

# UNIT 1 - TROPICAL ENVIRONMENTS

### Content

- Tropical climates; characteristics, variations and causes
- Tropical ecosystems; tropical savanna & tropical rainforest
- Vegetation, soil profiles, nutrient cycling
- Tropical landforms; processes of tropical weathering & effects on granite & limestone
- Sustainable management of tropical environments
- Threats to tropical rainforests & savanna
- CAMPFIRE program in Zimbabwe

### 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 A2 exam questions

### Types of assessment

- Past A2 exam questions
- Case study research reports
- Diagrams & photograph annotation
- Vocabulary worksheets
- Factual quizzes
- End of unit test

### Students to Know

- Vocabulary related to tropical environments
- The distribution of tropical environments
- Specific examples of annual temperature & precipitation in different tropical areas

### Students to Understand

- The causes of climatic differences throughout the tropics
- The role of the ITCZ in determining tropical climates & vegetation
- The different vegetation, nutrient cycling & soil profiles of tropical rainforests & savanna
- The human impact on tropical rainforests & savannas

### Students to be able to Do

- Sketch diagrams of different nutrient cycles
- Sketch & explain the differences between vegetation in a tropical rainforest & savanna
- Sketch & explain the processes of formation of tropical landforms
- Identify & explain specific examples sustainable management of tropical rainforests & savannas

### Cross curricular links

- Chemistry; processes of chemical weathering
- Mathematics; climate data & graphs
- Economics; economic importance of tropical rainforests

### 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



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### Global citizenship, internationalism, local environment

- The importance of tropical environments to all life on Earth
- Tropical rainforests in South America, Southeast Asia, Africa; Savanna in Africa
- Examples of steps being taken to sustainably manage tropical environments



# UNIT 2 - COASTAL ENVIRONMENTS

## ADV. GEOGRAPHY 2

### Content

- Wave, marine & sub-aerial processes
- Coastal landforms of cliffed & constructive coasts
- Coral reefs: formation, characteristics, distribution, conditions for growth
- Sustainable management of coasts

### Resources & ICT

- AS and A Level Geography textbook
- <http://bmalevelgeography.weebly.com>
- [scoop.it](http://scoop.it) Geography at BM page
- Worksheets, Keynote presentations
- Internet research: news websites and YouTube clips
- Past A2 exam questions

### Types of assessment

- Past A2 exam questions
- Case study research reports
- Diagrams & photograph annotation
- Vocabulary worksheets
- Factual quizzes
- End of unit test

### Students to Know

- Vocabulary related to coastal environments
- The definition of a wave & all related wave terminology
- The different types of waves & their impact on the coastline

### Students to Understand

- The different elements that determine the changing nature of the coastline
- The processes acting upon the coastline
- The necessary conditions for coral growth
- The human impact on coastlines

### Students to be able to Do

- Sketch diagrams of parts of a wave
- Sketch & explain the formation of different coastal landforms
- Identify & explain the different theories of reef formation
- Explain & assess different types of coastal protection measures, using specific examples

### Cross curricular links

- Chemistry; processes of chemical weathering
- Economics; importance of coral reefs to the local & global economy

### 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



Clownfish, Great Barrier Reef

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### Global citizenship, internationalism, local environment

- The global importance of coral reefs & efforts to sustainably manage them
- Global examples of coastal environments: UK, Australia, Maldives



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November-December - 6 weeks

# UNIT 3 - ENVIRONMENTAL MANAGEMENT

### Content

- Sustainable energy sources
- Renewable & non-renewable energy sources
- Patterns of energy consumption
- Environmental impact of energy consumption
- Management of energy supply
- Environmental degradation: land, air, water pollution
- Policies designed to improve the quality of degraded environments
- Management of a degraded environment

### 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 A2 exam questions

### Types of assessment

- Past A2 exam questions
- Case study research reports
- Diagrams & photograph annotation
- Vocabulary worksheets
- Factual quizzes
- End of unit test

### Students to Know

- The classification of renewable & non-renewable resources
- Facts & statistics for energy use
- The main producers & consumers of energy
- Risk factors for environmental degradation

### Students to Understand

- Why levels of supply and demand for energy resources vary
- The impact of energy production at the local & global level
- The causes of different types of pollution
- Why selected urban environments have been degraded
- The relative success or failure of policies designed to address urban environmental degradation
- The impact of the Kyoto Protocol

### Students to be able to Do

- Examine trends in energy consumption of LEDCs and MEDCs
- Analyze the factors which have led to degradation of rural environments in MEDCs & LEDCs
- Examine & evaluate policies designed to improve degraded environments

### Cross curricular links

- Economics; links between development level & environmental degradation
- Physics; energy sources

### 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



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### Global citizenship, internationalism, local environment

- Global importance of environmental protection
- International examples of LEDC & MEDC cities' degradation & successes
- Kyoto Protocol, Earth summits of Rio de Janeiro & Kyoto



# UNIT 4 - GLOBAL INTERDEPENDENCE

## ADV. GEOGRAPHY 2

### Content

- Trade flows & trading patterns
- Debt & aid
- Management of debt & aid
- Issues of trade & aid
- The development of international tourism
- The management of a tourist destination
- Sustainability of tourism & specific case studies

### 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 A2 exam questions

### Types of assessment

- Past A2 exam questions
- Case study research reports
- Diagrams & photograph annotation
- Vocabulary worksheets
- Factual quizzes
- End of unit test

### Students to Know

- The global patterns of trade
- Factors affecting global trade
- Distribution of aid, aid organizations
- The changes in patterns of origin & destination of tourists

### Students to Understand

- Why current trade patterns have been influenced by past events
- The role of innovation in changing trading practices
- Factors that influence aid donation
- The causes, nature & problems of debt

### Students to be able to Do

- Explain advantages & disadvantages of aid donation for recipient & donor countries
- Explain advantages & disadvantages of different types of aid
- Examine the economic, social & environmental impacts of tourism on destinations
- Examine & evaluate the impacts of tourism on a specific tourist destination

### Cross curricular links

- Economics; economic importance of tourism, patterns of trade, imports & exports
- History; legacy of colonialism, impact on LEDCs

### 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



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### Global citizenship, internationalism, local environment

- G8 summits
- Millennium Development Goals & current standings
- Debate surrounding trade vs. aid
- Understanding & awareness of different types of aid with specific contemporary examples
- Sustainable tourism



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