



Putteridge
High
School

Extended Learning

Geography

Years 7 & 8



Putteridge
High
School

Geography

Year 7 - Autumn Term



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Autumn 1

Topic: The Desert Ecosystem

Learning Objectives

- To describe and explain the location of deserts
- To describe and explain the climate of deserts
- To draw, describe and compare climate graphs
- To explain how animals and plants are adapted to the desert ecosystem
- To explain how humans live in and alter the desert ecosystem
- To justify whether humans or natural processes cause desertification

Extended Learning Opportunities

- Watch the Planet Earth and Human Planet Deserts programs
- Visit the Eden project in Cornwall
- Complete the interactive desert activities on <http://www.geographyinthenews.org.uk/issues/issue-24/>
- Learn more about deserts on <https://www.bbc.com/education/guides/znxsgk7/revision>
- Complete a project about a desert of your choice; describe the location, find out what the climate is, discover which plants and animals live there and how they survive, find out whether people live in or use this desert and what impact this is having



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Autumn 2

Topic: Into Africa

Learning Objectives

- To locate and describe Africa's physical features
- To locate, identify and explain the different biomes in Africa
- To explain how a tropical rainforest is adapted to the climate
- To explain the level of development within Africa
- To assess how lives of Ethiopian salt miners might be improved
- To explain the pattern of urbanisation in Africa
- To examine why shanty towns exist and what life is like in a shanty towns
- To know a case study of urbanisation within Lagos

Extended Learning Opportunities

- Visit the National Geographic website for information on Africa's physical features <https://www.nationalgeographic.org/encyclopedia/africa-physical-geography/>
- Visit BBC Bitesize and take the quiz on biomes - <https://www.bbc.com/education/guides/zh2p34j/revision/2>
- Watch the clip on the Savannah - <https://www.bbc.co.uk/programmes/b01pwtstj>
- Information on Shanty Towns in Africa <https://www.bbc.co.uk/bitesize/guides/zs6m82p/revision/2>
- Salt mining in Ethiopia <https://news.nationalgeographic.com/news/2013/05/pictures/130525-salt-ethiopia-mining-extreme-volcano-heat-transportation/>
- Take a quiz on Africa's physical features <https://lizardpoint.com/geography/africa-physical-quiz.php>
- Write an extended piece of writing comparing your life in the UK to what life would be like in a shanty town.
- Learn about development and quiz your knowledge using the BBC Bitesize site: <https://www.bbc.com/education/guides/zvp39j6/revision/1>
- Cook an African dish <https://www.bbc.com/food/cuisines/african>



Geography

Year 7 - Spring Term



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Spring 1

Topic: Map Skills

Learning Objectives

- Be able to find countries using the contents and index pages of an atlas
- Describe the differences between the British Isles, Great Britain and the UK
- Explain the differences between human and physical features
- Be able to use an OS map
- Understand how to use 4 figure and 6 figure grid references
- Understand direction and scale

Extended Learning Opportunities

- Have a go at some interactive mapping activities
<https://www.ordnancesurvey.co.uk/mapzone/>
- Go Geocaching. This is a nationwide activity where you find 'geocaches' which have been hidden outside. <https://www.geocaching.com/play>
- Quiz your knowledge of countries of the world <https://lizardpoint.com/geography/world-countries-quiz.php>
- Plan your own route using an OS map and a compass or use the following website <http://www.walkinginbeds.co.uk/luton.php> with maps you can print out
- Make a treasure map using 4 and 6 grid references and plan a treasure hunt for your family
- Plan a journey from your house to a different village on the Luton OS map. Using the scale on the map, how far is your journey? and in which direction would you travel?



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Spring 2

Topic: Rivers

Learning Objectives

- Know rivers key words
- Explain how rivers change from source to mouth
- Explain how waterfalls and meanders form
- Evaluate the importance of rivers
- Assess how river pollution can be managed
- Explain the human and physical causes of river flooding
- Evaluate the effectiveness of responses to flooding in Bangladesh

Extended Learning Opportunities

- Learn key river words and revise the water cycle using <https://www.bbc.co.uk/bitesize/guides/z4bk7ty/revision/1>
- Learn how different landforms such as waterfalls are formed <https://www.bbc.co.uk/bitesize/guides/zkrmp3/revision/1>
- Watch the clip about how a river changes the shape of the land <https://www.youtube.com/watch?v=8LCrhhbsOc>
- Visit the Barton Springs at Barton Le Clay https://www.tripadvisor.co.uk/Attraction_Review-g2086917-d7228645-Reviews-Barton_Springs-Barton_le_Clay_Bedfordshire_England.html
- Visit a location along the River Thames <https://www.visitthames.co.uk/>
- Make a model of a river landform or the water cycle.
- Create a project on the cause, effect and response to flooding in Bangladesh <https://www.bbc.co.uk/bitesize/guides/zgycwmn/revision/4>



Geography

Year 7 - Summer Term



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Summer 1

Topic: Glaciation

Learning Objectives

- To describe the different ice landscapes and how they are formed
- To describe how ice moves
- To explain how ice can shape the landscape
- To explain how human and physical processes interact to influence and change landscapes, environments and the climate.

Extended Learning Opportunities

- Make your own flubber <http://sciencecafe.org/content/make-your-own-flubber/> and make your own version of how ice moves <https://youtu.be/RITZK8rRsFY>
- Make a model of an ice landform out of plasticine, paper mache, playdough (you can make your own here <https://www.diynatural.com/homemade-playdough/>)
- Watch the BBC series Frozen Planet
- Watch how glaciers move <https://www.bbc.com/education/clips/z7dnvcw>
- See the Highlands of Scotland before and after glaciation <https://www.bbc.com/education/clips/zpg2tfr>
- Watch the BBC Bitesize clip on Global Warming <https://www.bbc.com/education/clips/znrkqt>
- Investigate Glaciers in the UK watch <https://www.youtube.com/watch?v=NH-vnKR6A7A>



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Summer 2

Topic: Sustainable People

Learning Objectives

- Explain how world population has changed and predict how it might change in future
- Explain where people live in the world and why
- Explain where the biggest cities in the world are and why
- Evaluate the success of sustainable cities
- Explain the demographic transition model
- Explain the theories of Malthus and Boserup
- Explain the impact of HIV/Aids epidemic on a location

Extended Learning Opportunities

- Research the theories of Malthus and Boserup
<https://www.bbc.co.uk/bitesize/guides/zg34nbk/revision/3>
- Find out about the demographic transition model and create a labelled diagram of the model
<https://www.bbc.co.uk/programmes/p05y0czw>
- Map the locations of the world's biggest cities
<https://www.worldatlas.com/articles/the-10-largest-cities-in-the-world.html>
- Visit a large city such as London
<https://www.visitlondon.com/> Use public transport to travel, visit a tourist attraction and an area of urban regeneration such as the Olympic Park site
<https://www.queenelizabetholympicpark.co.uk/the-park/plan-your-visit>
- Create a model of a sustainable house
<https://www.bbc.co.uk/bitesize/guides/zsxsgk7/revision/2>
- Research the growth and management of HIV and Aids
<https://www.bbc.co.uk/bitesize/guides/z9bmn39/revision/2>
- Find out more about where people live in the world through this video clip:
<https://www.bbc.com/education/guides/zkg82hv/revision/1>
- Watch the Human Planet series to find out how people live in extreme environments



Geography

Year 8 – Extended learning opportunities

Autumn Term



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Autumn 1

Topic: Dangerous Tectonic World

Learning Objectives

- To explain the cause, effect and response to earthquakes in China
- To evaluate the whether some of the deaths in the Sichuan earthquake could have been prevented
- To explain the cause, effect and response to the Japan Tsunami
- To compare the Japan Tsunami to the Indonesia Tsunami
- To explain the cause, effect and response to the Iceland volcano

Extended Learning Opportunities

- Create a mini project on the Sichuan Earthquake in 2008. Group your information into causes, effects and responses. A good starting point would be to use this web link: <http://www.coolgeography.co.uk/GCSE/AQA/Restless%20Earth/Earthquakes/Sichuan.htm>
- Research plate boundaries to find out why tectonic disasters happen <https://www.bbc.co.uk/bitesize/guides/zyhv4wx/revision/1>
- Revise and test your knowledge on the topic of volcanoes <https://www.bbc.co.uk/bitesize/guides/zvnbkqt/revision/1>
- Revise and test your knowledge on the topic of earthquakes <https://www.bbc.co.uk/bitesize/guides/z3sg87h/revision/1>
- Revise and test your knowledge on the topic of tsunamis <https://www.bbc.co.uk/bitesize/guides/zbfrd2p/revision/1>
- Research and create a mini project on any tectonic hazard of your choice.
- Visit the Natural History Museum in London, where they have a large section about tectonics <https://www.nhm.ac.uk/>



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Autumn 2

Topic: Development in China

Learning Objectives

- To use development indicators to explain how developed China is
- To evaluate the impact of the Three Gorges Dam on development
- To examine whether China fits Rostow's model of development
- To explain the cause of uneven development within China
- To assess why China introduced the 1 Child Policy as the country developed

Extended Learning Opportunities

- Create a mini project or fact file about China using this link to the National Geographic as a great starting point. Include key facts, plus a section on each of the following: culture, economy, geography, history and nature.
<https://www.natgeokids.com/discover/geography/countries/30-cool-facts-about-china/>
- Compare life in China to life in the UK by watching these clips about life in different parts of China. Create a table comparing life in each of these areas of China.
 - <https://www.bbc.com/education/clips/z8jc9j6> (Lijiang in Yunnan Province, China)
 - <https://www.bbc.com/education/clips/zsy6hyc> (Shanghai, on the Yangtze river mouth, next to the East China Sea)
 - <https://www.bbc.com/education/clips/zpn7mp3> (Yangshuo in the Chinese province of Guangxi)
- Research the key facts, benefits and problems linked to the Three Gorges Dam. This clip will make a good starting point: <https://www.bbc.com/education/clips/z83hn39>
- Revise and test the topic of development
<https://www.bbc.co.uk/bitesize/guides/zvp39j6/revision/1>
- Find out more about Rostow's model of development
<https://www.bbc.co.uk/bitesize/guides/zgwm4j6/revision/2>
- Research China's One Child Policy <https://www.bbc.co.uk/bitesize/clips/zrpqxn>



Geography

Year 8 – Spring Term



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Spring 1

Topic: Dangerous World Weather

Learning Objectives

- To explain the cause, effect and management of flash flooding
- To explain the cause, effect and management of a heatwave
- To explain the cause, effect and management of tropical storms
- To evaluate the effectiveness of the response to Cyclone Idai
- To explain the cause, effect and management of drought in the Sahel
- To evaluate the significance of a drought in the UK
- To compare a tropical storm to a tornado

Extended Learning Opportunities

- Watch the news and create a mini project on a current or recent weather hazard somewhere in the world.
- Revise and test the topic of tropical storms
<https://www.bbc.co.uk/bitesize/guides/zrv4jxs/revision/1>
- Revise and test the topic of flooding – focus on flash flooding and the causes of this
<https://www.bbc.co.uk/bitesize/guides/zgycwmn/revision/1>
- Research and create a project on Cyclone Idai
<https://www.internetgeography.net/weather-and-climate/cyclone-idai-case-study/>
- Research and create a revision poster on the Japan Tsunami
<http://joelakey.com/geography/case-study-japan-earthquake-tsunami-110311/>
- Research tornadoes <https://www.nationalgeographic.com/environment/natural-disasters/tornadoes/>
- Create an information sheet about some of the weather hazards which have affected the UK this year



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Spring 2

Topic: How can poor become rich?

Learning Objectives

- Define development
- Evaluate how aid such as Goat Aid can help a country to develop
- Evaluate how a multi-national company such as Coca-Cola can help development
- Examine the impact of fair trade on development
- Assess whether our clothes should be made in factories in Bangladesh
- Evaluate whether escaping poverty is a sustainable solution

Extended Learning Opportunities

- Revise and test yourself on the topic of development
<https://www.bbc.co.uk/bitesize/guides/zvp39j6/revision/1>
- Find out about Goat Aid <https://www.youtube.com/watch?v=Zjeyn22oiiY>
- Watch the video clip to find out about Fair Trade
<https://schools.fairtrade.org.uk/resource/the-story-of-chocolate-unwrapping-the-bar/>
- Buy a fair trade chocolate bar and compare the price, taste and packaging to a standard chocolate bar
- Create a project on fair trade <https://www.fairtrade.org.uk/What-is-Fairtrade>
- Find out about a clothes stores approach to ensuring clothes are made by workers who are paid a fair wage and work in fair conditions, for example look at the New Look website
<https://www.newlookgroup.com/sustainability/ethical-trading>
- Research multi national companies <https://www.bbc.co.uk/bitesize/clips/zpy4kqt>



Geography

Year 8 – Summer Term



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Summer 1

Topic: Coasts

Learning Objectives

- Define and describe the different types of weathering e.g. freeze thaw
- Define and describe the different types of erosion e.g. hydraulic action
- Explain the formation of coastal landforms; headlands and bays, stacks and stumps, spits
- Explain the process of longshore drift
- Explain the advantages and disadvantages of different types of coastal management
- Evaluate how well the coastline at Happisburgh has been managed

Extended Learning Opportunities

- Visit a coastal location.
- Watch a TV series such as 'Coast' on BBC 2.
- Develop your understanding of this topic by reading through and creating a summary of information from bitesize: <https://www.bbc.com/education/topics/z6bd7ty>
- Make a model of caves, arches, stacks and stumps. Label each feature and explain how it formed.
- While on a visit to the coast, carry out a longshore drift experiment. Use the information sheet to guide you [https://www.rgs.org/schools/teaching-resources/coasts-\(1\)/](https://www.rgs.org/schools/teaching-resources/coasts-(1)/)
- While on a visit to a coastal location, identify the coastal landforms such as spits, arches and caves. Also identify coastal management such as groynes, gabions and sea walls.



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Summer 2

Topic: UK Weather

Learning Objectives

- To describe the physical geography and explain how this may influence the weather
- To define the term weather and know how we measure different aspects of the weather
- To explain relief, convectional and frontal rainfall
- To explain what an air mass is and explain how it influences our weather
- To explain the formation and weather associated with a weather depression
- To explain why the climate (temperature and rainfall) varies across the UK

Extended Learning Opportunities

- Learn about the British Climate and take a test using Bitesize:
<https://www.bbc.com/education/guides/zjk7hyc/revision/1>
- Make your own weather station and record the weather in your garden. This site contains instructions on how to make your own weather vane, rain gauge and thermometer box:
<http://www.k12science.org/curriculum/weatherproj2/en/activity1.shtml>
- Challenge yourself to learn how to read synoptic weather charts by watching this Met Office clip: https://www.youtube.com/watch?v=wl_FFK_HbjY Then put your new knowledge to use by explaining a weeks synoptic charts, you can find today's synoptic chart on the Met Office website: <https://www.metoffice.gov.uk/public/weather/surface-pressure/#?tab=surfacePressureColour&fcTime=1528632000>
- Create a guide to the weather. Include topics such as; global circulation patterns, seasons, weather fronts, air masses, high pressure and low pressure. The 'how weather works' section on the Met Office website is a good starting point:
<https://www.metoffice.gov.uk/learning/learn-about-the-weather/how-weather-works>