



ASHLYNS SCHOOL

Ashlyns School

The Challenge Curriculum

Geography



Reading task



Research task



Watching task



Student-led task



Listening task



Creative task




Writing task



Trip/visit task

Geography – Year 7

 Reading	<p>Natural Resources From the library: National Geographic</p> <p>Rivers Horrible Geography, Raging Rivers (2000) From the Geography Department: Borrow one of our DVDs to explore the natural and human world - speak to your geography teacher</p> <p>Amazing Asia Chinese focus, Changing China by Marta Block</p>
 Watching	<p>Explore the River Severn from source to mouth: River Severn</p> <p>Time for Geography River videos: Rivers</p> <p>Watch BBC's Earth's Greatest Rivers: Earth's Great Rivers</p> <p>Andrew Marr's, Megacities (BBC). Episode 1: Living in the city Living in the City</p> <p>Seven Worlds, One Planet, Episode 2 Asia Seven Worlds, One Planet</p>
 Research	<p>Create a leaflet aimed at people visiting Asia. From your knowledge choose countries/cities for them to explore. Highlight key landmarks and history of those places. Add in any exciting/interesting facts</p> <p>Virtual Tour of the Great Wall of China- Great Wall of China</p> <p>Visit the British Geological survey to find out the geology of your local area: Maps</p> <p>Visit: Seneca</p> <p>Geography KS3 course: Complete section 3 - Natural resources</p> <p>Why are the spheres so important and how do they inter-link? Why is the water cycle a closed system?</p> <p>Investigate the changes in a river close to your home or Ashlyns. Use a map or photos to show how the river and its valley change with distance downstream. Use Google Earth and screenshot a satellite image of a floodplain in the UK. Label the features.</p> <p>The history of maps. When, how and why was the first OS map created? When and why did lines of latitude and longitude begin? Why do we have north/south/east & west?</p>
 Listening	<p>Play the rock cycle game at the Royal Geological Society: The Rock Cycle</p> <p>Listen to the interviews of residents of Cockermouth following the floods of 2009 Floods</p> <p>Short Podcast on Shanghai: Shanghai</p> <p>General Geography songs: Oceans, continents and reading the map Geography Songs</p>



Science Museum: [Science Museum](#)

Natural History Museum: [Try this at home](#)

Go and find your local river

Bulbourne/Chess

Can you identify any of the following:

What course are you standing at?

Can you see any landforms or processes?

Take photos and annotate

Visit the Thames Museum in London

Trip/Visit

V&A Museum

South Asia

British Museum

China & S.Asia room 33

India room 33a

China room 33b

Korea room 67

Natural History Museum:

Explore native species and dinosaurs found in Asia

Geo-caching

Pokemon Go

Greenwich Meridian

Use an OS map (you can borrow these from school) to navigate your way around local walks/Ashridge





Student-led

Map Skills / UK Landscapes

Borrow one of the geography departments OS Maps to explore Berkhamsted and the surrounding area and to practise your 4/6 figure grid references and map reading skills

Geography – Year 8

 Reading	<p>Africa National Geographic – explore articles which show the natural diversity across the whole continent of Africa ie landscapes, wildlife, rivers, rainforests, deserts, climate</p> <p>Coasts Notes from a small island (Bill Bryson)</p> <p>Sustainable Development Why the Whales came (Michael Morpurgo) The Wild Series (Piers Torday) The Hunger Games series (Suzanne Collins)</p> <p>Weather and Climate Horrible Geography - Stormy Weather A Bear Grylls Adventure 1: The Blizzard Challenge (Bear Grylls)</p>
 Watching	<p>Watch the BBC documentary Africa: BBC iPlayer - Africa</p> <p>BBC – Seven Worlds One Planet, Episode 7, Africa Seven Worlds, One Planet</p> <p>Watch the BBC Coasts series Visit Seneca</p> <p>Geography KS3 course: Complete section 6 – coasts Knowledge booster coasts videos from Time for Geography: Coasts Videos</p> <p>Watch: Slumdog Millionaire, The Hunger Games</p> <p>What are the 17 Sustainable Development Goals SDGs</p> <p>Watch The Perfect Storm (2000) Learn more about how our weather is formed by watching some of the clips from BBC series Wild Weather: Wild Weather</p>
 Listening	<p>Horrible Histories; The British Empire in 2 minutes: British Empire</p> <p>BB4 Africa - A journey into music Africa</p> <p>Can't remember your erosional processes? Check out these geography songs: Geography Songs</p> <p>Listen to Vivaldi's Four Seasons. How does the music conjure up weather experience in each season?</p>
 Trip/Visit	<p>Natural History Museum</p> <p>Swanage Bay Studland Bay, Dorset Holderness (excellent for coastal management)</p> <p>Visit the London Docklands Museum and learn about the port of London and its major role in global trade during colonial times</p> <p>Visit the Science Museum to find out how weather is monitored and the science behind the weather. Science Museum</p>



Research

Produce a factfile on Africa showing its natural and human extremes:

- Which is its biggest and smallest cities
- It's longest/shortest river
- Highest mountain/lowest land
- Largest mammal
- Largest rainforest/desert

Use GIS to find a satellite photo of a stretch of UK coastline.

Label the main features and describe how they are formed.



Use Hans Rosling's video to investigate the relationship between life expectancy and income: [How does income relate?](#)

Use the gapminder site to research your own development indicators: [Gapminder](#)

Check out the Factfulness work on Geographypods: [Geography Pods](#)

Use the storymap to investigate Typhoon Haiyan - make notes on the impacts and severity of this tropical storm. [Haiyan](#)

Geography – Year 9

 Reading	<p>Climate Crisis World at Risk, Climate Change (Andrew Solway) This is not a drill (Extinction Rebellion)</p> <p>Conflict The Kite Runner (Khaled Hosseini) Shadow (Michael Murpogo)</p> <p>Tectonic Hazards Kids National Geographic, NG Kids Junior Adventure Blogs: NGK</p> <p>Glaciation Visit the Royal Geographical Society and read its KS3 resources on glaciation: Glaciation</p> <p>Cold Environments Extracts of Captain Scott's diary entries Deadly Pole to Pole Diaries (Steve Backshall)</p>
 Watching	<p>Climate Change, The Facts (David Attenborough) BBC#: Climate Change</p> <p>Causes and effects of climate change, national geographic Causes and Effects of Climate Change</p> <p>Blood Diamond, 2007 Ted Talk: Migration as a universal human right, Alvaro Huerta</p> <p>Pompeii (2014) Dante's Peak (1997) Professor Iain Stewart 'How the Earth Made Us, Fire' (2010) Ice Age (2012) Happy Feet Polar Express Deadly 60 Pole to Pole (BBC) Seven Worlds, One Planet, Episode 1, Antarctica: Seven Worlds, One Planet</p>
 Listening	<p>Podcast: Cutting cow farts to combat climate change Cutting cow farts</p> <p>BBC Radio 4. Listen to 'The war over Syria' The War over Syria</p> <p>BBC 4 Dangerous Earth: Volcano Dangerous Earth</p> <p>Learn about how the Lake Districts landscape was carved by glaciers Physical landscapes</p> <p>BBC Four, Antarctica In Our Time</p>



Trip/Visit

Visit the Thames Barrier. Do you think it will be able to protect us from sea level rise?

Visit London's Imperial War Museum where you can learn about conflict and modern warfare.

Visit the Volcanoes exhibition at London's Science museum where you can see the heat suits and field equipment used by volcanologists and casts of victims from the Mount Vesuvius eruption in AD79

Visit the Norwegian Glacier museum (this may be a bit far!)
But you can do a virtual tour and check out their resources here:
[The Norwegian Glacier Museum](#)

Visit the 'Scott Polar Research Institute' at the University of Cambridge to find out more about the continent



Research

Research the impacts of climate change. What do you consider to be the top 3 and explain why you think that: [Effects of climate change](#)

Explore Nasa's Climate Change work: [Climate Change](#)

Research a recent conflict e.g. Syria. Research the 5 w's (where, why, when, who, what)
[What's happening in Syria? - CBBC Newsround](#)

Use [Seneca](#)
KS3 Geography
Section 8, Earthquakes and Volcanoes




BBC Bitesize have an excellent revision source on this topic: [Plate tectonics](#)

Find a photo of a *roche moutonnee*. This glacial feature clearly shows the processes of abrasion and plucking. Make a sketch of the photo and add detailed labels describing its characteristics

Use the BBC 'Antarctica Wildlife' to understand how animals are adapted to such extreme conditions and the threats which face them in the modern world.

Visit the British Antarctic Survey website & write a factfile about what they do
[British Antarctic Survey](#)

Geography – Years 10 and 11

 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Reading</p>	<p>Challenge of Natural Hazards The Perfect Storm by Sebastian Junger</p> <p>The Living World Rainforests by Rhett Butler</p> <p>Physical Landscapes in the UK Notes from a small island by Bill Bryson</p> <p>Urban Issues and Challenges Trash by Andy Mulligan</p> <p>Changing Economic World The Almighty Dollar by Darshini David</p> <p>Challenges of Resource Management This is not a drill, Extinction Rebellion</p>
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Watching</p>	<p>Before the flood (2016) – Climate Change and solutions.</p> <p>Planet Earth, BBC</p> <p>Human Planet, BBC</p> <p>Earths Greatest Migrations</p> <p>BBC Coasts series BBC iPlayer - Coast</p> <p>The war to live in London, Regeneration Game The War to Live in London: Regeneration Game</p> <p>A Syrians Refugee Journey, TedEd A Syrian Refugee's Story</p> <p>Gasland (2010) documentary</p> <p>Catching the sun (2016)</p>
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Listening</p>	<p>BBC Four, In Our Time, Plate Tectonics In Our Time, Plate Tectonics</p> <p>BBC Four, Costing the Earth, Heroines of the Rainforest Costing the Earth, Heroines of the Rainforest</p> <p>Plan B - Ill Manors (2012). The trailer can be found here: Plan B - ill Manors [OFFICIAL VIDEO]</p> <p>'Do they know it's Christmas' by Band Aid (1984). Listen to the lyrics. What do you think? Do you think we would make a record like this today? Why/why not? Do they Know it's Christmas ~ Band Aid 1984</p>



Trip/Visit

The Natural History Museum, London
Science Museum, London
Ashridge National Park
Whipsnade ZSL Zoo
London ZSL Zoo
Natural History Museum, London
The Eden Project, Cornwall
Swanage Bay
Studland Bay
River Chess
River Severn
River Thames
Queen Elizabeth Olympic Park
Newham
London Docklands
Queen Elizabeth Olympic Park
Cambridge Science Park
Science Museum, London
Eden Project, Cornwall
The Green Britain Centre, Norfolk



Research

Use the United States Geological Survey (USGS) website, [Latest Earthquakes](#), to find a map of recent earthquakes. Describe where the recent earthquakes have occurred.

Investigate commercial palm oil farming in Malaysia

1. What is palm oil used for?
2. How is rainforest cleared to make way for this type of farming?
3. What damage is done to the natural environments?

Hard engineering is one category of coastal and river management.

Summarise the advantages and disadvantages of using hard engineering in these landscapes

'Is Bristol a worthy green capital of Europe?'

[Is Bristol a worthy Green Capital of Europe – or is it all for show?](#)

Read the Guardian article and write an argument as to whether you agree or not. Do you think it is doing better than London? Why/why not?

'Why are many of the most polluted cities in the world in Nigeria?'

[The worst cities in Africa for pollution](#)

Read the article and make notes/discuss

What is the likely future for energy production in the UK?

Read what UK Energy think it might be here: [Future of Energy](#)

Geography – Years 12 and 13



Reading

Tectonic processes and hazards

See articles on Padlet: [Padlet](#)

Geographical magazine - back copies in LRC

'Richter 10' by Arthur C. Clark & Mike McQuay (1996)

'The Day the Island Exploded' by Alexandra Pratt (2009)

'Volcano' by James Hamilton (2012)

Coastal Landscapes

See articles on Padlet: [Padlet](#)

Geographical magazine - back copies in LRC

'Coast: the journey continues' By Christopher Somerville (2006)

'The Beach book: Science of the shore' by Carl Hobbs (2012)

'Coastal flooding impacts and adaptation measures for Bangladesh' By Saquib Ahmed Khan and Ali Hossain (2012)

Globalisation

See articles on Padlet: [Padlet](#)

Geographical magazine - back copies in LRC

'The mighty dollar' by Darshini David

'No logo' By Naomi Klein (1999)

'Fugitive Denim' By Rachel Louise Snyder (2008)

'Globalisation and the environment: Capitalism, Ecology and Power' By Peter Newell (2012)

Regeneration

See articles on Padlet: [Padlet](#)

Geographical magazine - back copies in LRC

'Remaking London: Decline and regeneration in urban culture' By Ben Campkin (2013)

'London' By Edward Rutherford (1997)

'City rebranding: Theory and Cases' By Keith Dinnie (2010)

The water cycle and water insecurity

'The water wars' by Cameron Stratcher (2011)

See articles on Padlet: [Padlet](#)

Geographical magazine - back copies in LRC

The carbon cycle and energy security

'The Quest: Energy, security and the remaking of the Modern World' By Daniel Yergin (2011)

'Powerdown: Options and actions for a post carbon world' By Richard Heinberg (2004)

'Energy security: Economics, politics, strategies and implications' By Carlos Pascual and Jonathan Elkind (2009)

See articles on Padlet: [Padlet](#)

Geographical magazine - back copies in LRC

Superpowers

Prisoners of Geography by Tim Marshall (2016)

Worth dying for: the power and politics of flags' Tim Marshall (2017)

'Superpower: Three choices for America's role in the world' By Ian Bremmer (2015)

'China Inc.' By Ted C. Fisherman (2006)



Geographical magazine - back copies in LRC

Health, human rights and intervention

Factfulness Hans Rosling (2019)

21 lessons for the 21st century by Yuval Noah Harari (2019)

Geographical magazine - back copies in LRC

 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Watching</p>	<p>Pompeii (2014) San Andreas (2015) The Impossible (2012)</p> <p>Global Flooding over the next 100 years by National Geographic Flood (2007) Extreme Engineering: Venice Flood Gates (2004)</p> <p>The way home (2002) Capitalism: A love story (2009) Bombay calling (2006) Slumdog Millionaire (2008)</p> <p>The Full Monty (1997) The war to live in London: Regeneration Game (2015) My Brooklyn (2015)</p> <p>Flood (2007) More than a river (2005) Blue Gold: World Water Wars (2008)</p> <p>Switch (2012) Syriana (2005) There will be blood (2007) Bitter Lake (2015)</p> <p>Superpower (2008) Deutschland 83 (2016) BBC Superpowers: Superpowers 2014 programme onwards</p> <p>Hotel Rwanda (2004) Winter on fire: Ukraine's fight for freedom (2015)</p>
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Listening</p>	<p>Plate tectonics and earthquake prediction: RGS</p> <p>Mapping population and displacements Geography resources for teachers</p> <p>Shoreline changes and sea level rise in Ghana Geography resources for teachers</p> <p>The Mediterranean migration crisis Geography resources for teachers</p> <p>Gentrification and creative practices Geography resources</p> <p>Urban transformation and belonging Urban Transformation</p> <p>Rural gentrification Geography resources for teachers</p> <p>What are the big challenges for global water security: RGS Costing the Earth</p> <p>RGS podcast - Forests and the carbon cycle Geography resources</p> <p>Giant Icebergs and the carbon cycle: Geography resources</p> <p>A conversation with Tim Marshall Geography resources</p> <p>Ocean governance and political seas: RGS</p> <p>What is the relationship between comic books and geopolitics RGS</p> <p>How does international aid work? RGS</p>



Research

How does living in an increasingly inter-connected world increase our vulnerability to natural disasters?

What are the main factors increasing our exposure to the risks from natural hazards?

How are coastal megacities increasingly exposed to the impacts of climate change?

Who are the main organisations and groups responsible for managing coastal change?

What does the future hold for our globalised world?

Is there evidence to suggest that anti-globalisation movements are threatening globalisation processes?

How will Covid-19 have impacted on the need to regenerate and our ability to do so?

Is regeneration a contested issue?

What are some of most significant water conflicts happening in the modern world?

Who are the winners and losers from the use of large scale top-down development water management strategies?

Which countries in the world have the greatest energy security?

How far can climate change strategies help rebalance the carbon cycle?

Using a timeline explain how power has shifted over time from a uni-polar to multi-polar world.

How successful do you believe the ICHR has been? What evidence do you have to illustrate this view?