 291
Types of Number	U211
Simplifying Ratio	U993
Angle Facts	U655
Probability	U803
Percentage Decrease	U671
Reverse Percentages	U286
Enlargement	U519
Factorising	U365, U178
Using a Calculator	U926
Standard Form	U330, U534, U264, U290, U161
Forming Equations	U599
Best Value	M681
Currency Conversion	U610
Time	U902
2D Shapes	U121
Probability Scale	U803
Perimeter	U993
Simplifying Expressions	U105
Real Life Graphs	U652
Scale Drawings	U257
Inequalities on Number Lines	U509

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

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?

Remember to show working out for the calculation questions.
Look at the marks for each question and think about the level of detail needed to gain full marks on the higher marked questions.

What do I need to revise for this exam?

- Introduction to retail business
 - 1.1.1 Types of retail business activity
 - 1.1.2 Types of retail business ownership
 - 1.1.3 The different scale of retail businesses
 - 1.1.4 Aims of retail businesses
 - 1.1.5 Functional areas of retail businesses
 - 1.1.6 The supply chain of retail businesses.
- The retail business environment
 - 1.2.1 The competitive and dynamic environment
 - 1.2.2 The location of retail businesses
 - 1.2.3 External factors and retail businesses
 - 1.2.4 Seasonality and retail businesses.
- 1.3 Using data and recommending solutions to retail business issues
 - 1.3.1 Using retail business data in a variety of different formats
 - 1.3.2 Using mathematical techniques to calculate retail business data
 - 1.3.3 Interpreting retail business data
 - 1.3.4 Making judgements and offering solutions to retail business issues.

Where can I find help with revision?

On our school website – Curriculum >> Curriculum >> Retail business >> Retail business organisers.

<https://stmichaels.bhcet.org.uk/curriculum/our-curriculum/retail-and-business>

Each organiser gives you a breakdown of the different sections of the exam paper.

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: 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.

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, FROM MY OWN KNOWLEDGE
2.Why do the authors of Interpretations A and B differ? [4 Marks] PROVENANCE	2. Explain the significance of [8 Marks] AT THE TIME, OVER TIME, TODAY
3.Which interpretation do you find most convincing about _____? [8 Marks] CONTENT AND OWN KNOWLEDGE	3. Explain two ways... and... were they similar. [8 Marks] i.e., individuals, developments, events TWO POINT, EVIDENCE, EXPLAIN PARAGRAPHS
4.Describe two _____. [4 Marks]	4. Has the role of [factor] been the main factor in the development of _____ [theme]? [16 Marks + 4 SPAG] Stated factor + 2 other factors: Chance, Government, Communication, Religion, Individuals, Science and Technology, War Possible themes: Public Health, Surgery, Medicine, Causes of Illness, Treatment of Illness Over at least TWO time periods: Medieval, Renaissance, Industrial and Modern
5.In what ways were _____ affected by _____? [8 Marks]	
6.Which of the following was the most important reason for _____? • X • Y [12 Marks] PARAGRAPH 1: BULLET POINT 1 PARAGRAPH 2: BULLET POINT 2 CONCLUSION: CLEAR JUDGEMENT – HIGHER MARKS JUDGEMENT CLEAR THROUGHOUT	

Where can I find help with revision?

Exercise Books ,BBC Bitesize, Tiktok - @MrAlkoHistoryTeacher, YouTube, CleverLif , SaveMyExams.com

What do I need to remember about this exam?

The listening paper is worth 50 marks and 25% of your overall GCSE grade.

There are two sections:

SECTION A Listening Comprehension 40 marks - Your understanding of spoken language will be tested with a range of comprehension question types in English requiring non-verbal responses or responses in English. The test consists of a variety of short and longer spoken pieces of language. Students will be required to identify the overall messages, key points, details and opinions from items such as announcements, short conversations, bulletins, podcasts and spoken descriptions.

SECTION B Dictation 10 marks – You will undertake a dictation exercise of short spoken extracts with credit for accurate spelling. The dictation will consist of a minimum of 30 words. You will hear the dictation sentences three times: the first time as a full sentence, the second time in short sections and the third time as a full sentence.

You will have 5 minutes of reading time. Go through each question. Highlight keywords, brainstorm vocabulary, predict answers.

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?

The reading paper is worth 50 marks and 25 % of your overall GCSE grade. No dictionaries are allowed.

It comprises of two sections:

SECTION A Students' understanding of written language will be tested by a range of question types in English requiring non-verbal or responses in English. Students will be required to identify overall messages, key points, details and opinions from items such as public notices and advertisements, extracts from brochures, newspapers, magazines, email and websites.

SECTION B There will be a translation of sentences into English (50 words).

We recommend starting with the translation into 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.
- Proofread. Marks are available for various areas, secure the marks by making educated guesses where needed.

Rest of the paper:

- Read all the instructions carefully. Be clear as to exactly each question wants.
- Don't panic! If you stay calm, you will be able to understand something. Be positive. Concentrate on what you understand.
- Ensure your answer is clear e.g. do not try to change an A to B. Cross out any incorrect answers and replace it with the correct answer.
- Use your knowledge of grammar. For example, it may be important to know whether someone is talking about the past or the future.
- 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.
- Use the example- how much does it require to write? Look at the marks the question is worth. If it is worth two marks, you will probably need to make two points etc.
- Do not leave any 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 verb- are you using the correct person of the verb?

Where can I find help with revision?

- Using languagenut 15 minutes a day 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!
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- Use your revision guide and AQA Vocabulary Book.

What do I need to remember about this exam?

You will have 10 to 12 minutes to prepare alone and without resources a role-play, a read aloud task and a photo card task.

ROLE-PLAY 10 marks- you will bring your notes with you and read from your notes. Spelling does not matter for this component! The role-play will last 1 to 1.5 minute.

READ ALOUD TASK 15 marks- you will read a maximum of 50 words in the target language. After reading the text, you will take part in a short unprepared conversation of the topic of the text. You will be asked four questions. The read aloud task will take 3 to 3.5 minutes.

PHOTO CARD TASK 25 marks- you must describe both photos and aim to give 15 pieces of information overall. The description of the photos will last around 1.5 minute. The follow up conversation will be based on any or all of the three topics from the themes specified on the candidate's card:

Theme 1 People & Lifestyle

Theme 2 Popular Culture

Theme 3 Communication & The World around us

The conversation will last between 4.5 to 5.5 minutes.

What do I need to revise for this exam?

You need to revise and practise all the enquiry questions from all the modules covered in Y10 and Y11: Identity & Culture; Free Time; Customs, Festivals & Traditions; Healthy Living & Lifestyle; Travel, Tourism & Places of interest, Media & Technology.

ROLE-PLAY- make sure you know your question words in the target language. Do you need the formal or informal YOU? Remember that you will have to ask a question. You can always ask "do you like...?".

READ ALOUD- make sure you complete the read aloud tasks from TEAMS and your speaking booklet. The more you read a short text, the better your pronunciation and your confidence.

PHOTO CARD- remember the structure to follow in order to have 15 pieces of information overall: who can you see? Who are they? Where are they? What do they look like? What do they wear? What do they do (3 / 4 verbs)?

FOLLOW UP QUESTIONS- Don't leave it for the last minute as there is a lot to revise! Make some cue cards (question/ answer) and practise ten minutes every day. You can also ask your teacher to record questions and answers on your phone!

Where can I find help for this exam?

Use the cue cards you have prepared with the enquiry questions of all the modules covered so far. For more practice, work with a friend or ask your teacher!

What do I need to remember about this exam?

Do diagrams in pencil

Use keywords and vocabulary

Read all the questions as a rough guide 6 marker questions spend 6-10 minutes on.

You can bullet point your answers and answer all questions

Show all your working in calculation and drop in the values into the equations first then rearrange.

What do I need to revise for this exam?

Chemistry Paper 1 (Topics 1-5)

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes

Required practical content which will be examined:

Making soluble salts (Unit 4)

Electrolysis (Unit 4)

Temperature changes (Unit 5)

[Separate ONLY - Neutralisation (Unit 4)]

Topic 1 — Atomic Structure and the Periodic Table

Atoms.....	12
Elements.....	13
Compounds.....	14
Chemical Equations.....	15
Mixtures and Chromatography.....	16
More Separation Techniques.....	17
Distillation.....	18
The History of The Atom.....	19
Electronic Structure.....	20
Development of the Periodic Table.....	21
The Modern Periodic Table.....	22
Metals and Non-Metals.....	23
Group 1 Elements.....	24
Group 7 Elements.....	25
Group 0 Elements.....	26
Revision Questions for Topic 1.....	27

Topic 2 — Bonding, Structure and Properties of Matter

Formation of Ions.....	28
Ionic Bonding.....	29
Ionic Compounds.....	30
Covalent Bonding.....	31
Simple Molecular Substances.....	32
Polymers and Giant Covalent Structures.....	33
Allotropes of Carbon.....	34
Metallic Bonding.....	35
States of Matter.....	36
Changing State.....	37
Nanoparticles.....	38
Uses of Nanoparticles.....	39
Revision Questions for Topic 2.....	40

Topic 4 — Chemical Changes

Acids and Bases.....	51
Titrations.....	52
Strong Acids and Weak Acids.....	53
Reactions of Acids.....	54
The Reactivity Series.....	55
Separating Metals From Metal Oxides.....	56
Redox Reactions.....	57
Electrolysis.....	58
Electrolysis of Aqueous Solutions.....	59
Revision Questions for Topic 4.....	60

Topic 3 — Quantitative Chemistry

Relative Formula Mass.....	41
The Mole.....	42
Conservation of Mass.....	43
The Mole and Equations.....	44
Limiting Reactants.....	45
Gases and Solutions.....	46
Concentration Calculations.....	47
Atom Economy.....	48
Percentage Yield.....	49
Revision Questions for Topic 3.....	50

Topic 5 — Energy Changes

Exothermic and Endothermic Reactions.....	61
More Exothermic and Endothermic Reactions.....	62
Bond Energies.....	63
Cells and Batteries.....	64
Fuel Cells.....	65
Revision Questions for Topic 5.....	66

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?

Do diagrams in pencil

Use keywords and vocabulary

Read all the questions as a rough guide 6 marker questions spend 6-10 minutes on.

You can bullet point your answers and answer all questions

Show all your working in calculation and drop in the values into the equations first then rearrange.

What do I need to revise for this exam?

Chemistry Paper 1 (Topics 1-5)

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
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5. Energy changes

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Making soluble salts (Unit 4)

Electrolysis (Unit 4)

Temperature changes (Unit 5)

[Separate ONLY - Neutralisation (Unit 4)]

Topic 1 — Atomic Structure and the Periodic Table

Atoms.....	12
Elements.....	13
Compounds.....	14
Chemical Equations.....	15
Mixtures and Chromatography.....	16
More Separation Techniques.....	17
Distillation.....	18
The History of The Atom.....	19
Electronic Structure.....	20
Development of the Periodic Table.....	21
The Modern Periodic Table.....	22
Metals and Non-Metals.....	23
Group 1 Elements.....	24
Group 7 Elements.....	25
Group 0 Elements.....	26
Revision Questions for Topic 1.....	27

Topic 2 — Bonding, Structure and Properties of Matter

Formation of Ions.....	28
Ionic Bonding.....	29
Ionic Compounds.....	30
Covalent Bonding.....	31
Simple Molecular Substances.....	32
Polymers and Giant Covalent Structures.....	33
Allotropes of Carbon.....	34
Metallic Bonding.....	35
States of Matter.....	36
Changing State.....	37
Nanoparticles.....	38
Uses of Nanoparticles.....	39
Revision Questions for Topic 2.....	40

Topic 4 — Chemical Changes

Acids and Bases.....	51
Titration.....	52
Strong Acids and Weak Acids.....	53
Reactions of Acids.....	54
The Reactivity Series.....	55
Separating Metals From Metal Oxides.....	56
Redox Reactions.....	57
Electrolysis.....	58
Electrolysis of Aqueous Solutions.....	59
Revision Questions for Topic 4.....	60

Topic 3 — Quantitative Chemistry

Relative Formula Mass.....	41
The Mole.....	42
Conservation of Mass.....	43
The Mole and Equations.....	44
Limiting Reactants.....	45
Gases and Solutions.....	46
Concentration Calculations.....	47
Atom Economy.....	48
Percentage Yield.....	49
Revision Questions for Topic 3.....	50

Topic 5 — Energy Changes

Exothermic and Endothermic Reactions.....	61
More Exothermic and Endothermic Reactions.....	62
Bond Energies.....	63
Cells and Batteries.....	64
Fuel Cells.....	65
Revision Questions for Topic 5.....	66

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Read all the questions as a rough guide 6 marker questions spend 6-10 minutes on.

You can bullet point your answers and answer all questions

Show all your working in calculation and drop in the values into the equations first then rearrange.

What do I need to revise for this exam?

Topic C1 — Atomic Structure and the Periodic Table

Atoms.....	96
Elements.....	97
Compounds.....	98
Chemical Equations.....	99
Mixtures and Chromatography.....	100
More Separation Techniques.....	101
Distillation.....	102
The History of the Atom.....	103
Electronic Structure.....	104

Development of the Periodic Table.....	105
The Modern Periodic Table.....	106
Metals and Non-Metals.....	107
Group 1 Elements.....	108
Group 7 Elements.....	109
Group 0 Elements.....	110
Revision Questions for Topic C1.....	111

Topic C2 — Bonding, Structure and Properties of Matter

Formation of Ions.....	112
Ionic Bonding.....	113
Ionic Compounds.....	114
Covalent Bonding.....	115
Simple Molecular Substances.....	116
Polymers and Giant Covalent Structures.....	117
Allotropes of Carbon.....	118
Metallic Bonding.....	119
States of Matter.....	120
Changing State.....	121
Revision Questions for Topic C2.....	122

Topic C3 — Quantitative Chemistry

Relative Formula Mass.....	123
The Mole.....	124
Conservation of Mass.....	125
The Mole and Equations.....	126
Limiting Reactants.....	127
Concentrations of Solutions.....	128

Topic C4 — Chemical Changes

Acids and Bases.....	129
Strong Acids and Weak Acids.....	130
Reactions of Acids.....	131
The Reactivity Series.....	132
Separating Metals from Metal Oxides.....	133
Redox Reactions.....	134
Electrolysis.....	135
Electrolysis of Aqueous Solutions.....	136
Revision Questions for Topics C3 & C4.....	137

Topic C5 — Energy Changes

Exothermic and Endothermic Reactions.....	138
More Exothermic and Endothermic Reactions.....	139
Bond Energies.....	140
Revision Questions for Topic C5.....	141

Topic C6 — The Rate and Extent of Chemical Change

Rates of Reaction.....	142
Factors Affecting Rates of Reaction.....	143
Measuring Rates of Reaction.....	144
Two Rates Experiments.....	145
Finding Reaction Rates from Graphs.....	146
Reversible Reactions.....	147
Le Chatelier's Principle.....	148
Revision Questions for Topic C6.....	149

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Read all the questions as a rough guide 6 marker questions spend 6-10 minutes on.

You can bullet point your answers and answer all questions

Show all your working in calculation and drop in the values into the equations first then rearrange.

What do I need to revise for this exam?

Topic C1 — Atomic Structure and the Periodic Table

Atoms.....	96
Elements.....	97
Compounds.....	98
Chemical Equations.....	99
Mixtures.....	100
Chromatography.....	101
More Separation Techniques.....	102
Distillation.....	103
The History of the Atom.....	104
Electronic Structure.....	105
Development of the Periodic Table.....	106
The Modern Periodic Table.....	107
Metals and Non-Metals.....	108
Group 1 Elements.....	109
Group 7 Elements.....	110
Group 0 Elements.....	111
Revision Questions for Topic C1.....	112

Topic C2 — Bonding, Structure and Properties of Matter

Formation of Ions.....	113
Ionic Bonding.....	114
Ionic Compounds.....	115
Covalent Bonding.....	116
Simple Molecular Substances.....	117
Polymers and Giant Covalent Structures.....	118
Structures of Carbon.....	119
Metallic Bonding.....	120
States of Matter.....	121
Changing State.....	122

Topic C3 — Quantitative Chemistry

Relative Formula Mass.....	123
Conservation of Mass.....	124
More on Conservation of Mass.....	125
Concentrations of Solutions.....	126
Revision Questions for Topics C2 & C3.....	127

Topic C4 — Chemical Changes

Acids and Bases.....	128
Reactions of Acids.....	129
The Reactivity Series and Extracting Metals.....	130
Reactions of Metals.....	131
Electrolysis.....	132
Electrolysis of Aqueous Solutions.....	133

Topic C5 — Energy Changes

Exothermic and Endothermic Reactions.....	134
Measuring Energy Changes.....	135
Reaction Profiles.....	136
Revision Questions for Topics C4 & C5.....	137

Topic C6 — The Rate and Extent of Chemical Change

Rates of Reaction.....	138
Factors Affecting Rates of Reaction.....	139
Measuring Rates of Reaction.....	140
More on Measuring Rates.....	141
Graphs of Reaction Rate Experiments.....	142
Working Out Reaction Rates.....	143
Reversible Reactions.....	144
Revision Questions for Topic C6.....	145

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What do I need to remember about this exam?

The listening paper is worth 50 marks and 25% of your overall GCSE grade. You will have five minutes to read and annotate the paper. Go through each question. Highlight keywords, brainstorm vocabulary, predict answers.

There are two sections:

SECTION A Listening Comprehension 40 marks. Your understanding of spoken language will be tested with a range of comprehension question types in English requiring non-verbal responses or responses in English. The test consists of a variety of short and longer spoken pieces of language. Students will be required to identify the overall messages, key points, details and opinions from items such as announcements, short conversations, bulletins, podcasts and spoken descriptions.

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What do I need to revise for this exam?

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

- Using languagenut 15 minutes a day 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!
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What do I need to remember about this exam?

You will have 10 to 12 minutes to prepare alone and without resources a role-play, a read aloud task and a photo card task.

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Spelling does not matter for this component! The role-play will last 1 to 1.5 minute.

READ ALOUD TASK 15 marks- you will read a maximum of 50 words in the target language. After reading the text, you will take part in a short unprepared conversation of the topic of the text. You will be asked four questions. The read aloud task will take 3 to 3.5 minutes.

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SECTION B There will be a translation of sentences into English (50 words).

We recommend starting with the translation into 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.
- Proofread. Marks are available for various areas, secure the marks by making educated guesses where needed.

Rest of the paper:

- Read all the instructions carefully. Be clear as to exactly each question wants.
- Don't panic! If you stay calm, you will be able to understand something. Be positive. Concentrate on what you understand.
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- Use your knowledge of grammar. For example, it may be important to know whether someone is talking about the past or the future.
- 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.
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- Use your revision guide and AQA Vocabulary Book.

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?

Paper 3	Sparx Code
Standard Form	U330, U534, U264, U290, U161
Probability Trees	U558, U729
Stem and Leaf Diagrams	U200, U909
Error Intervals	U657
Transformation of Graphs	U455
Area Under a Curve	U882
Capture/Recapture	U328
Rearranging Equations	U675, U181
Right Angled Trigonometry	U605, U283, U545, U627
Reverse Percentages	U286
Arcs and Sectors	U221, U373
Coordinates	U789, U933
Cones	U523, U116
Simultaneous Equations	U760, U547
Compound Interest and Decay	U332, U988
Ratio	U176, U577, U595, U921
Simplifying Expressions	U105
Index Laws	U235, U694, U662
Similarity	U551, U578, U110
Cosine Rule	U591
Trig Area of a Triangle	U592
Recurring Decimals	U550, U689

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 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?

Paper 3	Sparx Code
Solving Equations	U755, U325, U870
Money Problems	M901
Time	U902
Conversion Graphs	U610
Speed/Distance/Time	U462, U966
Averages From Tables	U569
Standard Form	U330, U534, U264, U290, U161
Probability Trees	U558, U729
Trigonometry	U605, U283, U545, U627
Equation of a Line	U315
Compound Interest	U332
Place Value	U922, U600, U435
Factors	U211
Roots	U851
Properties of 2D and 3D Shapes	U121, U719
Timetables	M963
Forming Expressions	U105, U662
Volume	U786, U174
Fractions of Amounts	U881, U916
Ordering Numbers	U600, U435, U947
Product of Prime Factors	U739
Frequency Polygons	U840
Highest Common Factor	U529
Constructions	U979, U820
Ratio	U577
Error Intervals	U657
Stem and Leaf Diagrams	U200, U909
Index Laws	U235, U694, U662
Simplifying Expressions	U105

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 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
CSNewbs
Computer Science GCSE Guru
BBC Bitesize
YouTube – Craig 'n Dave

<https://senecalearning.com/>
<https://www.csnewbs.com/>
<https://www.computerscience.gcse.guru/>
<https://www.bbc.co.uk/bitesize>
<https://www.youtube.com/craigndave>

Exam: Imedia Length of Exam: 1hr 30 mins Date: 8/12/25 PM

What do I need to remember about this exam?

For the bigger marked questions think about what is good/bad about it and make sure your answers are detailed.

For the pre-planning documents think about what you have created in your controlled assessments and apply your knowlegde.

What do I need to revise for this exam?

- 1.1 Media industry sectors and products
- 1.2 Job roles in the media industry
- 2.1 How style, content and layout are linked to the purpose
- 2.2 Client requirements and how they are defined
- 2.3 Audience demographics and segmentation
- 2.4 Research methods, sources and types of data
- 2.5 Media codes used to convey meaning, create impact and/or engage audiences
- 3.1 Work planning
- 3.2 Documents used to support ideas generation
- 3.3 Documents used to design and plan media products
- 3.4 The legal issues that affect media
- 4.1 Distribution platforms and media to reach audiences
- 4.2 Properties and formats of media files

Where can I find help with revision?

Exam practice booklet

What do I need to remember about this exam?

Read the whole question carefully before attempting to answer it

Use the correct keywords

Remember you can bullet point your answers to 6 mark questions

Show all your working in calculations and remember units and conversions

Answer all questions and if struggling use a process of elimination or have an educated guess!

What do I need to revise for this exam? use the revision guide

Topic 1 — Cell Biology

Cells.....	11
Microscopy.....	12
More on Microscopy.....	13
Cell Differentiation and Specialisation.....	14
Chromosomes and Mitosis.....	15
Binary Fission.....	16
Culturing Microorganisms.....	17
Stem Cells.....	19
Diffusion.....	20
Osmosis.....	21
Active Transport.....	22
Exchange Surfaces.....	23
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More on Exchanging Substances.....	25
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Topic 2 — Organisation

Cell Organisation.....	27
Enzymes.....	28
Investigating Enzymatic Reactions.....	29
Enzymes and Digestion.....	30
More on Enzymes and Digestion.....	31
Food Tests.....	32
The Lungs.....	33
Circulatory System — The Heart.....	34
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Circulatory System — Blood.....	36
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More on Cardiovascular Disease.....	38
Health and Disease.....	39
Risk Factors for Non-Communicable Diseases.....	40
Cancer.....	41
Plant Cell Organisation.....	42
Transpiration and Translocation.....	43
Transpiration and Stomata.....	44
Revision Questions for Topic 2.....	45

Topics	Required Practicals
B1 Cell biology	B1- Microscopy
B2 Organisation	B1 – Culturing microorganisms
B3 Infection and response	B1- Osmosis
B4 Bioenergetics	B2- Food tests
	B2- Enzymes and pH
	B4- Photosynthesis

Topic 3 — Infection and Response

Communicable Disease.....	46
Viral, Fungal and Protist Diseases.....	47
Bacterial Diseases and Preventing Disease.....	48
Fighting Disease.....	49
Fighting Disease — Vaccination.....	50
Fighting Disease — Drugs.....	51
Developing Drugs.....	52
Monoclonal Antibodies.....	53
More on Monoclonal Antibodies.....	54
Plant Diseases and Defences.....	55
Revision Questions for Topic 3.....	56

Topic 4 — Bioenergetics

Photosynthesis and Limiting Factors.....	57
The Rate of Photosynthesis.....	58
Respiration and Metabolism.....	61
Aerobic and Anaerobic Respiration.....	62
Exercise.....	63
Revision Questions for Topic 4.....	64

Where can I find help with revision?

Educake : educake.co.uk

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

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

Speak to your teacher!

Teams class pages and resources

Revision guide

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Cell Organisation.....	27
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Topics	Required Practicals
B1 Cell biology	B1- Microscopy
B2 Organisation	B1 – Culturing
B3 Infection and response	microorganisms
B4 Bioenergetics	B1- Osmosis
	B2- Food tests
	B2- Enzymes and pH
	B4- Photosynthesis

Topic 3 — Infection and Response

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What do I need to revise for this exam? use the revision guide

Topic B1 — Cell Biology

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Microscopy.....	12
More on Microscopy.....	13
Cell Differentiation and Specialisation.....	14
Chromosomes and Mitosis.....	15
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Investigating Enzymatic Reactions.....	26
Enzymes and Digestion.....	27
More on Enzymes and Digestion.....	28
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The Lungs.....	30
Circulatory System — The Heart.....	31
Circulatory System — Blood Vessels.....	32
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More on Cardiovascular Disease.....	35
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Cancer.....	38
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Transpiration and Stomata.....	41
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Topics	Required Practicals
B1 Cell biology B2 Organisation B3 Infection and response B4 Bioenergetics	B1- Microscopy B1- Osmosis B2- Food tests B2- Enzymes and pH B4- Photosynthesis

Topic B3 — Infection and Response

Communicable Disease.....	43
Viral, Fungal and Protist Diseases.....	44
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Fighting Disease — Drugs.....	48
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Topic B4 — Bioenergetics

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Teams class pages and resources

Revision guide

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Use the correct keywords

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What do I need to revise for this exam?

Topics	Required Practicals
B1 Cell biology	B1- Microscopy
B2 Organisation	B1- Osmosis
B3 Infection and response	B2- Food tests
B4 Bioenergetics	B2- Enzymes and pH
	B4- Photosynthesis

Topic B3 — Infection and Response

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

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Teams class pages and resources

Revision guide

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 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, CleverLili

What do I need to remember about this exam?

Areas assessed:

- 1) Challenge of Urban Environments
- 2) Unseen Fieldwork
- 3) Own Fieldwork (Hendon/South Shields)

What do I need to revise for this exam?

Question 1: Challenge of Urban Environments	Section B: Question 4 Unfamiliar Fieldwork Questions	Q5: Own Fieldwork Opportunities
Including: - Reasons for Urbanisation - Megacities Case study of a city in a LIC or NEE: Rio De Janeiro - The location and importance of Rio in a local, national and international point of view - Causes of growth of the city (natural increase and migration) - Social opportunities of urban growth (Access to services, health, education, access to resources) - Economic opportunities of urban growth (how industry can stimulate economic development) - Challenges of urban growth (Social and Economic) - Environmental opportunities and challenges of urban growth - Challenges of squatter settlements (e.g. Rocinha) - An example of how urban planning is helping the urban poor (Barrio Project) Case study of a city in the UK: London - Location and importance of the city on a local, global and national scale - Impacts of national (from the UK) and international (from the world) migration has impacted on the city - Social and Economic opportunities of urban growth (cultural mix, recreation and entertainment, transport) - Environmental opportunities of urban growth (Urban greening) - 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 the growth of commuter settlements) - Regeneration in London (Stratford regeneration for the Olympics) - Features of sustainable urban living including energy and water usage, waste disposal, green space, transport. An example of a sustainable city (Curitiba, Brazil)	Being able to plan and analyse unfamiliar fieldwork topics and ideas Including: - Creating an appropriate questions for a geographical enquiry - Selecting appropriate ways to measure and record data, including understanding the advantages and disadvantages of each technique - Selecting appropriate ways to present data including interpreting data and graphs and being aware of their limitations of each method. - Use of statistical data (mean, mode, median and range, interquartile range) and the limitations of these methods. - Describing and analysing fieldwork data	1. Suitable question for geographical enquiry - The factors that need to be considered when selecting suitable questions/hypotheses for geographical enquiry. - The geographical theory/concept underpinning the enquiry. - Appropriate sources of primary and secondary evidence, including locations for fieldwork. - The potential risks of both human and physical fieldwork and how these risks might be reduced. 2. Selecting, measuring and recording data appropriate to the chosen enquiry - Difference between primary and secondary data. - Identification and selection of appropriate physical and human data. - Measuring and recording data using different sampling methods. - Description and justification of data collection methods. 3. Selecting appropriate ways of processing and presenting fieldwork data - Appreciation that a range of visual, graphical and cartographic methods is available. - Selection and accurate use of appropriate presentation methods. - Description, explanation and adaptation of presentation methods 4. Describing, analysing and explaining fieldwork data - Description, analysis and explanation of the results of fieldwork data. - Establish links between data sets. - Use appropriate statistical techniques. - Identification of anomalies in fieldwork data. 5. Reaching conclusions Draw evidenced conclusions in relation to original aims of the enquiry. 6. Evaluation of geographical enquiry - Identification of problems of data collection methods. - Identification of limitations of data collected. - Suggestions for other data that might be useful. - Extent to which conclusions were reliable.

Where can I find help with revision?

- 1) Your exercise books contain all the information to help you revise
- 2) Your class team
- 3) BBC Bitesize
- 4) Internet Geography – <https://www.internetgeography.net/>

What do I need to remember about this exam?

- Some questions will be context-based, meaning that the questions are based on care scenarios. You will have to apply your knowledge to produce a response that is relevant to that care setting.
- Some questions will be fact- and knowledge-based. These questions will not be based on any particular care setting.
- There is a mixture of recall questions as well as several longer response questions.
- The exam is worth a total of 70 marks:
 - 50 marks from short response questions
 - 20 marks from extended response questions (1x8 marks and 2x6 marks)
- You will expect to find a wide range of questions types, including:
 - One-word answers (1 mark)
 - Multiple choice
 - Short answer (2-4 marks)

What do I need to revise for this exam?

The rights of Service Users	1.1	Types of care settings
	1.2	The rights of service users
	1.3	Benefits to service users when rights are maintained
Person-centred values	2.1	Person-centred values and how they are applied by service providers
	2.2	Benefits of applying person-centred values
	2.3	Effects on services users if person-centred values are not applied
Effective Communication	3.1	Importance of verbal communication
	3.2	Importance of non-verbal communication
	3.3	Importance of active listening skills
	3.4	Importance of special methods of communication
	3.5	Importance of effective communication
Protecting service users	4.1	Safeguarding
	4.2	Infection Prevention
	4.3	Safety procedures and measures
	4.4	How security procedures protect service users and staff

Where can I find help with revision?

Please refer to your revision guides that you were given.

Take your workbook home to help with revision material.

Revision material available on TEAMS.

Knowledge Organisers available from Miss Flynn and Mrs Booth



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		
Healthy eating guidelines linking to 5 a day		
The Eatwell guide		
Foods high in fat, sugar and salt – linking to takeaways		
Planning healthy meals		
Increasing fibre in dishes		
Healthy bones and teeth – focus on osteoporosis and ways to improve bone health		
3.3 Food science		
Dextrinisation		
Shortening – linking to pastry making		
Gelatinisation – you must revise key temperatures		
Common faults when making pastry		
Common problems when making bread		
3.4 Food safety		
Best before and use by dates		
Storing food safely		
Food safety while preparing, cooking and serving food		
YOU MUST REVISE KEY TEMPERATURES LINKING TO FOOD SAFETY		
3.5 Food choice		
Factors influencing food choice		
3.6 Food Provenance		
Food processing – jam making		
Free range food identifying advantages and disadvantages. You also need to revise examples of free-range foods.		

Where can I find help with revision?

Your teacher will provide you with a revision booklet linking to the topics above. The knowledge organisers in the booklet 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 could be tested on anything listed below.
- Some questions will ask you to recall information to show you know and understand what you have learnt.
- In other questions, you'll be given some details about a scenario or an establishment, and you will have to apply your knowledge and skills to the situation presented in the question.
- Look at the number of marks available to give you an idea of how much you need to write and how long you should spend answering it.

Make sure you read the questions carefully, so you know how many things it is asking for.

What do I need to revise for this exam?

Unit 1: Section 1. Hospitality and Catering Provision

- Non-Commercial Provision
- Commercial Provision
- Employment roles
- Standards and ratings

Unit 1: Section 2. How Providers Operate

- Operational requirements
- Equipment and materials
- Dress code
- Customer expectations
- Meeting customers' needs



Unit 1: Section 3. Health & Safety

- Hazard Analysis and Critical Control Points
- Food hazards and symptoms
- Food intolerances
- Food allergies and food poisoning
- Preventing Food-induced ill-health
- Risk assessments
- Accident forms

Unit 2: Section 1. The Importance of Nutrition

- Nutrients and Fats
- Proteins and Carbohydrates
- Fibre, Water and Minerals
- Vitamins
- A balanced diet
- Nutrition at different life-stages
- Special dietary needs-life
- Special medical needs-Personal beliefs
- Special dietary needs - Medical conditions



Where can I find help with revision?

- Use your knowledge organisers that the teacher has given you
- Study Rockets Level 2 Hospitality and catering WJEC free revision notes.
- WJEC Level ½ Vocational Award in Hospitality & Catering: revision Guide
- Flash cards with cram WJEC catering revision

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

