

November Mock Exams Revision Lists

In this document you will find revision guidance for your mock exams. All subjects should be listed below. After the half term, this document will also be available on the website, but for now it has been posted on WEDUC and sent to you via email.

Contents

1. English Language	2
2. Maths	3
Foundation Maths	3
Higher Maths	4
3. Science.....	5
4. History	6
5. Geography.....	7
6. Spanish.....	8
7. French	9
8. Computer Science	10
9. Statistics.....	11
10. Religious Studies	11
11. Art	12
12. 3D Design.....	12
13. Photography	12
14. Hospitality & Catering	12
15. Business Studies	13
16. Creative iMedia	14
17. Drama	14
18. Music	14
19. Media Studies	15
20. Health & Social Care	15
21. Travel & Tourism	15
22. GCSE PE	16

1. English Language

2. Maths

Foundation Maths

Foundation Non-Calculator	Foundation Calculator
Metric conversion	Percentage to fraction
Simplify an expression	Fraction of amount
Reflection	Factors
Place value	Simplify an expression
Order FDP	Use of a calculator
Pictograms	Draw a quadrilateral
Money problems	Interpret a table
Bar Charts	Linear sequences - continue and interpret
Sequences in digrams	Properties of 3D shapes
Negative numbers	Probability scale
Add fractions	Find probability
Multiply fractions	Multiplication and division problems
Probability	Express one number as a fraction of another
Substitution	Scale diagrams and bearings
Estimation	Median and range
Related facts from a calculation	Compare two distributions
Speed, distance, time	Draw isosceles triangle
Frequency Trees	Expand an expression
Probability from frequency trees	Solve a linear equation
Recipes	Round to significant figures
Increase by a percentage	Fractions and percentage problems
Area of a rectangle problem	Angle in parallel lines
Stem and leaf diagrams	Lowest common multiple
Solve linear inequalities	Pythagoras' Theorem
Volume of a cylinder	Substitution and solving equations
Prime factorisation	Subject of the fomrula
Ratio, fraction & percentage problem	Problems involving ration
Standard form	Best buys
Angles in polygons	Frequency polygons
Quadratic graphs (plot and roots)	Speed, distance and time
Density, mass, volume	Forming an expression with area
Exact trig ratios	Converting compound units
	Reverse percentages

Higher Maths

Higher non-calculator	Higher Calculator
Solve a linear inequality	Pythagoras' Theorem
Prime factorisation	Substitution and solving equations
Ratio, fractions and percentages problems	Subject of the formula
Standard form	Problems involving ratio
Angles in polygons	Best buys
Quadratic graphs (plot and roots)	Frequency polygons
Density, mass, volume	Speed, distance and time
Mean from grouped frequency table	Forming an expression with area
Surface area	Gradient of straight line
Cumulative frequency curves	Compound depreciation
Problem involving ratio and probability	Index Laws
Recurring decimal as fraction	Product rule for counting (combinations)
Pythagoras' Theorem	SOH CAH TOA
Area of circles	Vectors
Estimate the gradient of a curve	Factorise an expression
Area under a curve	Expand triple brackets
Vectors	Circle theorem proof
Independent Probability	Error interval and bounds
Direct and inverse proportion	Histograms
Fractional and negative indices	Area of a trapezium
Algebraic fractions	3D Trig and Pythag
Equation of a tangent to a circle	Algebraic fractions
Area of shaded regions	Conditional probability
	Find the intersection points of a curve and a line

3. Science

Biology	B1-cell biology B2-organisation B3-Infection and response B4-bioenergetics
Chemistry	C1-atomic structure and periodic table C2-structure and bonding C3-quantitative chemistry C4-chemical changes C5-energy changes
Physics	P1-energy P2-electricity P3-particle model P4-atomic structure

4. History

Medicine Paper	- Fighting that led to injury in the First World War - Blood transfusions in the First World War - Caring for the wounded in the First World War - Comparing the Great Plague (1665) with the cholera outbreak (1854) - Impact of Germ Theory (1861) on medical change. - Impact of the Four Humours on medicine. - Improvements in hospital care after 1800.
Germany Paper	- Hyperinflation in 1923 - Growth in support for the Nazi Party - Nazi Education and policies towards young people. - Economy and work for German people under the Nazis.

Question types	<u>Medicine Paper</u>	
	Q1a. Describe one feature of... [2]	} British Sector of the Western Front (WW1)
	Q1b. Describe one feature of... [2]	
	Q2a. How useful are Sources A and B... [8]	
	Q2b. Source follow-up question [4]	
	Q3. Explain one similarity/difference... [4]	} Medicine
	Q4. Explain why... [12]	
	Q5/6. How far do you agree with the statement? [16+4 spag]	

Question types	<u>Germany Paper</u>	
	Q1. Give two things you infer from Source A about... [4]	
	Q2. Explain why... [12]	
	Q3a. How useful are Sources B and C... [8]	
	Q3b. What is the main difference between the interpretations? [4]	
	Q3c. Why do the interpretations give different views? [4]	
	Q3d. How far do you agree with Interpretation 2 about... [16+4 spag]	

5. Geography

Section A – The challenge of natural hazards

- Identifying types of natural hazards
- Effects and responses to natural hazards in contrasting areas of wealth
- Extreme weather in the UK and its impacts
- Emissions of greenhouse gases and their effects on climate change
- Reducing the causes of climate change (mitigation)
- Reducing the effects of tropical storms

Section B – The living world

- Plant adaptations in the tropical rainforest
- The importance of the tropical rainforest
- Causes of desertification

Section C – Question 4: Rivers

- Types of transportation
- Hydrographs and river discharge
- Formation of a waterfall
- Soft engineering

Geography Mock Exam Revision List – Paper 2 (Human)

Section A – Urban issues and challenges

- Urbanisation
- Reasons for growth of LIC/NEE cities
- Social and economic opportunities in LIC/NEE cities

Section B – The changing economic world

- Social measures of development
- Causes of uneven development
- Consequences of population decline in the rural landscape of the UK

Section C – The challenge of resource management (Question 3 and Question 4: Food)

- Organic farming
- Water quality and pollution in the UK
- Physical factors affecting food supply
- Increasing sustainable food supply (seasonal food consumption and reducing food waste)

Geography Mock Exam Revision List – Paper 3 (Fieldwork)

Section B – Fieldwork

- TITLES OF YOUR HUMAN AND PHYSICAL FIELDWORK ENQUIRY
- Primary and secondary data and its uses
- Sampling strategies
- Data collection methods
- Evaluation of fieldwork (did your fieldwork answer your enquiry question?)

6. Spanish

Students will sit four papers (each worth 25%): Listening, speaking, reading, writing.

Identity and relationships with others

- ¿Qué tipo de persona eres?
- ¿Cómo son tus amigos?
- ¿Cómo es la familia moderna?
- ¿Cómo sería tu pareja ideal?

Healthy living and lifestyle

- ¿Estás en forma?
- ¿Eres sano?
- ¿Te gusta la comida española?
- ¿Qué vas a comer?

Communication and the Word Around Us

- ¿Cómo es tu pueblo?
- ¿Qué haces para proteger el medio ambiente?
- ¿Dónde te gustaría vivir?

Communication and the World Around Us

- ¿Qué es lo bueno y lo malo de las redes sociales?
- ¿Cómo usas tu móvil?
- ¿Cómo será la tecnología en el futuro?

Be aware that content could come up from ALL THREE themes:

Theme 1: People and lifestyle

- Topic 1: Identity and relationships with others
- Topic 2: Healthy living and lifestyle
- Topic 3: Education and work

Theme 2: Popular culture

- Topic 1: Free-time activities
- Topic 2: Customs, festivals and celebrations
- Topic 3: Celebrity culture

Theme 3: Communication and the world around us

- Topic 1: Travel and tourism, including places of interest
- Topic 2: Media and technology
- Topic 3: The environment and where people live

7. French

Students will sit four papers (each worth 25%): Listening, speaking, reading, writing. Either higher or foundation.

Identity and relationships with others

Qui suis-je? Who am I?

Quelle est ta personnalité? What is your personality like?

Quels sont tes projets? What are your plans?

Comment est ta famille? What is your family like?

Comment sont tes parents? What are your parents like?

Comment est ton/ta meilleur ami(e)? What is your best friend like?

Healthy living and lifestyle

Qu'est-ce que tu manges? What are you eating?

C'est quoi le problème? What is the problem?

Comment rester en bonne santé? How to stay healthy?

Quelles sont tes habitudes? What are your habits?

Qu'est-ce que tu as fait hier? What did you do yesterday?

Qu'est-ce que tu feras pour rester en bonne santé? What will you do to stay healthy?

Education and work

Comment est ton collège? What is your school like?

Comment est ta journée scolaire? What is your school day like?

Voudrais-tu aller au lycée? Would you like to go to college?

Comment serait ton école de rêve? What would your dream school be like?

Quel métier pour toi? Which profession/job is for you?

C'est important, le stage en entreprise? Is work experience important?

Free-time activities

Qu'est-ce que tu as fait le weekend dernier? What did you do last weekend?

Qu'est-ce que tu aimes comme films? What kind of films do you like?

Tu vas faire du sport? Are you going to do sports?

Customs, festivals and celebrations

Quelle est ta fête préférée? What is your favourite celebration/festival?

Tu faisais la fête? Were you partying?

Tu as fait la fête? Did you party?

Les fêtes dans le passé ou le futur? Celebrations in the past or the future?

On y va au festival? Are we going to the festival?

Be aware that content could come up from ALL THREE themes:

Theme 1: People and lifestyle

- Topic 1: Identity and relationships with others
- Topic 2: Healthy living and lifestyle
- Topic 3: Education and work

Theme 2: Popular culture

- Topic 1: Free-time activities
- Topic 2: Customs, festivals and celebrations
- Topic 3: Celebrity culture

Theme 3: Communication and the world around us

- Topic 1: Travel and tourism, including places of interest
- Topic 2: Media and technology
- Topic 3: The environment and where people live

8. Computer Science

1.1 Systems Architecture

1.2 Memory and storage

1.3 Computer networks, connections and protocols

1.4 Network Security

1.5 System Software

1.6 ELCE Issues

2.1 Algorithms

2.2 Programming fundamentals

9. Statistics

All students will sit one 1 hour 30-minute paper, either foundation or higher.

Higher	Foundation
Primary and secondary data	Basic probability and scales
Choropleth maps	Bar charts and compound bar charts
Drawing box plots	Mean, median, mode, range
Comparing data sets	Tally charts
Stratified sampling	Appropriate averages
Relative risk	Evaluate a data collection plan
Reading cumulative frequency graphs	Sampling techniques
Stem and leaf diagrams	Scatter graphs
Spearman's rank	Compare spearman's rank coefficients
Identifying variables	Data cleaning
Index numbers	Choropleth maps
Geometric mean	Drawing box plots
Evaluate a data collection plan	Comparing data sets
Scatter graphs and regression lines	Stratified sampling
	Relative risk
	Reading cumulative frequency graphs

10. Religious Studies

1. Christianity and Islam – 1 hour 15 minutes

Students will complete normal exam questions, following the structure of 1, 1, 4, 6 and 12 mark questions on the following topics: Christian and Islamic beliefs, and Christian practices. Students have been given revision guides and will receive a document this week, outlining the breakdown of topics, however this will not be surprising to them, as it is the topics they have studied in full over the last year.

2. Themes – 1 hour 15 minutes

Students will complete normal exam questions, following the structure of 1, 1, 4, 6 and 12 mark questions on the following topics: Theme A relationships and families, and Theme E Crime and punishment. Students have been given revision guides and will receive a document this week, outlining the breakdown of topics, however this will not be surprising to them, as it is the topics they have studied in full over the last year.

11. Art

4-hour practical mock

Plot drawing – 1 hour

Personal response – 3 hours

12. 3D Design

4-hour practical mock

Clay structure / CAD – 1 hour

Personal outcome – 3 hours

13. Photography

4-hour practical mock

Photoshoot – 1 hour

Practical or digital edit – 2 hours

Evaluation – 1 hour

14. Hospitality & Catering

1 paper – 1 hour 20 minutes

1.1 and 1.2 Provision and operation

1.3 Health and safety

1.4 Food safety

15. Business Studies

1. Business activity

1.1 The role of business enterprise and entrepreneurship

1.2 Business planning

1.3 Business ownership

1.4 Business aims and objectives

1.5 Stakeholders in business

1.6 Business growth

2. Marketing

2.1 The role of marketing

2.2 Market research

2.3 Market segmentation

2.4 The marketing mix

3. People

3.1 The role of human resources

3.2 Organisational structures and different ways of working

3.3 Communication in business

3.4 Recruitment and selection

3.5 Motivation and retention

3.6 Training and development

3.7 Employment law

16. Creative iMedia

17. Drama

Theatre Makers in Practice: 1 hour 45 minutes

Section A: An Inspector Calls

Performer – 4-mark question

Performer – 6-mark question

Director – 9-mark question

Director – 12-mark question

Designer – 14-mark question

Section B: Live Theatre Evaluation

Analyse – 6-mark question

Evaluate - 9-mark question

18. Music

We have just completed Component 1 and will be reviewing and improving:

1. Powerpoint showing aspects of piano house, 50s rock and roll, 80s rock, minimalism and film music
2. Two compositions
3. A performance

We have also just started Component 2 which involves:

1. Completing a composition and performance
2. Reviewing your skills
3. Planning how to improve the skills identified
4. Improving
5. Documenting your improvement

19. Media Studies

20. Health & Social Care

Task 4: 2 hours – Skills, attributes and values in health and social care

Task 5: 3 hours – Obstacles to receiving care, and how these can be overcome using skills, attributes and values

21. Travel & Tourism

22. GCSE PE

Component and Topic	Page numbers in GCSE PE Revision Guide
Component 1 Topic 1.1 – Musculo-Skeletal System	Pages 1 - 14
Component 1 Topic 1.2 – Cardio-Respiratory System	Pages 15 - 23
Component 1 Topic 1.3 – Aerobic and Anaerobic Exercise	Page 24
Component 1 Topic 1.4 – Short and Long-Term Effects of Exercise	Pages 25 – 26; 60 - 64
Component 1 Topic 2.1 – Lever Systems	Pages 27 - 28
Component 1 Topic 2.2 – Planes and Axes of Movement	Pages 29 - 30
Component 1 Topic 3.1 – Relationship Between Health and Fitness	Pages 31 - 32
Component 1 Topic 3.2 – Components of Fitness	Pages 33 - 46
Component 1 Topic 3.3 – Principles of Training	Pages 47 - 59
Component 1 Topic 3.5 – Optimising Training and Preventing Injury	Pages 65 - 77
Component 1 Topic 3.6 – Warm Ups and Cool Downs	Pages 78 - 79