



Geography

The Super Curriculum

The Super Curriculum

Super curricular activities are those that take your regular curriculum *further*. They take the subjects you study in the classroom *beyond* that which your teacher has taught you or what you've done for home learning. For example, you may go into more depth on something you picked up in the classroom, or learn about a new topic altogether.

These activities are normally in the form of extra reading but they can take many other forms, like watching videos online, downloading podcasts, attending lectures, visiting museums or entering academic competitions.

Engaging in super curricular activities will help you develop a love for your favourite subject or subjects. In this booklet, there are a range of activities, suggested by your teachers. They are by no means exhaustive lists but should get you started. I would encourage you to share ideas and opportunities you come across with your teachers so that, over time, the recommended activities in this booklet can grow.

In the future, employers or universities will be interested to hear about what super curricular activities you have engaged in; they will be interested in what you have learnt and impressed by your efforts.

I wish you well in your pursuit of super curricular activities!

Dr Caroline Creaby
Deputy Headteacher: Curriculum

Super Curriculum – Year 7
Subject: GEOGRAPHY

Map Skills	Extreme Environments	China	Ecosystems	Rivers
 <p>School library section 551, 912 Mapping Britain's Landscapes, Coasts, by Barbara Taylor (551.4) Mapping Britain's Landscapes, Rivers, by Barbara Taylor (551.48) Children's Atlas (912) Harry Potter, (Marauder's Map) JRR Tolkien's Lord of the Rings (map of Middle Earth)</p>	 <p>School library section 551 Extreme Earth, Visual Explorers 551.2 Geography Fact Files, Deserts by Anna Claybourne (551.41) Horrible Geography - Bloomin' Rainforests (2001)</p>	 <p>School library section 951 Travel Through China, Come on a journey of discovery by Lynn Huggins-Cooper (951) Chinese Focus, Changing China, by Marta Block</p>	 <p>School library section 574.5/581 Planet Habitats, Louise & Richard Spiisbury (581) Horrible Geography: Bloomin' Rainforest</p>	 <p>School library section 551.48 Mapping Britain's Landscapes, Rivers, by Barbara Taylor (551.48) Geography Fact Files, Rivers by Mandy Ross (551.48) Horrible Geography - Raging Rivers (2000)</p>
 <p>Master and commander (2003) Lord of the rings (2001)</p>	 <p>Plant Earth – Deserts, Mountains, From Pole to Pole. BBC Human Planet: Arctic – Life in the deep freeze. Deserts – Life in the furnace Mountains – life in the air</p>	 <p>Supersized Earth – Episode 2 Bridge Building Mulan (1998)</p>	 <p>Ecosystems class clips, BBC http://www.bbc.co.uk/education/topics/ztgw2hv/resources/1 BBC Human Planet – Jungles. Planet Earth, Jungles Avatar (2009) Madagascar (2005)</p>	 <p>BBC Human Planet-Friend or foe? Supersized Earth, episode 3, Food, Fire and Water (Water) Into the wild (2007) Planet Earth, Fresh Water</p>
 <p>The history of maps. When, why and how did the OS map begin? When and why did lines of latitude and longitude begin?</p>	 <p>How to plants adapt to living in deserts/rainforests/polar regions. What features do they have to ensure their success? Name the plants, label and annotate their features using a diagram</p>	 <p>Choose one animal that is threatened by China's development. Create a poster to support a campaign to protect it. You could include how it is threatened, where (location map) & what you want people and the government to do to help.</p>	 <p>Research and create fact files for 5 of the world's main biomes</p>	 <p>Research about the past, present and future plans for the Thames Barrier London. Find out when was it built, how much did it cost, how does it work, how has the usage changed since it was built, what the future plans to protect London? Research areas at risk of flooding using ArcGIS</p>
 <p>Write an adventurous story using OS map symbols (to replace words)</p>	 <p>Imagine you are travelling through an extreme environment of your choice. Write a diary entry of a particularly difficult day. How did you feel, how did you survive?</p>	 <p>Create a leaflet aimed at tourists visiting China. It could include basic information about currency, language, transport. You could recommend two places to visit in China & explain why they are interesting sites to see</p>	 <p>First watch this link: http://www.bbc.co.uk/education/clips/zpmb4wx Now imagine you are a member of The Korowai tribe live in a remote region of the hot and humid West Papuan rainforest. Write about a day in your life.</p>	 <p>Imagine you live near a river that has just flooded your home. Write a story about your experience or write a letter to the local council persuading them to do more to help manage the river in the future.</p>
 <p>General Geography Songs: Oceans, Continents, and Reading the Map http://www.songsforteaching.com/geographysongs.htm</p>	 <p>BBC Four, Food in extreme places: Antarctica http://www.bbc.co.uk/programmes/b075mhqr</p>	 <p>Chinese pop music (C-Pop). Look up on YouTube e.g. https://www.youtube.com/watch?v=KotloTRNMqY Compare to traditional Chinese Music</p>	 <p>BBC Four, Costing The Earth, Heroines of the Rainforest http://www.bbc.co.uk/programmes/b08hnlv0</p>	 <p>BBC Four, A Tale of Two Rivers: Kuala Lumpur http://www.bbc.co.uk/programmes/p0574s8w</p>
 <p>Greenwich Meridian Pokemon Go Geocaching London Transport Museum</p>	 <p>The British Museum, London – The Amazon, Brazil Natural History Museum, London ZSL London Zoo ZSL Whipsnade</p>	 <p>China Town, Local Chinese restaurant V&A South Asia, China</p>	 <p>Epping Forest Kew Gardens Heartswood Forest Chiltern AONB Lee Valley Regional Park Epping Forest ZSL London Zoo ZSL Whipsnade Rainham Marshes</p>	 <p>River Lea River Thames River Ver River Stort Thames Museum, London</p>

Super Curriculum – Year 8
Subject: GEOGRAPHY

Earthquakes and tsunamis	Urban	Coasts	Weather	Population	Antarctica
 School library section 551.2 Sweeping Tsunami's, Louise & Richard Spilsbury (551.2) Our Earth In Action, Earthquakes by Chris Oxlade (551.2) Running Wild, by Michael Morpurgo Horrible Geography - Earth-Shattering Earthquakes (17 November 2000)	 KS3 Geography Complete Study & Practice	 School library section 551 Coasts, by Barbara Taylor (551.4) Coral reefs, Go Fact (551.42) Notes from a small island by Bill Bryson Horrible Geography - Cracking Coasts (22 May 2006)	 Horrible Geography – Stormy Weather A Bear Grylls Adventure 1: The Blizzard Challenge: by Bear Grylls	 The Lightless Sky: An Afghan Refugee Boy's Journey of Escape to A New Life in Britain by Gulwali Passarlay and Nadene Ghouri If the World Were a Village: A Book about the World's People (CitizenKid) by David Smith	 School library section 998 Antarctica (New True Books: Geography) by Mel Friedman Horrible Geography Perishing Poles (2002) Glaciers and Glaciation, 2nd Edition by Douglas Benn Extracts of Captain Scott's Diary entries
 The Impossible, 2012, Naomi Watts/Ewan McGregor	 SuperSized Earth Episode:1 A Place to Live (1 of 3) PT.2	 BBC Coasts Series	 The Perfect Storm (2000)	 Lion 2016	 Ice Age Steve Backshall's BBC Earth series, "Deadly 60 Pole to Pole". 'Happy Feet'
 USGS – GIS Find out what live earthquakes are happening using real-time data and their magnitude. Is there a correlation?	 How is New York adapting their transport system to cope with the growing urban population	 Investigate what it is like to live with erosion at the Holderness Coast. https://esriukeducati.on.maps.arcgis.com/apps/MapSeries/index.html?appid=760af30c37a245acbd546cf42c7ec0cb	 Use the storymap to investigate Typhoon Haiyan and make notes on the terrible disaster. https://notredameco.bham.maps.arcgis.com/apps/Cascade/index.html?appid=bba35e41b8da423498ae3bf461e161c8	 Use the Guardian website to research the latest issues around the rising global population: https://www.theguardian.com/world/population	 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. http://www.bbc.co.uk/nature/places/Antarctica
 Write an instruction manual for somebody in an earthquake zone detailing what to do in the event of a quake. What advice would you give?	 Imagine you have just moved from the countryside to an urban area in an LIC. Write a postcard home outlining your experiences.	 Write a letter to Holderness Council recommending what types of defences they should put in place at Holderness.	 A depression system is coming in from the Atlantic and moving East over the British Isles. Write a weather forecast for the next 24 hours outlining what the weather will be like.	 Imagine you are a migrant fleeing your homeland and heading for the UK. Write a diary entry for a day in your life outlining your perilous journey and what you hope to find when you arrive.	 Imagine you are an explorer like Captain Scott. Create a dairy entry of your own.
 Listen to the sound of an earthquake and match it to the event that created it. https://www.usgs.gov/media/videos/listen-earthquakes	 Stories by the City http://www.storiesofourcity.org/home/stories-by-map	 BBC Four, Holding Back the Sea http://www.bbc.co.uk/programmes/b004pbmk1	 Listen to Vivaldi's Four Seasons. How does the music conjure up weather experienced in each season?	 BBC 4 Programme 'Migration for Whom'? http://www.bbc.co.uk/programmes/b03nbsgd	 BBC Four, Antarctica http://www.bbc.co.uk/programmes/b00ss2th
 Visit the earthquake simulator at the Natural History Museum in London. The earthquake simulation is themed on a Japanese supermarket and was installed a long time before the destructive Japanese earthquake in March 2011	 Visit any urban area, such as London. Take time to observe how cities manage transport to cope with large numbers e.g. segregated lanes, schemes to encourage use of public transport, methods to stop people using cars. Plan your transport e.g. use a tube map to plan your route	 Any coastline! See if you can see how people have used the land along the coast. Is it completely natural? Are there facilities to attract tourists? Are there management strategies to protect the coast from erosion?	 Visit London's Science Museum to find out more about how weather is monitored and the science behind our weather.	 Visit the 'Crossing Borders' exhibition at the British Museum in London to find out about European Migration throughout history.	 Visit the 'Scott Polar Research Institute' at the University of Cambridge to find out more about the continent.

Super Curriculum – Year 9
Subject: GEOGRAPHY

Conflict	Tectonics and Volcanoes	Development	Environmental concerns
 <p>The Kite Runner, by Khaled Hosseini Shadow, by Michael Morpurgo</p>	 <p>School library section 551.2 Our Earth In Action, Volcanoes by Chris Oxlade (551.2) Kids National Geographic – NG Kids Junior Adventures Blogs www.natgeokids.com</p>	 <p>Why the Whales came, by Michael Morpurgo The Hunger Games series by Suzanne Collins</p>	 <p>School library section 551.6 Issues Today, Issue 11, Climate Change by Claire Owen (551.6) World at Risk, Climate Change by Andrew Solway (551.6)</p>
 <p>Blood Diamond, 2007 Ted Talk - Migration as a universal human right, Alvaro Huerta</p>	 <p>Pompeii, 2014 Dante's Peak (1997) 2012 Ice Age, Watch Professor Iain Stewart's documentary 'How the Earth Made Us, Fire (2010)'.</p>	 <p>The Hunger Games Slumdog Millionaire Make Poverty History TED: Lisa Kristine Modern Slavery https://www.youtube.com/watch?v=vLzj8Oqx7ow</p>	 <p>Erin Brockovich, 2000 Finding Dory Avatar Steve Backshall's BBC Earth series, "Deadly 60 Pole to Pole".</p>
 <p>Research a recent conflict, e.g. Syria. Research the 5 w's (where, why, when, who, what). http://www.bbc.co.uk/programmes/p039w06x</p>	 <p>Use BBC Bitesize to find out more about Tectonics http://www.bbc.co.uk/schools/gcsebitesize/science/aqa_pre_2011/oils/changesrev2.shtml</p>	 <p>Watch Hans Rosling's video on the relationship between life expectancy and income. http://www.bing.com/videos/search?q=development+gap+minder+hans+rosling&&view=detail&mid=6D516A060C791B543DA56D516A060C791B543DA5&FORM=VRDGAR Then use the Gap Minder website to research your own development indicators. http://www.gapminder.org</p>	 <p>Compile a fact file on the impacts of climate change. What do you consider the worst 3 to be? Justify your opinion. http://www.metoffice.gov.uk/climate-guide/climate-change/impacts</p>
 <p>Read some poems about conflict and then have a go at writing your own. https://www.poetrysoup.com/poems/conflict</p>	 <p>Write a short story about your journey to the centre of the earth. Try to include all of the different layers and characteristics OR write an acrostic poem about a Volcano. Try to include as many features and characteristics as you can i.e. lava bombs.</p>	 <p>Write a diary entry for somebody your age in a LIC. Think about how their life would differ to yours and try to consider how they might feel about their life.</p>	 <p>Imagine it is the Year 2050 and attempts by governments to reduce carbon emissions have been unsuccessful. Write a diary entry about a day in your life. Think how life might be different (e.g. rising sea levels)</p>
 <p>BBC Radio 4; Listen to 'Conflict over Syria' to learn about the conflict. http://www.bbc.co.uk/programmes/b01qcrhj</p>	 <p>BBC Four, How A Volcano Shaped The World http://www.bbc.co.uk/programmes/p033k7qh Layers of the Earth https://www.youtube.com/watch?v=Q9j1xGaxYZY</p>	 <p>Comic relief Podcasts http://www.bbc.co.uk/programmes/p00545ld BBC 4, Africa http://www.migrationmuseum.org/</p>	 <p>Cutting Cow Farts to Combat Climate Change http://www.bbc.co.uk/programmes/p058bypc</p>
 <p>Visit London's Imperial War Museum where you can learn about conflict and modern warfare.</p>	 <p>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 AD 79</p>	 <p>Learn about the Port of London and its role as a major trading port during the British Empire at the London Docklands Museum.</p>	 <p>Visit the Thames Barrier. Find out how it protects London from flooding. Will it be able to cope with rising sea levels</p>

Super Curriculum – Year 10 & 11
Subject: GEOGRAPHY

Challenge of Natural Hazards	The Living World	Physical Landscapes in the UK
 The Perfect Storm by Sebastian Junger	 Rainforests by Rhett Butler	 Notes from a small island by Bill Bryson
 Before the flood (2016) – Climate change and solutions.	 Plant Earth Human Planet Earth's Greatest Migrations	 BBC Coasts Series
 Use the United States Geological Survey (USGS) website (https://earthquake.usgs.gov/earthquakes/map/) to find a map of recent earthquakes. Copy and paste the map and describe where the recent earthquakes have occurred.	 Investigate commercial oil palm farming in Malaysia. 1. What is oil palm used for? 2. How is rainforest cleared to make way for this type of farming? 3. What damage is done to habitats and the natural environment?	 Find an example of a coastline with headlands and bays. Search for a map or satellite photo and add labels to describe the main features. Find out about the different geology.
 A second powerful earthquake struck Nepal on 12 May 2015 under a month after the first earthquake. Write a one sided sheet explaining how this might affect the country's recovery?	 Imagine you are a conservationist working in a tropical rainforest. Write a two minute presentation on the importance of soil in the tropical rainforest biome.	 Hard engineering is one category of coastal management. Summarise the advantages and disadvantages of using hard engineering.
 BBC Four, In Our Time, Plate Tectonics http://www.bbc.co.uk/programmes/b008q0sp	 BBC Four, Costing The Earth, Heroines of the Rainforest http://www.bbc.co.uk/programmes/b08hnly0	 BBC Four, Holding Back the Sea http://www.bbc.co.uk/programmes/b04pbmk1
 Natural History Museum, London Science Museum, London	 Heartswood Forest Chiltern AONB Lee Valley Regional Park Epping Forest ZSL London Zoo ZSL Whipsnade Kew Gardens Rainham Marshes	 Swanage Bay Studland Peninsula River Colne River Ver Walton-on-the-naze



Reading task



Listening task



Research task



Creative task



Writing task



Watching task



Trip or visit



Student-led task

Super Curriculum – Year 10 & 11
Subject: GEOGRAPHY

Urban Issues and Challenges	Changing Economic World	Challenge of resource management
 Trash by Andy Mulligan	 The bottom billion by Paul Collier? (YES!) Dead Aid: Why aid is not working and how there is another way for Africa by Dambisa Moyo	 The Burning Question: We Can't Burn Half the World's Oil, Coal and Gas. So How Do We Quit? By Berners-Lee
 The war to live in London: Regeneration Game (2015)	 'A Syrian Refugee's story'- TedEd	 Gasland (2010) Documentary Catching the Sun (2016)
 'Is Bristol a worthy Green Capital of Europe- or is it all for show?' The Guardian Online Research the above. Do you agree?	 'Why are many of the most polluted cities in the world in Nigeria?' http://edition.cnn.com/2016/05/31/africa/nigeria-cities-pollution/index.html	 'Natural Gas is the future , not coal' http://www.cbsnews.com/news/natural-gas-coal-future/ Do you agree? Are there alternatives?
 'Is Bristol a worthy Green Capital of Europe- or is it all for show?' Answer in no more than 500 words.	 'Can Nigeria develop whilst reducing dangerous pollution levels?' Answer in no more than 500 words.	 'Natural Gas is the future of Energy. Do you agree?' Answer in no more than 500 words.
 'Ghost town' by the Specials (1981) 'Ill manors' by Plan B (2012)	 'Do they know it's Christmas' (1984) by Band Aid	 BBC Radio 4 Podcast – The Bottom Line http://www.bbc.co.uk/programmes/b06z56m9
 Bristol- Bristol Harbourside, Temple Quarter, Cabot Circus, Bristol Arena, Bristol's Brunel's Engine Shed	 London Docklands Queen Elizabeth Olympic Park	 Science Museum, London The Green Britain Centre, Norfolk



Reading task



Listening task



Research task



Creative task



Writing task



Watching task



Trip or visit



Student-led task

Super Curriculum – Year 12 & 13
Subject: GEOGRAPHY

Tectonic Processes and Hazards	Coastal Landscapes	Globalisation	Regenerating Places
 'Richter 10' by Arthur C. Clark and Mike McQuay (1996) 'The day the island exploded' by Alexandra Pratt (2009) 'Volcano' by James Hamilton	 '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)	 'No logo' By Naomi Klein (1999) 'Fugitive Denim' By Rachel Louise Snyder (2008) 'Glbalisation and the environment: Capatalism, Ecology and Power' By Peter Newell (2012)	 '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)
 Pompeii (2014) San Andreas (2015) The Impossible (2012)	 Global Flooding over the next 100 years by National Geographic Flood (2007) Extreme Engineering: Venice Flood Gates (2004)	 The way home (2002) Capitalism: A love story (2009) Bombay calling (2006)	 The war to live in London: Regeneration Game (2015) My Brooklyn (2015)
 What makes some locations at greater risk from tectonics than others?	 How far does geology and lithology help to create unique coastal landscapes?	 What have been the main drivers and players leading to the expansion of the globalised world?	 How far do the processes of regeneration need to be different in rural compared to urban areas?
 Answer the following: How successful is the management of tectonic hazards and disasters?	 Answer the following question: How far has management of coastal landscapes created unintended consequences?	 Answer the following: Is there evidence to suggest that anti-globalisation movements are threatening globalisation processes?	 Answer the following: Why is regeneration such a contested issue?



Reading task



Listening task



Research task



Creative task



Writing task



Watching task



Trip or visit



Student-led task

Super Curriculum – Year 12 & 13

Subject: GEOGRAPHY

The water cycle and water insecurity	The carbon cycle and energy security	Superpowers	Migration, identity and sovereignty
 <p>'Flood' By Richard Doyle (2002) 'The Grapes of Wrath' By John Steinbeck 'The water wars' By Cameron Stracher (2011)</p>	 <p>'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)</p>	 <p>'Superpower: Three choices for America's role in the world' By Ian Bremmer (2015) 'China Inc.' By Ted C. Fisherman (2006) 'Tinker Tailor Soldier Spy' By John Le Carre 'Prisoners of Geography' Tim Marshall</p>	 <p>'Zebra Crossing' By Meg Vandermerwe (2013) 'Sovereignty: An evolution of an idea' By Robert Jackson (2007) 'The no-nonsense Guide to international migration' By Peter Stalker (2008)</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>The New Rulers of the World (2001) Superpower (2008) Deutschland 83 (2016)</p>	 <p>Goal! (2005) Terraferma (2011) Winter on fire: Ukraine's fight for freedom (2015)</p>
 <p>Research how and why different people have different attitudes towards water supply.</p>	 <p>How does the carbon cycle operate to maintain planetary health?</p>	 <p>What are the superpowers and how have they changed over time?</p>	 <p>What are the impacts of globalisation on international migration?</p>
 <p>Answer the following question: Was the Thames Barrier worth the cost?</p>	 <p>Answer the following question: What are the consequences for people and what environment of our increasing demand for energy?</p>	 <p>Answer the following question: What are the impacts of superpowers on the global economy, political systems and the physical environment?</p>	 <p>Answer the following question: What are the threats to national sovereignty in a more globalised world?</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task



Sandringham School

'Everybody can be Somebody'