

Subject	Year 9 Threshold Concepts	How to support students' learning
Geography	Spring Term 2027	
The UK physical environment - Rivers	Lesson 1: What are drainage basins? ✓ To describe the main parts of the water cycle and drainage basin system. ✓ To explain how various factors can affect the water cycle and drainage basins, such as climate and soil type ✓ To describe the physical processes that shape our river landscapes – weathering, erosion, transportation and deposition. Lesson 2: What landforms are found in the river's upper course? ✓ To describe the long profile and changing cross profile of a river and its valley. ✓ Explain the change in river characteristics from source to mouth and link this to the Bradshaw model. ✓ To describe and explain the formation of upper course river landforms.	Watch this YouTube video and annotate a map of the UK with information about the characteristics of the physical landscape in the UK: Physical Landscapes of the UK - YouTube Make flash cards for key terminology using the following to help: https://quizlet.com/gb/843623389/the-water-cycle-key-words-flash-cards/ Time for Geography videos: https://timeforgeography.co.uk/video-collections/rivers/ Design flashcards for each of the upper-course river landforms (V-shaped valley, waterfall, gorge). Include – a simple diagram, a formation explanation and 3 test questions on the back of the card. Helpful resources: https://www.internetgeography.net/gcse-geography-interactive-revision/gcse-geography-rivers-revision/ https://www.bbc.co.uk/bitesize/guides/z6jx382/revision/1 https://timeforgeography.co.uk/videos-list/rivers/formation-waterfall-gorge/ https://timeforgeography.co.uk/videos-list/rivers/formation-of-potholes/

	Lesson 3: What are landforms are found in the middle and lower course? ✓ To describe how the middle course of a river is different to its upper course. ✓ To describe and explain the formation of landforms found in the middle and lower course of a river ✓ To identify river landforms on an OS map. Lesson 4: How do human and physical factors affect flood risk? ✓ To identify different human and physical causes of flooding ✓ To describe and interpret hydrographs. ✓ To explain how hydrograph shape differs due to human and physical factors Lesson 5: How can flooding be managed? ✓ To explain hard and soft engineering methods used to manage rivers ✓ To assess the costs and benefits of hard and soft river engineering techniques. ✓ To evaluate the sustainability of different methods of river management. Lesson 5: How do human and physical factors affect flood risk, and how can we manage flooding? ✓ To describe and interpret hydrographs. ✓ To explain hard and soft engineering methods used to manage rivers.	Design flashcards for each of the middle and lower-course river landforms (meanders, ox-bow lakes, flood plains, levees). Include – a simple diagram, a formation explanation and 3 test questions on the back of the card. Helpful resources: https://www.bbc.co.uk/bitesize/guides/z6jx382/revision/1 https://timeforgeography.co.uk/videos-list/rivers/floodplains/ Watch this clip and organise the causes of flooding into human and physical factors: Flood risk factors - River management - AQA - GCSE Geography Revision - AQA - BBC Bitesize Make flash cards of key terminology linked to flood hydrographs: https://quizlet.com/gb/513208129/the-hydrograph-managing-rivers-geography-aqa-gcse-91-flash-cards/ Watch this video on hard and soft river management strategies and make a mind map outlining how different methods help to prevent flooding. Hard engineering approaches to river management Problems of hard engineering & 'softer' alternatives Watch this video on hard and soft river management strategies and make a mind map outlining how different methods help to prevent flooding. Hard engineering approaches to river management Problems of hard engineering & 'softer' alternatives
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	✓ To evaluate the sustainability of different methods of river management. Lesson 6: How can different management strategies in Shrewsbury been used to protect the town from flooding? ✓ To describe the physical and human causes of flooding in Shrewsbury. ✓ To explain the effects of flooding in Shrewsbury. ✓ To describe Shrewsbury's flood management strategy. ✓ To evaluate the effectiveness (sustainability) of the flood prevention scheme in Shrewsbury. Lesson 7a: What are the major landform along the River Severn? ✓ To describe the location of the River Severn. ✓ To explain how the river changes along its long profile. ✓ To explain the formation of named erosional and depositional landforms along the River Severn. Lesson 7b: An introduction to Carding Mill Valley – Pre-fieldwork ✓ To create an enquiry question and hypotheses for a physical geography enquiry.	Review the Shrewsbury flood management case study from the flashcards on this Quizlet, and then try to match the cards from memory Case study 11 river management on river Severn Shrewsbury Flashcards Quizlet Try practising the river exam questions from past papers and use the mark schemes to strengthen your exam technique. AQA GCSE Geography Past Papers - Revision World Make a revision poster for the River Severn Case Study – Landforms of Erosion and Deposition https://www.internetgeography.net/geotopics/the-river-severn-case-study-landforms-of-erosion-and-deposition/ Use the maps and images on these websites to describe the physical landscape of Carding Mill valley and to learn about our fieldwork site: The Ashbrooke river Shropshire National Trust
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	✓ To select and justify appropriate primary and secondary data collection methods. ✓ To identify potential risks associated with river valley fieldwork and explore solutions. Lesson 8: Fieldwork visit to Carding Mill Valley ✓ To collect accurate primary data in a river environment using a range of fieldwork techniques. Lesson 9: Post-fieldwork ✓ To select and use appropriate data presentation techniques to effectively display fieldwork results. ✓ To analyse and interpret data to test hypotheses and draw evidence-based conclusions. ✓ To evaluate the fieldwork enquiry process.	Carding Mill Valley & The Long Mynd - Shropshire Tourism & Leisure Guide (shropshire-guide.co.uk) Watch this BBC Bitesize guide to carrying out a fieldwork enquiry: https://www.bbc.co.uk/bitesize/guides/zq42ycw/revision/2 Explain what the Bradshaw model tells us about how rivers change downstream: Changing Channel characteristics (coolgeography.co.uk) Study the methods of presenting, interpreting and analysing fieldwork data on BBC Bitesize https://www.bbc.co.uk/bitesize/articles/zfvk96f#zjcyvwx Explore the Field Studies Council resources to develop your geographical investigation skills. Focus on how to present data effectively, analyse results using appropriate techniques and draw well-reasoned conclusions. Data presentation: https://www.field-studies-council.org/resources/14-16-geography/route-to-enquiry/data-presentation/ Data analysis: https://www.field-studies-council.org/resources/14-16-geography/route-to-enquiry/data-analysis/ Evaluation: https://www.field-studies-council.org/resources/14-16-geography/route-to-enquiry/evaluation/ Conclusions: https://www.field-studies-council.org/resources/14-16-geography/route-to-enquiry/conclusions/
Subject Geography	Year 9 Threshold Concepts Spring Term 2027	How to support students' learning

Urban issues and challenges – Rio de Janeiro	Lesson 1: what are megacities? ✓ To describe and explain world population change. ✓ To describe and explain world population distribution. ✓ To describe and explain factors affecting the rate of urbanisation in LICs, NEEs and HICs. ✓ To describe the emergence of megacities and future trends. Lesson 2: Why is Rio de Janeiro an important city? ✓ To describe the <u>location</u> of Rio regionally, nationally and internationally. ✓ To describe why Rio is such an important city globally, nationally and locally. ✓ To explain <u>causes of urban growth</u> in Rio de Janeiro. ✓ To evaluate how urban growth has created <u>opportunities in Rio de Janeiro</u>. This module is continued into the summer term	Examine the following websites Mapping the World's Urban Population from 1500 to 2050 (visualcapitalist.com) and World Population An Interactive Experience - World Population (worldpopulationhistory.org) to see how countries are changing from being mostly rural to urban Watch the video clip Urbanisation and the growth of global cities - YouTube and create a mind map of the different reasons why urban areas are growing Watch the video clip Being 11 in a Rio favela - BBC News - YouTube and lead a discussion with your child of some of issues faced by children in the favelas Watch the video clip from Supersized Earth 1. A place to live - TTS Video Library - Powered by Planet eStream to see how the favela Complexo do Alemão in the north of Rio has been improved by the people who live in it and the authorities in Rio de Janeiro Make flash cards noting 3 reasons why Rio is important regionally, nationally and internationally: GCSE Geography Why is Rio de Janeiro important? (NEE city study: Rio de Janeiro 1) Reference Library Geography tutor2u
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