

UNIT 1 - HYDROLOGY AND FLUVIAL GEOMORPHOLOGY

Content

- The drainage basin system: terminology & processes
- Inputs, outputs, stores & flows
- Rainfall and the drainage basin
- Hydrographs & their components
- River channel processes and landforms
- Load transport, erosion, discharge: Hjulstrom Curve
- The human impact:
- Floods & droughts; prediction, causes & effects

Resources & ICT

- AS and A Level Geography textbook
- <http://bmalevelgeography.weebly.com>
- scoop.it Geography at BM page
- Worksheets, Keynote presentations
- Internet research: news websites and YouTube clips

Types of assessment

- Past AS exam questions
- Case study research reports
- Diagrams & fill-in-the-blank hydrological cycle/drainage basin
- Vocabulary worksheets
- Factual quizzes
- End of unit test

Students to Know

- Vocabulary related to the global hydrological cycle & drainage basin system
- The drainage basin as a system: inputs, outputs, stores & flows
- The different channel processes, landforms and patterns of flow

Students to Understand

- The human impact on channel flows
- The influence of rainfall on hydrographs
- What causes flooding and droughts
- The impact of flooding/drought on a particular region

Students to be able to Do

- Graphs of river regimes
- Interpretation of hydrographs & Hjulstrom Curve
- Sketches and identification of river channel landforms
- Identify and explain contemporary examples of flooding/drought

Cross curricular links

- Earth Science; hydrological cycle
- History & Economics; Aral Sea case study
- Mathematics; hydrographs, river regime graphs

Differentiation incl. EAL

- Vocabulary focus worksheets
- Extra questions for advanced students

Learning styles activities

- Groupwork
- Large & small group discussion
- Individual research and presentation
- Data interpretation & graphing
- YouTube clips & news reports
- Diagrams & sketches
- Lectures
- Vocabulary drills
- Formal quizzes & tests



Benjamin Franck / Public domain

Global citizenship, internationalism, local environment

- Local river regimes (Switzerland)
- Contemporary examples of droughts/flooding (regional or international)
- The Aswan Dam case study
- The Nile River Delta case study
- The Aral Sea case study

UNIT 2 - ATMOSPHERE AND WEATHER

Content

- Local energy budgets: day & night
- Weather phenomena associated with local energy budgets (mist, fog, dew, temperature inversions, land & sea breezes)
- Global energy budget
- Pressure & wind belts
- Ocean currents
- Global distribution of temperature, pressure & wind
- Atmospheric moisture, humidity & precipitation
- Stability, instability & conditional instability; resultant weather phenomena
- Greenhouse effect & global warming
- Urban vs rural climates

Resources & ICT

- AS and A Level Geography textbook
- <http://bmalevelgeography.weebly.com>
- scoop.it Geography at BM page
- Worksheets, Keynote presentations
- Internet research: news websites and YouTube clips
- Past AS exam questions

Students to Know

- Specific vocabulary related to atmosphere & weather
- The six factor daytime energy budget
- The four factor night-time energy budget
- The processes of changes to atmospheric moisture

Students to Understand

- The causes of atmospheric stability, instability & conditional instability
- The causes of different weather phenomena
- The human impact on climate & weather
- The different arguments related to global warming

Students to be able to Do

- Draw diagrams of the day & night time energy budgets
- Draw a diagram of the greenhouse effect
- Explain and sketch different weather processes & phenomena
- Interpret maps and diagrams showing patterns of atmospheric pressure, temperature & winds
- Identify and explain the different causes of the greenhouse effect & global warming

Cross curricular links

- Earth Science; weather processes
- Economics; Kyoto Protocol & cost
- PSHE; global warming debates

Types of assessment

- Past AS exam questions
- Case study research reports
- Diagrams & annotations
- Vocabulary worksheets
- Factual quizzes
- End of unit test

Differentiation incl. EAL

- Vocabulary focus worksheets
- Extra questions for advanced students

Learning styles activities

- Groupwork
- Large & small group discussion
- Individual research and presentation
- Data interpretation & graphing
- YouTube clips & news reports
- Diagrams & sketches
- Lectures
- Vocabulary drills
- Formal quizzes & tests



Sea of fog over Central Switzerland.

Markus Bernet (MRB) / CC BY-SA 2.5

Global citizenship, internationalism, local environment

- The debate on global warming: different perspectives & action by different countries
- Kyoto protocol & the Stern Report
- Urban heat islands: Atlanta, USA and Kuching, Malaysia
- Temperature inversions in Switzerland



UNIT 3 - ROCKS AND WEATHERING

Content

- Elementary plate tectonics
- Global patterns of plates
- Divergent & convergent plate boundaries
- Landforms associated with plate boundaries
- Physical & chemical weathering processes
- Peltier diagram
- Effectiveness of weathering in different climates
- Slope development
- Processes of mass movement
- Impact of human activities on rocks, weathering & slopes

Resources & ICT

- AS and A Level Geography textbook
- <http://bmalevelgeography.weebly.com>
- scoop.it Geography at BM page
- Worksheets, Keynote presentations
- Internet research: news websites and YouTube clips
- Past AS exam questions

Types of assessment

- Past AS exam questions
- Case study research reports
- Diagrams & annotations
- Vocabulary worksheets
- Factual quizzes
- End of unit test

Students to Know

- Specific vocabulary related to rocks & weathering
- Examples of hot spots, island arcs, mid ocean ridges
- The general location of plate boundaries across the world

Students to Understand

- How tectonic processes work
- How to interpret the Peltier Diagram
- The impact of climate on rates of weathering
- How human activities can impact rates of weathering & slope mass movements

Students to be able to Do

- Draw diagrams & annotate pictures of different tectonic processes
- Draw diagrams of different mass movements
- Identify different types of weathering from photographs or diagrams
- Explain the links between human activities, acid rain & its impact on rocks & weathering

Cross curricular links

- Chemistry; chemical weathering & reactions
- Economics; cost & impact of floods and landslides

Differentiation incl. EAL

- Vocabulary focus worksheets
- Extra questions for advanced students

Learning styles activities

- Groupwork
- Large & small group discussion
- Individual research and presentation
- Data interpretation & graphing
- YouTube clips & news reports
- Diagrams & sketches
- Lectures
- Vocabulary drills
- Formal quizzes & tests



Pagan Island, Northern Marianas

NASA / Public domain

Global citizenship, internationalism, local environment

- Human activities & the impact of acid rain
- International examples of slope mass movements & their impact: landslides in Brazil, avalanches in Switzerland etc. (dependent on recent events)



UNIT 4 - POPULATION

Content

- Natural increase & population change
- Birth/death rates, fertility rates, infant mortality rates
- Age/sex pyramids
- Population structure, dependency ratio
- Changes in birth & death rates over time
- Demographic Transition
- Causes and consequences of food shortages
- Role of technology & innovation in resource development
- Overpopulation, underpopulation & optimum population
- A case study of one country's population policy (pro or anti natalist)

Resources & ICT

- AS and A Level Geography textbook
- <http://bmalevelgeography.weebly.com>
- scoop.it Geography at BM page
- Worksheets, Keynote presentations
- Internet research: news websites and YouTube clips
- Past AS exam questions

Students to Know

- Specific vocabulary related to population
- How to calculate the dependency ratio
- The components of population change
- The different steps in demographic transition

Students to Understand

- The relationship between population & resources (Malthus vs. Boserup)
- The implications of an ageing population on a country (e.g. Japan)
- The difficulties of accurately predicting population growth
- What causes food shortages

Students to be able to Do

- Be able to sketch & explain the Demographic Transition Model
- Be able to explain in depth a case study of one country's population policy regarding natural increase (e.g. China's population control)
- Annotate & explain population pyramids

Cross curricular links

- Economics; economic cost of ageing population
- History; Chinese population policy, historical examples of population policy (Italy & Germany in 1930s)

Types of assessment

- Past AS exam questions
- Case study research reports
- Diagrams & annotations
- Vocabulary worksheets
- Factual quizzes
- End of unit test

Differentiation incl. EAL

- Vocabulary focus worksheets
- Extra questions for advanced students

Learning styles activities

- Groupwork
- Large & small group discussion
- Individual research and presentation
- Data interpretation & graphing
- YouTube clips & news reports
- Diagrams & sketches
- Lectures
- Vocabulary drills
- Formal quizzes & tests



One Child Policy in China

Global citizenship, internationalism, local environment

- Causes and consequences of food shortages & food aid
- The Green Revolution controversy
- Debates on civil liberties vs. population control
- Focus on ageing population in Japan & the implications on Japanese society

UNIT 5 - MIGRATION

Content

- Migration & population change
- Causes of migration: push & pull factors
- Processes & patterns of migration
- Obstacles & barriers to migration
- Internal migration: rural-urban & urban-rural
- Impact of migrants on source & receiving areas
- International migration
- Voluntary & forced migration
- Causes & patterns of international migration
- Case study: Mexico to the United States

Resources & ICT

- AS and A Level Geography textbook
- <http://bmalevelgeography.weebly.com>
- scoop.it Geography at BM page
- Worksheets, Keynote presentations
- Internet research: news websites and YouTube clips
- Past AS exam questions

Types of assessment

- Past AS exam questions
- Case study research reports
- Diagrams & annotations
- Vocabulary worksheets
- Factual quizzes
- End of unit test

Students to Know

- Specific vocabulary related to migration
- Examples of push & pull factors
- Specific facts related to migration case studies

Students to Understand

- Causes of migration
- The difference between voluntary & forced migrations
- The positive & negative impacts of migration on source & receiving areas

Students to be able to Do

- Identify & explain different examples of voluntary & forced migration
- Identify & explain different examples of internal migration
- Describe & explain in depth the causes, character, scale, pattern and impact of a case study of international migration on both source and receiving areas

Cross curricular links

- Economics; impact of migration on the economies of source & receiving areas
- History; historical trends in migration (e.g. Uganda under Idi Amin)

Differentiation incl. EAL

- Vocabulary focus worksheets
- Extra questions for advanced students

Learning styles activities

- Groupwork
- Large & small group discussion
- Individual research and presentation
- Data interpretation & graphing
- YouTube clips & news reports
- Diagrams & sketches
- Lectures
- Vocabulary drills
- Formal quizzes & tests



Refugee shelters in Dadaab Refugee Camp, Kenya

Pete Lewis / UK DFID / CC BY 2.0

Global citizenship, internationalism, local environment

- Migration as a political issue: laws relating to movement
- Refugee movements linked to current crises (e.g. Syria 2013)
- Ethnic diversity & diasporas in London
- Specific examples: Swiss laws on asylum seekers
- Mexico-USA migration: the political debate & current events

UNIT 6 - SETTLEMENT DYNAMICS

Content

- Changes in rural settlements
- Impacts of migration on settlement
- Urbanization & urban growth
- Counterurbanization
- Gentrification
- Global cities, hierarchy of world cities
- The CBD
- Changing structure of global cities
- Management of urban settlements
- Shanty towns & squatter settlements

Resources & ICT

- AS and A Level Geography textbook
- <http://bmalevelgeography.weebly.com>
- scoop.it Geography at BM page
- Worksheets, Keynote presentations
- Internet research: news websites and YouTube clips
- Past AS exam questions

Types of assessment

- Past AS exam questions
- Case study research reports
- Diagrams & annotations
- Vocabulary worksheets
- Factual quizzes
- End of unit test

Students to Know

- Specific vocabulary related to settlement dynamics
- The different categories of global cities
- The criteria for Megacities & examples

Students to Understand

- The problems related to urban growth
- How different settlements have attempted to provide infrastructure
- How rural-urban migration has changed the nature of both rural and urban settlements
- The debate around gentrification

Students to be able to Do

- Identify & explain examples of urban growth & change (e.g. Urban regeneration in London, infrastructural developments in Cairo)
- Annotate photographs of urban & rural settlements
- Interpret data related to urban growth

Cross curricular links

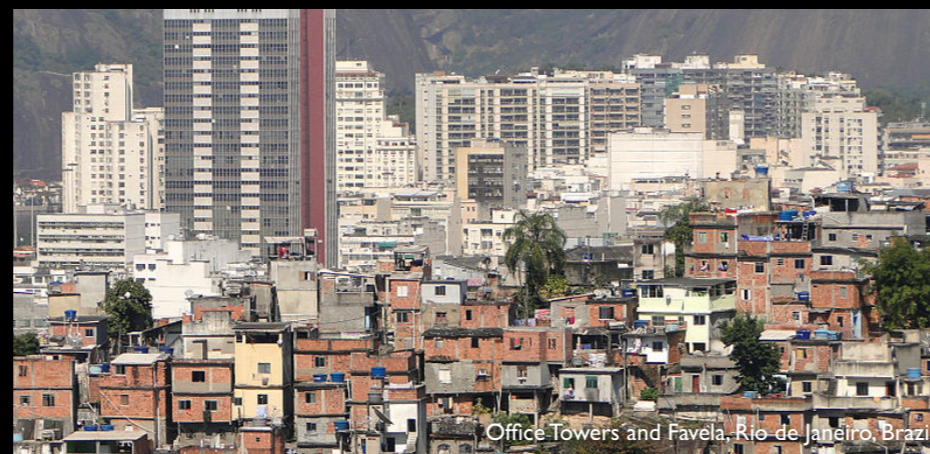
- Economics; growth & development, cost of urban change
- History; historical growth of urban settlements

Differentiation incl. EAL

- Vocabulary focus worksheets
- Extra questions for advanced students

Learning styles activities

- Groupwork
- Large & small group discussion
- Individual research and presentation
- Data interpretation & graphing
- YouTube clips & news reports
- Diagrams & sketches
- Lectures
- Vocabulary drills
- Formal quizzes & tests



Adam Jones, Ph. D. / CC BY-SA 3.0

Global citizenship, internationalism, local environment

- What makes a global/world city?
- Urban regeneration: London Olympics 2012
- Megacities: Shanghai & other examples
- Shanty towns: problems & solutions