



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 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>



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Autumn 2

Topic: Into Africa

Learning Objectives

- To locate and describe places in Africa
- To identify Africa's physical features
- To identify and explain the different biomes in Africa
- To explain what life is like in Africa's shanty towns
- To explain what life is like as a salt miner in Ethiopia

Extended Learning Opportunities

- Watch David Attenborough's Introduction to Africa - <https://www.youtube.com/watch?v=Acs5Ic2RFuA>
- 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 - <https://www.bbc.com/education/guides/zh2p34j/revision/2>
- Watch the clip on the Savannah - <https://www.bbc.co.uk/programmes/b01pwtsj>
- Information on Shanty Towns in Africa http://www.bbc.co.uk/schools/gcsebitesize/geography/urban_environments/urbanisation_ledcs_rev2.shtm
- 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.
- 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

- 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
- Print a blank map of Luton and using an OS map mark on all the physical features http://d-maps.com/carte.php?num_car=97666&lang=en
- 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?
- 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>



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Spring 2

Topic: Rivers

Learning Objectives

- Explain how rivers change
- Explain how waterfalls and meanders form
- Evaluate why rivers are important
- Explain how humans pollute rivers
- Evaluate how both human and physical activity causes flooding

Extended Learning Opportunities

- Visit the following website for lots of information and visit one of the sites listed <https://www.wildlifebcn.org/wildlife/habitats/rivers-and-stream>
- For more information on rivers visit this interactive website http://www.bbc.co.uk/schools/riversandcoasts/rivers/whatis_river/index.shtml
- Information on the water cycle can be found on this website - <https://www.bbc.com/education/guides/z4bk7ty/revision/1>
- Watch the clip on rivers and the water cycle - <https://www.bbc.com/education/clips/zb39jxs>
- Watch the clip about how a river changes the shape of the land <https://www.youtube.com/watch?v=8LCrhihbsOc>
- Visit the river Lea with your family/carer – make a sketch of some of the features of the river and annotate it using geographical terms
- Make a model of a river landform or the water cycle.



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Geography

Year 7 - Summer Term



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Summer 1

Topic: Migration

Learning Objectives

- To assess why workers come to the UK
- To understand why people move within Europe
- To understand opinions on migration
- To examine the pros and cons of moving to the UK
- To assess some of the factors that may lead to migrants returning home

Extended Learning Opportunities

- Visit a polish food shop and purchase something you might like to try.
- Sit and have lunch at school with another student from a different country.
- Write to someone in another country - visit: <http://www.penpalworld.com/> to find out how.
- Cook a meal from another country and invite friends to try it.
- Visit some of the cultural events in Luton such as the Luton International Carnival <https://www.carnivalarts.org.uk/> and the Luton Mela <http://www.lutonmela.co.uk/> these are both annual events.
- Buddy up with a new student from another country and help them settle in.



Extended Learning Opportunities

Subject: Geography

Year: 7

Term: Summer 2

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/zntrkqt>
- Investigate Glaciers in the UK watch <https://www.youtube.com/watch?v=NH-vnKR6A7A>



Geography

Year 8 – Extended learning opportunities

Autumn Term



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Autumn 1

Topic: China

Learning Objectives

- To describe the human and physical geography of China
- To explain the distribution of the population of China
- To explain why China has earthquakes
- To evaluate the whether some of the deaths in the Sichuan earthquake could have been prevented
- To compare the development of China to other countries using development indicators
- To assess the impacts of the Three Gorges Dam

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)
- 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 weblink:
<http://www.coolgeography.co.uk/GCSE/AQA/Restless%20Earth/Earthquakes/Sichuan.htm>
- Learn about development and quiz your knoweldge using the BBC Bitesize site:
<https://www.bbc.com/education/guides/zvp39j6/revision/1>
- 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>



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Autumn 2

Topic: Weather and Climate in Europe

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:
<https://www.metoffice.gov.uk/learning/weather-for-kids/weather-station>
- 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>



Geography

Year 8 – Spring Term



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Spring 1

Topic: Population and Settlement

Learning Objectives

- To describe and explain how the world's population has changed
- To explain where and why sparsely and densely populated areas of the world are
- To explain why birth and death rates are different around the world
- To explain how Manchester's population has grown over time
- To explain how the settlement of Manchester's has grown over time
- To evaluate the success of Manchester's urban regeneration

Extended Learning Opportunities

- Research key ideas linked to population and migration, and create a revision mind map using the BBC Bitesize KS3 section on Population and Migration:
<https://www.bbc.com/education/guides/zkg82hv/revision/1>
- 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
- Produce an information booklet about Manchester, the Visit Manchester website provides information on travel and attractions: <https://www.visitmanchester.com/> While the local histories site provides information on how Manchester has changed over time:
<http://www.localhistories.org/manchester.html>
- Research key ideas linked to settlements and urban geography, and create an information booklet, using the BBC Bitesize KS3 section on Settlement in Urban Areas:
<https://www.bbc.com/education/guides/zkg82hv/revision/1>



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Spring 2

Topic: Coasts

Learning Objectives

- Define and describe the different types of weathering eg freeze thaw
- Define and describe the different types of erosion eg 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 using plasticine.
- While on a visit to the coast, carry out a longshore drift experiment. Use the information sheet to guide you: <http://beachcombers-kit.fish.wa.gov.au/wp-content/uploads/2011/03/Long-Shore-Drift-Field-Study.pdf>
- 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.



Geography

Year 8 – Summer Term



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Summer 1

Topic: Russia

Learning Objectives

- To describe the human and physical geography of Russia
- To draw a climate graph of a location within Russia
- To describe and explain the ecosystem distribution within Russia
- To describe and explain the population distribution within Russia
- To explain how and why Russia has changed over time

Extended Learning Opportunities

- Find out about Russia using the National Geographic site:
<https://www.natgeokids.com/uk/discover/geography/countries/russia-facts/>
- Watch 'Planet Earth' to find out about some of the extreme environments within Russia
- Create a project about Russia using the web links created by the Geographical Association to guide you: <https://www.geography.org.uk/Russia--Where-is-the-best-geography>
- Create a holiday brochure recommending where someone could visit if they were to go to Russia
- Cook Russian foods such as stroganoff, cabbage borscht or Kulich using recipes from a site such as <http://allrecipes.co.uk/recipes/tag-1225/russian-recipes.aspx>



Extended Learning Opportunities

Subject: Geography

Year: 8

Term: Summer 2

Topic: Earth's Resources

Learning Objectives

- To understand the difference between renewable and non renewable resources
- To explain the formation of coal, oil and gas.
- To evaluate the advantages and disadvantages of different sources of energy such as solar panels, wind turbines, coal, oil and gas.
- To understand that some places in the world have water shortages
- To evaluate how water shortages can be addressed

Extended Learning Opportunities

- Make a model wind turbine using the downloadable guide and materials:
<https://www.energy.gov/eere/articles/video-how-build-wind-turbine-less-20-minutes>
- Research renewable and non renewable energy and make a project from your findings:
<https://www.bbc.com/education/guides/zh7hvcw/revision/1>
- Visit a power station such as Seiswell B on the Suffolk Coast:
<https://www.edfenergy.com/energy/education/visitor-centres>
- Investigate sustainable resource use around the world such as Masdar City in Abu Dhabi
http://www.bbc.co.uk/schools/gcsebitesize/geography/urban_environments/urbanisation_medcs_rev7.shtml
- See how much of waste you can recycle or reuse at home.
- Monitor your energy use at home using your Smart Meter if you have one installed.