# Geography

ALDER Community High School

## Year 11

| Autumn | Coasts & Coastal fieldwork | |
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| | • To know the types of waves and their characteristics<br>• To know what weathering and mass movement is<br>• To know the types of coastal erosion<br>• To know how to explain longshore drift<br>• To know how erosion creates coastal landforms<br>• To know how deposition creates coastal landforms<br>• To know what landforms are at the Holderness Coast<br>• To know how to manage coastal erosion<br>• To know how the Holderness Coast manages erosion<br><br>• To know how to collect data during coastal fieldwork.<br>• To know how to present coastal fieldwork data.<br>• To know how to analyse coastal fieldwork data.<br>• To know how to use fieldwork evidence to reach a conclusion.<br>• To know how to evaluate coastal fieldwork methods and data. | **Key Vocabulary**<br><br>• Process<br>• Management<br>• Erosion<br>• Transportation<br>• Deposition<br>• Longshore drift<br>• Hard engineering<br>• Soft engineering |
| | **How to help at home/useful websites**<br><br>Coastal landscapes in the UK - GCSE Geography - BBC Bitesize | **Assessments**<br><br>1. **Coasts Assessment** |

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| **Autumn Continued** | **Challenge of Natural Resources** | |
| | • To know that natural resources such as water, energy and minerals are unevenly distributed across the world.<br>• To know how food is produced and distributed across the UK.<br>• To know how water is managed in the UK.<br>• To know how energy is managed in the UK.<br>• To know how population growth, agriculture and industry increase water consumption.<br>• To know how water scarcity can affect health, agriculture and economic development.<br>• To know how water supply can be increased through storage, conservation and technology.<br>• To know how large-scale water transfer schemes move water from areas of surplus to areas of deficit.<br>• To know how sustainable water management can reduce demand and protect the environment. | **Key Vocabulary**<br>• Consumption<br>• Availability<br>• Natural resource<br>• Resource scarcity<br>• Renewable resource<br>• Non-renewable resource |
| | **How to help at home/useful websites**<br><br>Resources - food, energy and water - Distribution of resources - AQA - GCSE Geography Revision - AQA - BBC Bitesize | **Assessments**<br>1. Natural Resources Assessment |

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**Autumn / Spring 1**

# Urban Growth in Rio de Janeiro/ Natural Hazards – Tropical Storms

- To know the location and importance of Rio de Janeiro.
- To know the causes of Rio de Janeiro's rapid growth.
- To know the opportunities created by Rio de Janeiro's growth.
- To know the challenges created by Rio de Janeiro's rapid growth.
- To know how Rio de Janeiro is managing its urban challenges.
- To know how urban planning is improving the quality of life for Rio's urban poor.

Natural Hazards – Tropical Storms

- To know that global atmospheric circulation model is
- To know how tropical storms form.
- To know where tropical storms occur globally.
- To know the structure and features of a tropical storm.
- To know how climate change could affect tropical storms.
- To know that tropical storms have primary and secondary effects on people and the environment.
- To know that tropical storms require immediate and long-term responses.
- To know the effects and responses of a named tropical storm.
- To know how monitoring, prediction, protection and planning can reduce the impacts of tropical storms.

**Key Vocabulary**
**Urban Growth**

- **Inequality**
- **Urbanisation**
- **Natural increase**
- **Rural–urban migration**
- **Favela**
- **Pacification**

**Tropical Storms:**

- **Impact**
- **Response**
- **Prediction**
- **Tropical storm**
- **Atmospheric pressure**
- **Coriolis effect**
- **Storm surge**
- **Primary effects**
- **Secondary effects**
- **Immediate responses**
- **Long-term responses**

**How to help at home/useful websites**

Rio de Janeiro Case Study | AQA GCSE Geography

Global atmospheric circulation - Tropical storms - AQA - GCSE Geography Revision - AQA - BBC Bitesize

**Assessments**

1. Rio Assessment
2. Tropical storms assessment

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| Spring 2 | **Rivers & Pre-Release** | |
| | • To know that UK relief and landscapes have been shaped by physical processes.<br>• To know that river profiles change from source to mouth.<br>• To know that erosion, transportation and deposition shape river landscapes.<br>• To know that river erosion creates landforms such as V-shaped valleys and waterfalls.<br>• To know that erosion and deposition create landforms such as meanders and oxbow lakes.<br>• To know that UK river landforms can be illustrated using case studies.<br>• To know that flood risk is affected by physical and human factors.<br>• To know that hydrographs show how rivers respond to rainfall.<br>• To know that hard engineering manages floods by controlling river flow.<br>• To know that soft engineering manages floods by working with natural processes.<br>• To know that flood management strategies have different advantages and disadvantages.<br><br>Pre-release<br><br>• To know how to interpret the pre-release | **Keywords**<br><br>• Process<br>• Management<br>• Erosion<br>• Transportation<br>• Deposition<br>• Hard engineering<br>• Soft engineering |

| | How to help at home/useful websites | Assessments |
|---|---|---|
| | River landscapes in the UK - GCSE Geography - BBC Bitesize | 1. **Rivers Assessment** |