

Subject: Geography

Exam board: Edexcel (Specification B)

You need to KNOW:

Paper 1

Topic 1 - Hazardous Earth

You will need to revise:

- Structure of the Earth
- Plate boundaries
- Volcano formation and hazards
- Earthquake hazards – including the Haiti 2010 and Japan 2011 case studies
- Strategies for reducing the impacts of tectonic hazards.
- The global atmospheric system
- Theories of natural and human climate change
- Evidence of natural and human climate change
- Formation and characteristics of tropical cyclones
- Climate hazards – including Hurricane Katrina and Typhoon Haiyan
- Strategies for reducing the impacts of climate hazards

Topic 2 - Development Dynamics

You will need to revise:

- Ways of measuring development using social, economic and political indicators
- Theories of development including Rostow's Modernisation Theory and Frank's Dependency Theory
- Top-down development and bottom-up development, including the Three Gorges Dam and Moser Lamp case studies
- India's location and economic context
- Inequality in India between social groups, including age groups and castes
- Inequality in India between regions
- Impacts of development in India (social, economic and environmental)
- India's changing international role

Topic 3: Challenges of an Urbanising World

You will need to revise:

- The causes of urbanisation, including push and pull factors
- Types of migration
- Consequences of urbanisation (social, economic and environmental)
- Global patterns of urbanisation / megacities
- Typical employment sectors in urban areas
- Location and land-use of Mumbai

- Impacts of urbanisation in Mumbai (social, economic and environmental)
- Top-down and bottom up development strategies in Mumbai

Paper 2

Topic 4: Changing UK Physical Landscape

You will need to revise:

- Formation and distribution of UK rock types (sedimentary, igneous and metamorphic)
- Impact of glaciation on the physical landscape of the UK
- Impact of humans on the physical landscape of the UK
- Coastal processes (types of erosion, transportation and deposition)
- Coastal landforms (erosional and depositional)
- Human impact on the coast (including land-use)
- Coastal management strategies (hard and soft engineering)
- Impacts of coastal erosion – Holderness Coast case study
- The Long Profile of a river (including characteristics of upper, middle and lower course)
- River processes (types of erosion, transportation and deposition)
- River landforms (erosional and depositional)
- Human impact on rivers (including adjacent land-use)
- River management strategies (hard and soft engineering)
- Causes and consequences of river flooding – River Severn case study

Topic 5: Changing UK Human Landscape

You will need to revise:

- Characteristics of the UK's urban and rural human landscapes
- Distribution of population in the UK
- Characteristics of the UK economy
- Urban-rural interdependence
- Location and land-use in Birmingham
- Population (demography) of Birmingham
- Push and pull factors; migration to and from Birmingham
- Sustainable development strategies in Birmingham
- Regeneration, gentrification and studentification in Birmingham

Topic 6: Geographical Investigations

- The enquiry process – conducting a geographical investigation
- Sampling strategies
- Data collection methodologies – rivers and urban environments
- Data presentation techniques
- Data analysis techniques

How to revise KNOWLEDGE in this subject:

- Flash cards for key terms and definitions – write the key term on one side and the definition on the other. Check your understanding by reading the key term and recalling the definition, and vice-versa. Flash cards can also be used for case studies, or for evaluating management techniques.
- Drawing annotated diagrams of key processes – e.g. the formation of coastal / river landforms or of types of migration. These might be flow diagrams (e.g. steps in a process) or show a landform (e.g. a volcano, a headland / bay).
- Complete past paper questions / exam style questions, followed by self-marking using your exercise book / revision guide / online resources.
- Creating mind-maps to make links between topics / key ideas.
- Creating Venn diagrams to compare case studies – e.g. identifying similarities and differences in the impacts of the Japan / Haiti earthquakes.

How to practise the SKILLS required to be successful in this subject:

- Complete past papers / exam style questions – particularly focusing on numeracy / graphs / map / essay based questions. Ask your teacher to mark these and give you feedback.
- Using online sites to practice map skills – e.g. Ordnance Survey mapzone.

Key websites:

- BBC Bitesize; <https://www.bbc.co.uk/bitesize/examspecs/zsytxsg>
- Physics and Maths Tutor; <https://www.physicsandmathstutor.com/geography-revision/gcse-edexcel-b/>
- Mrs Geography on YouTube; https://www.youtube.com/channel/UCSvaPV28QoRphH7Y_idLfDA/videos

Online platforms recommended:

- GCSE Pod
- Seneca Learning (see MS Teams)

Wider reading/ watching recommended:

- Slumdog Millionaire (Mumbai depth study) – available on various streaming sites.
- Secrets of India: The Economic “Miracle (India depth study) – <https://www.youtube.com/watch?v=WGkKjtduZSc>