

| Subject | Year 9 Threshold Concepts – Autumn Term | How to support students' learning |
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| Geography | <p>Topic- The Skills for success</p> <p>Lesson 1: Getting to know Greenland with maps Objectives:</p> <ul style="list-style-type: none"> ✓ To know the location of the world's oceans and continents ✓ To be able to use latitude and longitude ✓ To be able to use compass directions ✓ To be able to use grid references <p>Lesson 2: Using OS maps:</p> <ul style="list-style-type: none"> ✓ To be able to use OS map symbols ✓ To be able to identify the height of a location on a map ✓ To be able to draw a cross section ✓ To be able to measure a distance on the map <p>Lesson 3: Using observation skills Objectives:</p> <ul style="list-style-type: none"> ✓ To be able to use aerial photographs to describe a location ✓ To be able to draw a field sketch ✓ To understand how GIS is used by geographers <p>Lesson 4: Presenting information on maps Objectives:</p> <ul style="list-style-type: none"> ✓ To be able to present information on maps <p>Lesson 5: Presenting information on graphs Objectives:</p> <ul style="list-style-type: none"> ✓ To be able to present information on graphs | <ul style="list-style-type: none"> • Study a map of the seven continents and world's oceans, can you name them? • Watch the video clip on latitude and longitude Atlas maps (thenational.academy) .Ask your child to explain which lines tell us how far a place is from the equator how far a place is from the Greenwich meridian line . Complete the quiz Atlas maps (thenational.academy) • Ask your child what phrases they could use to remember the direction on a compass rose • Watch the video on 4 and 6 figure grid references OS maps (thenational.academy) and attempt the questions during the video • Use an OS map to test your child on the symbols used • Watch the video and complete the activities on using contour lines Representing height on a map (thenational.academy) • Watch the video and complete the activities on reading distances on an OS map Reading distances on a map (thenational.academy) • Use these instructions to draw a short cross section from an OS map how to draw a cross section of a map instructions.pdf (thegeographeronline.net) • Study some of the aerial photographs on this website and describe what you can see Landscape Histories from the Air : Port, Southampton (cam.ac.uk) or Landscape Histories from the Air : Royal Naval College, Greenwich (cam.ac.uk) • Go outside and draw a field sketch of the road you live in or a place that you visit • Watch this video on what GIS tell us about cities? What can OS maps and GIS maps tell us about cities? (thenational.academy) |

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| | <p>Lesson 6: How to present information on a graph Objectives:</p> <ul style="list-style-type: none"> ✓ To be able to present information on a graph <p>Lesson 7: Analysing a range of information Objectives:</p> <ul style="list-style-type: none"> ✓ To practice presenting to a group ✓ To practise note-taking using the Cornell method | <ul style="list-style-type: none"> • Watch the video on cartographic skills Cartographic skills (thenational.academy) and try the quiz afterwards Lesson: Cartographic skills Teacher Hub Oak National Academy (thenational.academy) • Ask your child to explain the changes in energy use shown by the line graph on BBC Bitesize Line graphs - Graph skills - GCSE Geography Revision - BBC Bitesize • Study the climate graph on BBC Bitesize and practise analysing the information Climate graphs - Graph skills - GCSE Geography Revision - BBC Bitesize • Ask your child what qualities they think makes a good presentation • Use the Cornell note taking method to practise making notes from this video about climate change in Greenland https://youtu.be/d9nIUai9RN8 |
| | <p>Topic- The UK physical environment</p> <p>Lesson 1: The challenge of natural hazards Objectives:</p> <ul style="list-style-type: none"> ✓ To know the difference between natural disasters and natural hazards ✓ To be able to categorise natural hazards <p>Lesson 2: What is global atmospheric circulation? Objectives:</p> <ul style="list-style-type: none"> ✓ To know what global atmospheric circulation is ✓ To describe surface winds and pressure belts ✓ To explain how global atmospheric circulation works | <ul style="list-style-type: none"> • Use this website to mind map the features of different natural hazards What is a natural hazard? - Natural hazards - AQA - GCSE Geography Revision - AQA - BBC Bitesize • Answer the questions on this revision test Natural hazards test questions - AQA - GCSE Geography Revision - BBC Bitesize • 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 with your child • Draw a labelled diagram showing global atmospheric circulation including lines of latitude • Research an example of each of these types of extreme weather events in the UK; heavy rainfall event; drought; a |

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| | <p>Lesson 3: How is the UK affected by extreme weather?</p> <ul style="list-style-type: none"> ✓ To explain why the UK experiences varying weather events ✓ To describe how a weather event affects people in the UK <p>Lesson 4: What is an ecosystem?</p> <ul style="list-style-type: none"> ✓ To be able to describe different ecosystems ✓ To explain how climate, soil, plants, and animals are interlinked in ecosystems ✓ To be able to describe a pond ecosystem <p>Lesson 5: How diverse is the UK landscape?</p> <ul style="list-style-type: none"> ✓ To name and locate major uplands, lowland areas and rivers in the UK ✓ To understand how erosion and weathering change the landscape <p>Lesson 6: How do coastal landscapes change due to erosion?</p> <ul style="list-style-type: none"> ✓ To describe and explain the types of erosion that occur at the coast ✓ To identify erosional coastal landforms ✓ To explain how coastal erosional landforms are created <p>Lesson 7: What landforms are created by coastal deposition?</p> <ul style="list-style-type: none"> ✓ To describe the methods of transportation ✓ To explain why deposition occurs ✓ To explain the formation of depositional landforms | <p>storm with strong winds. List the impacts of each event, and categorise them in to social, economic, and environmental impacts</p> <ul style="list-style-type: none"> • For the Beast from the East 2018 event, answer the exam question “Using a named example, explain two impacts of a recent extreme weather event in the UK” (6 marks) • Try this quizlet to learn the key terms connected to ecosystems • Use The Wildlife Trusts guide to ‘How to build a pond’ to create an informative poster on the biotic and abiotic features of a small-scale ecosystem How to build a pond The Wildlife Trusts • 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 • Complete the activities on this website about weathering and erosion Weathering and erosion - geographyalltheway.com • Ask your child to draw simple labelled diagrams to show how: a cliff erodes back and forms a wave cut platform; how a bay and headland forms; how a cave develops into an arch, then a stack and a stump • Look for photographs of each of the landforms above either in the UK or abroad • Study the information on transportation and deposition on the BBC Bitesize website and then take the test Transportation - Coastal processes - AQA - GCSE Geography Revision - AQA - BBC Bitesize • Try these exam questions, and use the mark schemes to help improve the answers Coastal-landforms.pdf (southchurchschool.com) |
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