



Geography

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

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

Work through the research tasks which follow.

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.

Theme	Hypotheses
Hydrology and fluvial geomorphology	<ul style="list-style-type: none">• 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
Atmosphere and weather	<ul style="list-style-type: none">• Global warming is caused only by large organisations• Climate change has only caused negative consequences
Rocks and weathering	<ul style="list-style-type: none">• Coastal cliff collapse is caused only by physical processes• Earthquakes cause more damage in LEDCs compared to MEDCs
Population	<ul style="list-style-type: none">• 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
Migration	<ul style="list-style-type: none">• International migration is mainly voluntary• Push factors are the main reason for internal and international migration
Settlement Dynamics	<ul style="list-style-type: none">• Residents in shanty towns face only problems/challenges• It is a good thing to develop in a rural-urban fringe

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!

Theme	Hypotheses
Hydrology and fluvial geomorphology	<ul style="list-style-type: none"> • 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
Atmosphere and weather	<ul style="list-style-type: none"> • 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
Rocks and weathering	<ul style="list-style-type: none"> • 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)
Population	<ul style="list-style-type: none"> • 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.
Migration	<ul style="list-style-type: none"> • 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
Settlement Dynamics	<ul style="list-style-type: none"> • 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)

Website links:

The table below lists some useful websites with free online courses:

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. The section on ' Changing place, changing places ' is especially helpful for AS Level
Ivy League Courses	https://www.classcentral.com/collection/ivy-league-moocs

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

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
National Geographic (news reports)	www.nationalgeographic.com/
Royal Geographical Society – “Ask the Geographer podcasts”	https://www.rgs.org/schools/teaching-resources/ask-the-expert-podcasts/ Click 'Listen on soundcloud'
The Documentary Podcast	https://www.bbc.co.uk/programmes/p02nq0lx/episodes/downloads

The Inquiry (podcasts)	https://www.bbc.co.uk/programmes/p029399x/episodes/downloads
Geographical Association (podcasts)	https://www.geography.org.uk/GeogPod-The-GAs-Podcast

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 documentaries

The table below lists some interesting videos and documentaries which will help deepen your understanding of geography.

Source	Website and content
Geographical Association	<ul style="list-style-type: none"> • Interdependent world (links with the theme 'Atmosphere and weather') https://www.geography.org.uk/teaching-resources/videos/interdependent-world • Development are things getting better (links with the theme 'Population') https://www.geography.org.uk/teaching-resources/videos/development • Urbanisation (links with the theme 'Settlement') https://www.geography.org.uk/teaching-resources/videos/urbanisation • Urban poverty (links with the theme 'Settlement') https://www.geography.org.uk/teaching-resources/videos/urban-poverty
Netflix	<ul style="list-style-type: none"> • Into the Inferno: With stunning views of eruptions and lava flows it captures the raw power of volcanoes. • The Boy who harnessed the wind: About water shortage in Malawi and a boy who makes a windmill to pump water. • Cowspiracy: Investigate the food and meat industry. • Our Planet: Sir David Attenborough series investigating the different biomes and their varied flora and fauna. • Planet Earth and Planet Earth 2: Sir David Attenborough explores some of the world's different biomes • Blue Planet: More geographical joy from Sir David who takes us deep underwater to explore the world's oceans and seas. • Wild Caribbean: Explore the turbulent natural history and rich diversity of the Caribbean islands. • Frozen Planet: Go on a journey through the Arctic and Antarctic • 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.

