

Subject	Year 9 Threshold Concepts	How to support students' learning
Geography Urban issues and challenges – Rio de Janeiro	Summer Term 2027 Lesson 1 and 2 are taught in the Spring Term Lesson 3: What are the challenges of urban growth in Rio? ✓ Describe the characteristics of favelas in Rio de Janeiro. ✓ Explain the challenges caused by urban growth in Rio de Janeiro (social, economic and environmental). Lesson 4: How has planning improved the quality of life in Rio? ✓ To describe how urban growth in Rio is being managed – describe features of the Favela Bairro Project and other city-wide strategies. ✓ To evaluate the Favela Bairro Project and the impacts of favela residents. Lesson 5: DME - Urbanisation and Informal Settlements ✓ To demonstrate geographical skills. ✓ To apply knowledge and understanding to an issue.	Read the information on the opportunities and challenges in Rio on the BBC Bitesize website Case study - Rio de Janeiro, Brazil - Challenges and opportunities for urban areas - OCR - GCSE Geography Revision - OCR - BBC Bitesize Complete the quiz on challenges and opportunities in urban areas Geography - Challenges and opportunities for urban areas (OCR) test questions - OCR - GCSE Geography Revision - BBC Bitesize Make a revision poster on key challenges in Rio, and features of urban planning strategies: Case Study Rio de Janeiro - Internet Geography Re-cap and familiarise yourself with urbanisation key terminology – make flash cards to review at home

	✓ To make synoptic links across other topics Lesson 6: How can cities be sustainable? ✓ To define sustainability. ✓ To explain the features of a sustainable city. ✓ To evaluate urban sustainability in Curitiba, Brazil.	Compare how urban areas are being made sustainable in Curitiba, Brazil and Germany: Curitiba, Brazil: A sustainable city – YouTube and Cities in Focus Curitiba, Brazil – YouTube Green Revolution - The Freiburg Model Made in Germany - YouTube and Germany's City of the Future Built to be Green - YouTube
Subject Geography	Year 9 Threshold Concepts Summer Term 2027	How to support students' learning
Climatic Hazards and Climate Change	Lesson 1: What are weather hazards? ✓ To describe what a natural hazard is and give examples of different types. ✓ To describe the types of extreme weather experienced in the UK. ✓ To explain why the UK gets such variable weather. ✓ To analyse a UK extreme weather event, the 'Beast from the East', explaining its causes, effects and effectiveness of responses. Lesson 2: What is global atmospheric circulation?	Explore the following revision pages and create key-word definition flash-cards: What is a natural hazard? - Natural hazards - AQA - GCSE Geography Revision - AQA - BBC Bitesize Types of natural hazard - Natural hazards - AQA - GCSE Geography Revision - AQA - BBC Bitesize Hazard risks and consequences - Natural hazards - AQA - GCSE Geography Revision - AQA - BBC Bitesize Create a revision poster on the causes, impacts and responses to 'The Beast from the East' – a UK extreme weather event. https://www.internetgeography.net/geotopics/beast-from-the-east-extreme-weather-in-the-uk/ Watch the Met Office video clip What is global circulation? Part One Differential heating - YouTube and What is global circulation? Part Two The three cells - YouTube • Discuss the location of the world's deserts and rainforests in relation to Global Circulation.

	✓ To define global atmospheric circulation and identify the three main convection cells. ✓ To explain how global atmospheric circulation creates pressure belts and surface winds, and how these influence patterns of high- and low-pressure weather. ✓ To explain how global atmospheric circulation affects climate and biomes. Lesson 3: How are tropical storms formed? ✓ To describe the global distribution of tropical storms. ✓ To describe the structure (key features) of tropical storms. ✓ To explain the physical conditions required for tropical storm formation and development. Lesson 4: What are the impacts of Tropical Storms? ✓ To describe the formation of Typhoon Haiyan. ✓ To identify and explain primary and secondary effects of Typhoon Haiyan. Lesson 5: How do we respond to tropical storms? ✓ To evaluate the short- and long-term responses to Typhoon Haiyan.	• Draw a labelled diagram showing global atmospheric circulation including lines of latitude Read the article Can we get hurricanes in the UK? ITV News • Discuss why we don't get tropical storms in the UK but whether we could in the future. Study the diagram showing how tropical storms develop on the BBC bitesize website: Structure, features and the development of tropical storms - Tropical storms - AQA - GCSE Geography Revision - AQA - BBC Bitesize • Create a timeline showing tropical storm development. Make a case-study revision card of key facts and figures: Tropical Storms Case Study: Haiyan Free Notes & Practice – Geography: AQA GCSE Watch the following documentary: Surviving Super Typhoon Haiyan - The Storm That Broke A City Discuss the Saffir-Simpson Hurricane Wind Scale Saffir-Simpson Hurricane Wind Scale (noaa.gov) and damage caused by different wind intensities. • View the interactive diagram. Read the article 'The Science of Hurricane-Proof Buildings' The Science of Hurricane-Proof Buildings & Homes [Animated] BigRentz
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	Lesson 7: What evidence is there of Climate Change? ✓ To explain the greenhouse effect (natural and enhanced) and how it contributes to climate change. ✓ To describe and explain the natural causes of climate change. ✓ To evaluate evidence for climate change. Lesson 8: How do humans contribute to climate change? ✓ To evaluate the extent to which human activity is responsible for climate change. ✓ To explain ways we can adapt to and mitigate climate change. ✓ To explain the global impacts of climate change.	• Produce an A3 poster, designing a hurricane-proof building. Consider the cost of the building design. Watch the 'Natural Causes of Global Warming' Natural Causes of Global Warming - YouTube and write down three reasons why climate change occurs naturally. Watch the following video clips about human causes of climate change. 1. Deforestation: https://www.youtube.com/watch?v=Nc7f5563azs 2. Fossil fuels: https://www.youtube.com/watch?v=zaXBVYr9Ij0 3. Agriculture: https://www.youtube.com/watch?v=26qzmw_xG58 Create a table to show how each human activity contributes to climate change. Include the type of activity, a brief description of what happens, the greenhouse gases involved. View the full episode of 'Climate Change – The Facts' by David Attenborough on BBC iPlayer - Climate Change - The Facts How climate change affects hurricanes, typhoons and cyclones - BBC News Use the BBC Bitesize website to do further revision and complete quizzes: The challenge of natural hazards - GCSE Geography Revision - AQA - BBC Bitesize
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