

**Geography**

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| **Key skills developed in this work:*** Show understanding of the principal processes operating within physical geography and human geography
* Show an understanding of the causes and effects of change on natural and human environments
* Develop an awareness of the usefulness of geographical analysis to understand and solve contemporary human and environmental problems
* Develop the ability to handle and evaluate different types and sources of information
* Develop the skills to think logically, and to present an ordered and coherent argument in a variety of ways
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| **Research work:**The activities in this document will support content in the following AS-level units:* *Core Physical Geography*
	+ Hydrology and fluvial geomorphology
	+ Atmosphere and weather
	+ Rocks and weathering
* *Core Human Geography*
	+ Population
	+ Migration
	+ Settlement dynamics

**Research activity 1 – Investigating hypotheses***Objectives:** Research and investigate current geographical local or global issues
* Use a variety of sources of information to help you with your research

*Task:** Use the internet to research the hypotheses below. These are all units covered at AS-level and will help to broaden your case study knowledge. You will also be able to use the knowledge from your previous study of geography to help you.

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| **Theme** | **Hypotheses** |
| **Hydrology and fluvial geomorphology** | * Human activities are the main cause of river flooding
* It is possible to prevent rivers from flooding
* Flooding causes only negative consequences
* Flooding affects people more than the natural environment
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| **Atmosphere and weather** | * Global warming is caused only by large organisations
* Climate change has only caused negative consequences
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| **Rocks and weathering** | * Coastal cliff collapse is caused only by physical processes
* Earthquakes cause more damage in LEDCs compared to MEDCs
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| **Population** | * There are only negative consequences for countries with ageing populations
* Birth control is the only way to reduce birth rates in a country
* A youthful population is of benefit for a country
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| **Migration** | * International migration is mainly voluntary
* Push factors are the main reason for internal and international migration
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| **Settlement Dynamics** | * Residents in shanty towns face only problems/challenges
* It is a good thing to develop in a rural-urban fringe
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**Research activity 2 – Case studies***Objectives:** Research and investigate case studies
* Use a variety of sources of information to help you with your research

*Task:** Use the internet to research one, two or more of the case studies below. These are all units covered at AS-level and will help to broaden your case study knowledge. The named examples in the table are just examples. You can explore any place or country in the world!

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| **Theme** | **Hypotheses** |
| **Hydrology and fluvial geomorphology** | * Case study 1: What are the causes and impacts of river floods, how can floods be predicted and what is the recurrence interval of floods
* Case study 2: Investigate the causes and impacts of a river flood (on the people, and environment)
* Case study 4: River management, e.g. the River Harbourne
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| **Atmosphere and weather** | * Case study 1: What are the effects of human activity on the climate, temperature (heat island), precipitation and winds
* Case study 2: Urban climates, e.g. Chicago
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| **Rocks and weathering** | * Case study 1: Explore the impacts of a volcanic eruption (MEDC or LEDC) and how the impacts can be reduced (e.g. White Island, New Zealand, 2019)
* Case study 2: Explore reasons why a landslide or mudslide has happened in an area and strategies to stop this from happening again (e.g. Uttarakhand, India, 2013)
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| **Population** | * Case study 1: The impacts of a youthful population and how governments and agencies are trying to reduce birth rates (e.g. Uganda)
* Case study 2: What are the impacts of an ageing population and how governments and agencies are trying to increase birth rates (e.g. Italy or France)
* Case study 3: China’s one-child policy and whether the two-child policy is having an impact.
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| **Migration** | * Case study 1: What is the cause, character, scale and pattern of an international migration stream and its impact on the source and receiving area
* Case study 2: Internal migration in Brazil - rural to urban (north Brazil to Sao Paulo)
* Case study 3: Mediterranean - deadly migration route
* Case study 4: International migration - Romania to the UK and Mexico to the USA
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| **Settlement Dynamics** | * Case study 1: Explore attempts to improve quality of life for shanty town residents in any country (e.g. Rio de Janeiro in Brazil, Nairobi in Kenya or Kolkata, India)
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| **Website links:**The table below lists some useful websites with free online courses:

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| **Source** | **Website** |
| Future Learn | <https://www.futurelearn.com/>Subject: Nature and Environment |
| The Open University | <https://www.open.edu/openlearn/free-courses/full-catalogue>Subject: Nature and Environment |
| Geographical Association | <https://www.geography.org.uk/Open-University-resources>Some great online courses in association with Open University.  |
| Ivy League Courses | <https://www.classcentral.com/collection/ivy-league-moocs> |

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| **Appropriate additional reading:****Current affairs – keeping in touch with the world***Objectives:** Read the news and explore what is happening in the world
* Listen to podcasts about current affairs

The table below lists some useful sources of information

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| **Source** | **Website** |
| The Conversation (news reports) | <http://theconversation.com/uk> |
| BBC News (news reports) | www.bbc.co.uk |
| The Guardian (news reports) | [www.theguardian.com/uk](http://www.theguardian.com/uk) |
| National Geographic (news reports) | [www.nationalgeographic.com/](http://www.nationalgeographic.com/) |
| Royal Geographical Society – “Ask the Geographer podcasts” | <https://www.rgs.org/schools/teaching-resources/ask-the-expert-podcasts/>  |
| The Documentary Podcast | <https://www.bbc.co.uk/programmes/p02nq0lx/episodes/downloads> |

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| **Other:**Video and other technologies can play a significant role in learning. The aim is to provide a deeper understanding of a wide range of issues and challenges in the contemporary world through videos and documentariesThe table below lists some interesting videos and documentaries which will help deepen your understanding of geography. |
| **Source** | **Website and content** |
| Netflix | * ***Into the Inferno:*** With stunning views of eruptions and lava flows it captures the raw power of volcanoes.
* ***Cowspiracy:*** Investigate the food and meat industry.
* ***Our Planet:*** Sir David Attenborough series investigating the different biomes and their varied flora and fauna.
* ***David Attenborough - A life on our planet:*** Sir David Attenborough recounts his life, and the evolutionary history of life on Earth, to grieve the loss of wild places and offer a vision for the future.
* ***Mission Blue:*** This documentary follows oceanographer Sylvia Earle’s campaign to save the world’s oceans from threats such as overfishing and toxic waste.
* ***Our Great National Parks:*** From Africa’s beaches to Japan’s islands to Australia’s Great Barrier Reef – the natural world’s untamed beauty comes into gorgeous focus.
* ***72 Dangerous Places to Live:*** Get up close and personal with avalanches, fiery volcanoes and other natural disasters and learn why some people choose to live in their destructive paths.
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