

### OALH Geography Curriculum: Long Term Plan

#### Core concepts in Geography:

Concept:	Definition:
<b>Place and space</b>	Space (locational knowledge) and place (geographical imaginations) embedded through understanding the interactions between places and the networks created by flows of people.
<b>Scale</b>	Exploring geography through different lenses at local, national and global levels.
<b>Physical and human processes</b>	Understanding a sequence of events that occur in the natural world (physical processes) and the activities that lead to change in societies (human processes) and how they sometimes interact with each other.
<b>Environmental impact and sustainable development</b>	Growing awareness of environmental consequences while meeting the needs of people today without harming the needs of the future.
<b>Interdependence</b>	Interconnections explore how people and natural events in places are interconnected with other places in a variety of ways. These interconnections have significant influences on the characteristics of places and on changes in these characteristics.
<b>Cultural awareness</b>	The promotion of cultural diversity by being empathetic towards those from other cultures.

#### Types of knowledge in Geography:

Type of knowledge:	Definition:	Example:
Substantive knowledge	This is the content that is to be learned.	<i>Tectonic hazards occur along plate boundaries</i>
Disciplinary knowledge	The origins of substantive knowledge.	<i>We understand that tectonic hazards occur along plate boundaries partly because Alfred Wegener suggested the theory of continental drift</i>

**Year 7**

**Brief overview**

Across year 7, students are introduced to key topics of tectonics hazards, development, weather and climate, rivers, and the Middle East. Students should arrive to KS3 with an understanding of the world’s continents, countries, oceans and lines of latitudes. This prior understanding is drawn on during the Autumn 1 unit where students study the world at a local, national, and global scale. During this unit students start to think about these locations in a physical and human context and start to think about their sense of place. With a firm locational knowledge of the world, Autumn 2 focuses on social and economic development whereby students are exposed to the idea of development for the first time. During this unit of work, students gain an understanding of differing levels of development globally and the ways in which we measure these levels of development. Their learning during Autumn 2 is instrumental in helping students’ access future learning, such as how tectonic hazards have varying impacts on countries at differing levels of development in Spring 1. Tectonic hazards as a unit explores the causes, impacts and responses to tectonic hazards, such as earthquakes and volcanoes. Tectonic Hazards, in which students will study the causes, impacts and responses to earthquakes and tsunamis with a focus on volcanic hazards. Spring 2 introduces students to weather and climate where students explore weather processes, climate zones and the impacts extreme weather events have on people and the environment. Summer 1 focuses on rivers and their associated processes and landforms. Students are introduced to the concept of interconnectedness of the physical and human world through studying how physical events impact on the human world, as well as how human action can influence the physical world. The final unit of study is a study of The Middle East, whereby students will be introduced to countries in the Middle East such as the UAE and Yemen. The unit aims to build on student’s previous knowledge of many units including the physical landscapes, climate, social and economic development.

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit title	<b>Geography of the UK and beyond</b>	<b>Social and Economic Development</b>	<b>Natural Hazards</b>	<b>Weather and climate</b>	<b>Rivers</b>	<b>Study of the Middle East</b>
Relevant core concepts	<i>Place and space, scale, interdependence, physical and human processes, environmental impact and sustainable development, cultural awareness</i>					
Relevant end point	<ul style="list-style-type: none"> <li>○ <i>Place and space:</i> To extend their knowledge of locations and deepen their spatial awareness of the world. Start to recognise the significance of location in shaping us and how we experience the world in the way that we do. To recognise that place has shaped development and where people inhabit.</li> <li>○ <i>Scale:</i> To be able to understand geography through a variety of different lenses; considering local, national and global scales.</li> <li>○ <i>Interdependence:</i> To be able to understand the key physical and human processes that shape the world in which we live. To recognise how human and physical processes interact to influence, and change landscapes.</li> <li>○ <i>Physical and human processes:</i> To be able to appreciate that human (and sometimes physical) actions can have environmental consequences. To understand how human and environmental impact can be lessened to achieve sustainability by meeting the needs to people today without compromising the needs of people in the future.</li> <li>○ <i>Environmental impact and sustainable development:</i> To develop a sense of how any particular place and its relations fit into the bigger picture helping to support links between varying scales</li> <li>○ <i>Cultural awareness:</i> To develop an appreciation and awareness of differences between themselves and people from other countries or other backgrounds, especially differences in attitudes and values.</li> </ul>					
Core substantive knowledge	<ol style="list-style-type: none"> <li>Physical geography of local area</li> <li>Human geography of local area</li> <li>UK physical Geography - skills focus: Contour lines and relief</li> <li>Skills focus: 4 figure grid references in the deciduous forest (6 figure grid references optional)</li> <li>UK’s population – skill focus scale and distance</li> <li>Direction (compass) and UK’s resource distribution: <i>food, water, energy in relation to population distribution</i></li> <li>Settlement types</li> <li>Name and location of the world’s seven continents and five major oceans - skills focus: Lines of longitude and latitude</li> <li>World’s resource distribution (<i>food, water, energy</i>) in relation to continents and oceans</li> <li>Closer look at Europe – skills focus mathematical skills: mean, mode, median, range, interquartile range</li> </ol>	<ol style="list-style-type: none"> <li>Employment sectors (<i>Primary, Secondary, Tertiary, Quaternary</i>)</li> <li>Changing economies around the world</li> <li>Comparative economies around the world</li> <li>Development indicators (<i>for example, birth rate, life expectancy, GDP</i>)</li> <li>Causes of the development gap</li> <li>Impact of colonisation (Haiti)</li> <li>Quality of life in an LIC, NEE and HIC</li> <li>Reducing the development gap</li> <li>Fair trade</li> <li>Skills – 4 and 6 figure grid references</li> </ol>	<ol style="list-style-type: none"> <li>Define and identify types of natural hazards</li> <li>Structure of the earth</li> <li>Types of plate boundaries (<i>constructive, destructive, conservative, collision</i>)</li> <li>Define and explain the formation of a volcano</li> <li>Effects of a volcanic eruption example</li> <li>Prediction, preparation, protection for both a volcano and earthquake</li> <li>Define and explain the formation of an earthquake</li> <li>Effects of an earthquake example</li> <li>Define and explain the formation of a tsunami</li> <li>Effects of a tsunami example</li> <li>The reasons people choose to live in areas of risk</li> </ol>	<ol style="list-style-type: none"> <li>Define weather and climate and the ways we measure weather</li> <li>Interpreting weather systems</li> <li>Types of rainfall and the formation of rain (frontal, convectional and relief)</li> <li>Air pressure systems</li> <li>Extreme weather events at varying scales (<i>Beast from the East, Australian wildfires, Hurricanes in North America</i>)</li> <li>Describing climates using climate graphs</li> <li>Explaining climates around the world</li> <li>Climatic zones around the world</li> <li>UK weather and the roundabout</li> <li>Skills – lines of longitude and latitude</li> </ol>	<ol style="list-style-type: none"> <li>Water cycle and a river’s drainage basin</li> <li>The use of rivers</li> <li>River processes (<i>erosion, transportation, deposition</i>)</li> <li>Landforms in the upper course (<i>waterfall and gorge</i>)</li> <li>Landforms in the middle course (<i>meander and ox-bow lake</i>)</li> <li>Skills (<i>grid references, contour lines, identifying river landforms on an OS map</i>)</li> <li>Causes and impacts of flooding</li> <li>Managing rivers (<i>Embankments, Flood relief channel, afforestation, land use zoning, planning/preparation</i>)</li> <li>Storm hydrographs</li> <li>Skills – contour lines and relief</li> </ol>	<ol style="list-style-type: none"> <li>Introduction to the Middle East (<i>biomes found there, population distribution and concerns of climate change</i>)</li> <li>Physical landscapes of the Middle East (<i>Hot Desert</i>)</li> <li>Climate of the Middle East (<i>climate graphs</i>)</li> <li>Population of the Middle East</li> <li>Economic importance of the Middle East</li> <li>Resources in the Middle East</li> <li>Development in the Middle East (UAE)</li> <li>Deprivation of Yemen</li> <li>Conflict in the Middle East</li> <li>The role of the western world in the Middle East’s conflicts.</li> </ol>

<p><b>Core disciplinary knowledge</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Observation of local areas to determine physical and human landscape features</li> <li><input type="checkbox"/> Studies from geographers to determine demographics and distribution in an area</li> <li><input type="checkbox"/> The idea that demographics can change over time</li> <li><input type="checkbox"/> Geographers who study maps (cartography) to determine location of continents, oceans, and resources.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Geographers who study employment sectors to determine differing categories and make judgements about the types of jobs that fit into each</li> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such office for national statistics</li> <li><input type="checkbox"/> Observation of quality of life at varying scales to determine the features of an LIC, NEE and HIC</li> <li><input type="checkbox"/> Geographers who have studied the ways to reduce the development gap, including the fair trade programme</li> <li><input type="checkbox"/> News and social media</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Geographers who study hazards (including the categorisation between meteorological and tectonic hazards)</li> <li><input type="checkbox"/> Theory of continental drift and convection currents</li> <li><input type="checkbox"/> Geographers such as Alfred Wegener in 1912 who suggested the theory of continental drift</li> <li><input type="checkbox"/> Geologists who study natural hazards</li> <li><input type="checkbox"/> News and social media</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Climatologists who study weather and climate globally</li> <li><input type="checkbox"/> Climatologists who study types of rainfall globally</li> <li><input type="checkbox"/> Climatologists who observe extreme weather events at varying scales</li> <li><input type="checkbox"/> Geographers who create climate graphs and interpret differing climates globally</li> <li><input type="checkbox"/> An understanding that climates can change, a climate graph is a snapshot at one time</li> <li><input type="checkbox"/> News and social media</li> <li><input type="checkbox"/> Meteorologists who help people to determine upcoming weather</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Limnologists (those who study fresh water) who dedicate their work to understanding and protecting rivers</li> <li><input type="checkbox"/> Observation to determine similar characteristics in rivers at varying scales</li> <li><input type="checkbox"/> Cartographers who create maps to help determine features such as the relief of land</li> <li><input type="checkbox"/> Geographers who plan how to protect areas from flooding</li> <li><input type="checkbox"/> Observation to determine the causes and impacts of flooding</li> <li><input type="checkbox"/> Geographers who create storm hydrographs</li> <li><input type="checkbox"/> News and social media</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Geographers who study demographics and characteristics of places</li> <li><input type="checkbox"/> News and social media</li> <li><input type="checkbox"/> An understanding that characteristics change over time</li> </ul>
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**Year 8**

**Brief overview**

Across year 8, students are introduced to key topics of population and urbanisation, cold environments, globalisations and superpowers, climate change, coasts, and sustainability. Students will start year 8 studying population and urbanisation. Knowledge and understanding of social and economic development (Y7) will be built upon by exploring the DTM and comparing populations in different stages of development. The unit then explores the key theme of migration and the opportunities and challenges it poses for Mumbai's population and environment. The unit ends by building on year 7 knowledge of sustainability by looking for sustainable solutions for Mumbai's urban growth challenges. Within cold environments, students will build on their knowledge of places and processes by exploring cold environments and their associated glacial processes and landforms in Antarctica and Russia. Next is a study of globalisation and superpowers. In this unit students will build on their understanding of places and countries by identifying key global players such as China. Student understanding of how countries develop, helps them to understand how globalisation impacts on countries in various stages of development. Students will finish this unit by exploring the interconnectedness between countries and will look at China's investment in different countries in Africa. Students continue their study of climate change which builds on their understanding of weather and climate from year 7. Initially students will identify evidence of climate change and then explore its natural and anthropogenic causes. They will build on their knowledge of places from year 7 and explore the impacts of climate change across the globe. Further to this students gain a deeper understanding on how a country's level of development (year 7) and globalisation (year 8) can influence the causes, impacts and responses to climate change. This unit will finish by looking at the role we can play both globally and locally in dealing with climate change, getting student to think about how they can be active global citizens in their own homes, academies and further afield. The coasts unit builds on students' knowledge and understanding of physical processes from their previous study of rivers and glacial landscapes. Students will first look at the physical processes and then how these processes form landforms along the coast and then how coasts can be managed and will explore this through and decision making exercise. Year 8 finishes with a study of sustainability. In this students must focus on some of the world's key sustainable challenges including fast fashion and/or plastics in the ocean. Students, again, will be forced to consider their role in these environmental challenges. The unit ends with students completing their first fieldwork where they collect primary data to determine the sustainability of their local area. For some students this will be their first experience of fieldwork.

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit title	<b>Population and Urbanisation</b>	<b>Cold Environments</b>	<b>Globalisation and Superpowers</b>	<b>Climate Change</b>	<b>Coasts</b>	<b>Sustainability</b>
Relevant core concepts	<i>Place and space, scale, interdependence, physical and human processes, environmental impact and sustainable development, cultural awareness</i>					
Relevant end points	<ul style="list-style-type: none"> <li>○ <i>Place and space:</i> To extend their knowledge of locations and deepen their spatial awareness of the world. Start to recognise the significance of location in shaping us and how we experience the world in the way that we do. To recognise that place has shaped development and where people inhabit.</li> <li>○ <i>Scale:</i> To be able to understand geography through a variety of different lenses; considering local, national and global scales.</li> <li>○ <i>Interdependence:</i> To be able to understand the key physical and human processes that shape the world in which we live. To recognise how human and physical processes interact to influence, and change landscapes.</li> <li>○ <i>Physical and human processes:</i> To be able to appreciate that human (and sometimes physical) actions can have environmental consequences. To understand how human and environmental impact can be lessened to achieve sustainability by meeting the needs to people today without compromising the needs of people in the future.</li> <li>○ <i>Environmental impact and sustainable development:</i> To develop a sense of how any particular place and its relations fit into the bigger picture helping to support links between varying scales</li> <li><i>Cultural awareness:</i> To develop an appreciation and awareness of differences between themselves and people from other countries or other backgrounds, especially differences in attitudes and values.</li> </ul>					
Core substantive knowledge	<ol style="list-style-type: none"> <li>1. Describing and explaining global population distribution</li> <li>2. Demographic Transition Model (DTM)</li> <li>3. Comparing population demographics in countries at varying stages of the DTM</li> <li>4. Population pyramids</li> <li>5. Migration and natural increase</li> <li>6. Urbanisation and the formation of megacities</li> <li>7. Opportunities and challenges of urban growth in Asia</li> <li>8. Quality of life in slums</li> <li>9. Sustainability in Asia (ways to manage challenges in slums)</li> <li>10. Managing populations (one child policy in China and Russia)</li> </ol>	<ol style="list-style-type: none"> <li>1. Characteristics of cold environments (biomes, distribution)</li> <li>2. Glacial processes (erosion, weathering, transportation, deposition)</li> <li>3. Erosional landforms (corrie, arete and pyramidal peak)</li> <li>4. Depositional landforms (moraines and erratics)</li> <li>5. Opportunities and challenges of glacial landscapes in the UK</li> <li>6. Sustainable management of glacial landscapes in the UK</li> <li>7. Antarctica (location and characteristics)</li> <li>8. Antarctica (challenges and future threats)</li> <li>9. Skills – 4 and 6 figure grid references</li> </ol>	<ol style="list-style-type: none"> <li>1. Definition of globalisation and how students are considered to be global citizens</li> <li>2. Causes of globalisation</li> <li>3. Globalisation advantages and disadvantages</li> <li>4. Reducing the impact of globalisation</li> <li>5. Definition of a superpower</li> <li>6. Understanding of who the world's superpowers are and why</li> <li>7. Emergence of China as a superpower</li> <li>8. China's investment in Africa (neo-colonialism)</li> <li>9. The shift in rural economies</li> <li>10. Skills – Sketch maps and photos</li> </ol>	<ol style="list-style-type: none"> <li>1. Define climate change and evidence climate change exists</li> <li>2. Natural causes of climate change (volcanic eruptions, orbital theory and sunspot theory)</li> <li>3. Human causes of global warming</li> <li>4. Who is to blame for climate change?</li> <li>5. Impacts of climate change</li> <li>6. Case study of flooding in Bangladesh</li> <li>7. Case study of climate change in the UK</li> <li>8. The responses to climate change (transport, national parks in the UK, afforestation, Paris Agreement)</li> </ol>	<ol style="list-style-type: none"> <li>1. Uses of the coastline</li> <li>2. Coastal processes (erosion, weathering)</li> <li>3. Erosional landforms (headland and bay, cave, arch, stack)</li> <li>4. Coastal processes (longshore drift and deposition)</li> <li>5. Depositional landforms (spit, bar, tombolo)</li> <li>6. Mass movement and retreat (impact of geology on the coastline)</li> <li>7. Coastal engineering (hard and soft engineering)</li> <li>8. Shoreline Management Plans</li> <li>9. Future threats to the coastline</li> <li>10. Skills – scale and distance</li> </ol>	<ol style="list-style-type: none"> <li>1. Define sustainability (Sustainable Development Goals)</li> <li>2. Describe sustainability in students local area (use of maps)</li> <li>3. Exploration of green spaces and urban sustainability in students local area</li> <li>4. Sustainable urban cities: transport and urban sustainability locally and nationally</li> <li>5. Sustainable urban cities: transport and urban sustainability nationally (HS2)</li> <li>6. Introduction to fieldwork (renewable energy)</li> <li>7. To conduct fieldwork on my school site to determine how to improve sustainability</li> <li>8. Decision-making exercise to decide</li> </ol>

				<p>9. Individual involvement in the climate change movement</p> <p>10. Skills – mean, median, mode, range</p>		
<p><b>Core disciplinary knowledge</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such office for national statistics</li> <li><input type="checkbox"/> Geographers who study global populations to determine how they vary globally</li> <li><input type="checkbox"/> Warren Thompson created the DTM in 1929</li> <li><input type="checkbox"/> Demographers who create up to date population graphs, such as population pyramids</li> <li><input type="checkbox"/> Social media and news articles that helps to give an insight into quality of life</li> <li><input type="checkbox"/> First hand experience (e.g. tourism)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Glaciologists who study glacial environments</li> <li><input type="checkbox"/> Social media and news articles that help determine impacts occurring in remote cold environments</li> <li><input type="checkbox"/> Cartographers who create maps to determine distribution of cold biomes</li> <li><input type="checkbox"/> An understanding that landforms change over time</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such office for national statistics</li> <li><input type="checkbox"/> News and social media that helps to explain the impacts of globalisation</li> <li><input type="checkbox"/> Observation to help understand how individuals are global citizens e.g. the food we eat or the clothes we wear</li> <li><input type="checkbox"/> An understanding that characteristics change over time</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> International organisations, such as the IPCC, who publish current reports on climate change</li> <li><input type="checkbox"/> Geographers who study natural and human causes of climate change, e.g. Milutin Milankovitch who suggested the orbital theory</li> <li><input type="checkbox"/> Social media and news articles to understand how climate change has impacted places globally</li> <li><input type="checkbox"/> Observation and experiences of climate change initiatives</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Marine geologists who study coastlines</li> <li><input type="checkbox"/> Coastal town planners who make and publish decisions (such as SMPs) on how to protect coastal environments.</li> <li><input type="checkbox"/> Observation in the field to determine common characteristics in landscapes</li> <li><input type="checkbox"/> Social media and news articles that help determine the potential future threats to coastlines e.g. climate change</li> <li><input type="checkbox"/> An understanding that landforms change over time</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> The United Nations published the sustainable development goals in 2015, these are revised from the 2000 millennium development goals</li> <li><input type="checkbox"/> Observation to understand sustainability surrounding students</li> <li><input type="checkbox"/> Town planners who make decisions about improvements to urban environments, such as transportation improvements.</li> <li><input type="checkbox"/> First hand data collection to determine sustainability levels in local area.</li> </ul>

**Year 9**

**Brief overview**

Across year 9 students will build on and link together the knowledge from year 7 and 8 so that they are well prepared for KS4 study, if they choose to study Geography further. The year starts with a topic on interconnectedness where students draw on all previous learning across years 7 and 8 to see how interconnected the physical and human worlds are; how physical process impact on humans socially, economically and environmentally; and how human actions impact on the physical world. This unit will be taught through the study of current topical issues, including Covid-19 and migration. While Autumn 1 consolidates student learning, Autumn 2 requires them to look ahead and see how the key processes learnt across years 7 and 8 are changing and how these will impact on future populations, cultures and physical landscapes. Again this unit will be taught through a study of current topical issues including the impact of climate change on coral bleaching in the Great Barrier Reef, the global trade of waste and threats to extreme environments including the frozen planet and forests. In Spring 1 and 2, students draw on their learning from the concept of ecosystems which has been introduced through a study of the deciduous ecosystem in the UK in year 7, as well as an exploration of cold environments in Russia and Antarctica and deserts in the Middle East during year 8. This will be, however, the first time students study ecosystems as a topic and will require students to see the links and processes that occur within the Amazon Rainforest, Sahara Desert and the Sahel's savannah. Again, the concept of interconnectedness will be a primary focus, requiring students to see how human interact with these environments and the impact they have. Year 9 finishes off with drawing on learning from tectonic hazards and social and economic development in year 7 to better understand how tectonic hazards affect countries of varying degrees of development. They then utilise their understanding of the UK, weather, climate change and fluvial processes taught across KS3 to see how tropical storms, extreme weather events and climate change impact on people and the environment and how these events are being affected by an ever changing world. a deep study of ecosystems.

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit title	<b>Interconnectedness</b>	<b>Future threats</b>	<b>Biomes</b>	<b>Biomes</b>	<b>Natural Hazards</b>	<b>Natural Hazards</b>

**Relevant core concepts** *Place and space, scale, interdependence, physical and human processes, environmental impact and sustainable development, cultural awareness*

- Relevant end points**
- *Place and space:* To extend their knowledge of locations and deepen their spatial awareness of the world. Be able to recognise the significance of location in shaping us and how we experience the world in the way that we do. To understand that place has shaped development and where people inhabit. Finally appreciate that we will always be shaped by space – the rivers, mountains, deserts, lake and seas that constrain us.
  - *Scale:* To be able to understand geography through a variety of different lenses; considering local, national and global scales.
  - *Physical and human processes:* To be able to understand the key physical and human processes that shape the world in which we live. To recognise how human and physical processes interact to influence, and change landscapes; and how human activity relies on effective functioning of natural systems.
  - *Environmental impact and sustainability:* To be able to appreciate that human (and sometimes physical) actions can have environmental consequences. To understand how human and environmental impact can be lessened to achieve sustainability by meeting the needs to people today without compromising the needs of people in the future.
  - *Interdependence:* To develop a sense of how any particular place and its relations fit into the bigger picture helping to support links between varying scales
  - *Cultural awareness:* To develop an appreciation and awareness of differences between themselves and people from other countries or other backgrounds, especially differences in attitudes and values.

<b>Core substantive knowledge</b>	<ol style="list-style-type: none"> <li>1. Afghanistan introduction: the factors that mean there is a high production of poppies (location, terrain, poor infrastructure, conflict, and natural disasters)</li> <li>2. To explain how the Afghanistan heroin trail show us that crime interconnects our countries.</li> <li>3. Iceland introduction: location and explanation of eruption in 2010.</li> <li>4. To explain how the Iceland eruption of 2010 shows how interconnected countries are.</li> <li>5. Migration introduction: explanation of what migration is and the causes of migration.</li> <li>6. To explain how international migration makes countries so interconnected.</li> <li>7. COVID-19 introduction: to understand what COVID-19 is and how it spread worldwide.</li> </ol>	<ol style="list-style-type: none"> <li>1. Overpopulation and declining resources</li> <li>2. To understand how a rising population and climate change is leading to water insecurity.</li> <li>3. To understand the main concerns facing the future of energy.</li> <li>4. To understand how a developed world is leading to a rising waste issue.</li> <li>5. To explain how overfishing is impacting the ocean ecosystem.</li> <li>6. To explain how land use and extraction of resources is destroying the Earth's wilderness.</li> <li>7. Wilderness example – Patagonia.</li> <li>8. To explain how rising sea levels and climate change is causing harm to coral reefs.</li> <li>9. To understand the impact of climate change on our frozen planet.</li> <li>10. To understand how climate change is threatening the future of USA national parks.</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduction to ecosystems – definitions, components, links, food chain</li> <li>2. Introduction to ecosystems – food web, nutrient and energy cycle</li> <li>3. Example of a small scale ecosystem (the pond)</li> <li>4. Distribution and key characteristics of the world's ecosystems (link to pressure)</li> <li>5. GAC</li> <li>6. Introduction to the tropical rainforest (soils, climate, vegetation, animals)</li> <li>7. Stratification and vegetation adaptations in the tropical rainforest</li> <li>8. How do humans use the Amazon Rainforest? (logging, mining,</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduction to the desert (soils, climate, vegetation, animals)</li> <li>2. Vegetation and animal adaptations in the desert</li> <li>3. Economic opportunities in the Sahara Desert (agriculture, solar panels, oil/gas and tourism)</li> <li>4. Desertification in the Sahel</li> <li>5. Sustainable practices to reduce desertification in the Sahel.</li> <li>6. Evidence of Climate Change</li> <li>7. Natural causes of climate change</li> <li>8. Human causes of climate change</li> <li>9. Effects of climate change</li> <li>10. Mitigation</li> <li>11. Adaptation</li> <li>12. Geographical skills</li> </ol>	<ol style="list-style-type: none"> <li>1. Types of natural hazard</li> <li>2. Theory of plate tectonics and continental drift</li> <li>3. Plate margins</li> <li>4. Plate margins</li> <li>5. Introduction to earthquakes – focus, epicentre, Richter Scale</li> <li>6. Effects of an earthquake in an LIC - Haiti</li> <li>7. Responses to an earthquake in an LIC - Haiti</li> <li>8. Effects of an earthquake in a HIC – L'Aquila</li> <li>9. Responses to an earthquake in a HIC – L'Aquila</li> <li>10. Prediction and planning for earthquakes to reduce risk and impact</li> <li>11. Impact of earthquakes in HICs and LICs</li> </ol>	<ol style="list-style-type: none"> <li>1. Impact of earthquakes in HICs and LICs</li> <li>2. What is a tropical storm and how are they caused?</li> <li>3. Tropical storm cross section and how climate change has impacted on tropical storms – distribution, intensity, frequency.</li> <li>4. Typhoon Haiyan effects</li> <li>5. Typhoon Haiyan responses</li> <li>6. Tropical storms: planning and prediction</li> <li>7. Evidence of extreme weather in the UK</li> <li>8. Somerset Flood effects</li> <li>9. Somerset Flood responses</li> <li>10. Geographical skills</li> </ol>
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	<p>8. <b>To explain how the COVID-19 pandemic shows how interconnected places are.</b></p> <p>9. Switched off places – North Korea</p> <p>10. Switched off places – the Sahel</p> <p>11. <b>To outline how interconnected our world will be in the future.</b></p> <ul style="list-style-type: none"> <li>➤ <i>Food security in the Amazon Basin</i></li> <li>➤ <i>Agriculture and essentials to life, population growth, threats, sustainability</i></li> </ul>	<p>11. To evaluate the threats that face our planet.</p>	<p><b>HEP, settlements, roads, subsistence farming)</b></p> <p>9. <b>Positive and negative impacts of human interference in the Amazon (deforestation)</b></p> <p>10. <b>Sustainable practices to reduce deforestation in the rainforest</b></p> <p>11. <b>Effectiveness of sustainable strategies.</b></p>		<p>12. <b>What is a tropical storm and how are they caused?</b></p> <p>13. <b>Tropical storm cross section and how climate change has impacted on tropical storms – distribution, intensity, frequency.</b></p>	
<p><b>Core disciplinary knowledge</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Social media and news articles</li> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such office for national statistics</li> <li><input type="checkbox"/> First hand experiences of earthquake event in the UK or migration</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Social media and news articles</li> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such office for national statistics</li> <li><input type="checkbox"/> Food threats from supermarket data</li> <li><input type="checkbox"/> Organisations such as marine conversation society</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Organisations such as the Rainforest Alliance</li> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such office for national statistics</li> <li><input type="checkbox"/> Social media and news articles</li> <li><input type="checkbox"/> Fieldwork investigations of small scale local ecosystems</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such office for national statistics</li> <li><input type="checkbox"/> Geologists who study desert environments</li> <li><input type="checkbox"/> International organisations, such as the IPCC, who publish current reports on climate change</li> <li><input type="checkbox"/> Geographers who study natural and human causes of climate change, e.g. Milutin Milankovitch who suggested the orbital theory</li> <li><input type="checkbox"/> Social media and news articles to understand how climate change has impacted places globally</li> <li><input type="checkbox"/> Observation and experiences of climate change initiatives</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Geographers who study hazards (including the categorisation between meteorological and tectonic hazards)</li> <li><input type="checkbox"/> Theory of continental drift and convection currents</li> <li><input type="checkbox"/> Geographers such as Alfred Wegener in 1912 who suggested the theory of continental drift</li> <li><input type="checkbox"/> Geologists who study natural hazards</li> <li><input type="checkbox"/> Social media and news articles</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Social media and news articles</li> <li><input type="checkbox"/> Geographers who study tropical storm events</li> <li><input type="checkbox"/> Geographers who study extreme weather events</li> </ul>

**Year 10**

**Brief overview**

Across Year 10, students will study both human and physical topics, including, *Physical Landscapes in the UK, Urban Issues and Challenges and the Changing Economic World* and will also complete a *fieldwork study* in two contrasting environments. Year 10 is the when students will commence their KS4 chosen subject option. Students will build on their prior KS3 knowledge in KS4 for many of the units studied. Students will be first introduced to Physical Landscapes of the UK whereby students start exploring the UK's physical landscape and identifying lowland and upland areas. This is the base knowledge that is required to understand landscapes in the UK and will build on their prior study of coasts, rivers, and glacial landscapes in years 7, 8, and 9. Students start with the key physical processes involved in the formation of coasts and rivers and then apply this to explain the formation of landforms of erosion and deposition. Once student have grasped this knowledge, they will explore the management of coasts and rivers through real-life examples. Next, students will be their study of Urban Issues and challenges, building on their prior understanding of population and urbanisation in year 8. Students will explore population changes and trends and then look specifically at how urban change has created challenges and opportunities in Rio de Janeiro. This unit then continues with the second half of the Urban Issues and Challenges unit where they explore an urban environment in the UK focusing on the process of urban growth and the opportunities and challenges this brings. A local urban environment should be covered during this unit to help students have a better understanding of their local environment and context. The unit finishes with a study of sustainable urban planning and management. This unit draws on a range of previous topics covered across KS3 and KS4, including social and economic development, sustainability, population and urbanisation and interconnectedness and is pivotal for students continuing their study of Geography at KS5 where students must study either Regenerating Places or Diverse Places. Students will build on their prior fieldwork skills by completing fieldwork in two contrasting environments and will draw on their year 9 study of interconnectedness by showing an understanding of the interaction between the physical and human worlds. The Changing Economic World where they will gain an understating of how different countries across the world are classified based on a range of development indicators. This will build on their study of social and economic development in year 7. Further to this students explore the reasons why countries are at varying levels of wealth across the world and what can be done to reduce this gap. Students then apply this understanding to a real world context through the study of Nigeria and specifically how Nigeria had changed from a Low Income Country to a Newly Emerging Economy.

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit title	<b>Urban Issues and Challenges</b>	<b>Urban Issues and Challenges</b>	<b>Physical Landscapes in the UK (Coasts)</b>	<b>Physical Landscapes in the UK (Rivers)</b>	<b>Fieldwork (Generic, Human, and Physical fieldwork)</b>	<b>The Challenge of Resource Management</b>
Relevant core concepts	<i>Place and space, scale, interdependence, physical and human processes, environmental impact and sustainable development, cultural awareness</i>					
Relevant end points	<ul style="list-style-type: none"> <li>○ <i>Place and space:</i> To extend their knowledge of locations and deepen their spatial awareness of the world. Be able to recognise the significance of location in shaping us and how we experience the world in the way that we do. To understand that place has shaped development and where people inhabit. Finally appreciate that we will always be shaped by space – the rivers, mountains, deserts, lake and seas that constrain us.</li> <li>○ <i>Scale:</i> To be able to understand geography through a variety of different lenses; considering local, national and global scales.</li> <li>○ <i>Physical and human processes:</i> To be able to understand the key physical and human processes that shape the world in which we live. To recognise how human and physical processes interact to influence, and change landscapes; and how human activity relies on effective functioning of natural systems.</li> <li>○ <i>Environmental impact and sustainability:</i> To be able to appreciate that human (and sometimes physical) actions can have environmental consequences. To understand how human and environmental impact can be lessened to achieve sustainability by meeting the needs to people today without compromising the needs of people in the future.</li> <li>○ <i>Interdependence:</i> To develop a sense of how any particular place and its relations fit into the bigger picture helping to support links between varying scales</li> <li>○ <i>Cultural awareness:</i> To develop an appreciation and awareness of differences between themselves and people from other countries or other backgrounds, especially differences in attitudes and values.</li> </ul>					
Core substantive knowledge	<ol style="list-style-type: none"> <li>Global patterns of urban change in differing parts of the world.</li> <li>Factors affecting the rate of urbanisation: migration and natural increase</li> <li>Introduction to Rio de Janeiro, including a breakdown of population statistics.</li> <li>Social and economic opportunities in Rio.</li> <li>Urban growth has resulted in social challenges, as well as solutions.</li> <li>Urban growth has resulted in economic challenges, as well as solutions.</li> </ol>	<ol style="list-style-type: none"> <li>Population distribution in the UK</li> <li>Introduction to local major UK city: <i>including social, economic, environmental and cultural characteristics</i></li> <li>Urban skills practice</li> <li>Urban growth has provided social and economic opportunities in local urban area</li> <li>Urban growth has provided environmental opportunities in local urban area</li> <li>Urban growth has resulted in challenges in local area: <i>Creation of derelict areas and social inequality</i></li> <li>Urban growth has resulted in challenges in local area: <i>housing and urban sprawl</i></li> </ol>	<ol style="list-style-type: none"> <li>Overview of UK landscapes – physical, urban.</li> <li>Uses of the coastline</li> <li>Waves – terminology and anatomy of constructive and destructive waves</li> <li>Processes of weathering and erosion along the coastline</li> <li>Mass movement</li> <li>Headland &amp; Bay and Wave cut platform formation</li> <li>Cave, arch, stack formation</li> <li>Processes of transportation (longshore drift) and deposition</li> <li>Formation of beaches and sand dunes</li> </ol>	<ol style="list-style-type: none"> <li>Water cycle and drainage basin recap using OS map</li> <li>River profiles and courses</li> <li>River processes – erosion and weathering</li> <li>River processes – transportation and deposition</li> <li>Erosional landforms in the upper course - <i>V shape valley and interlocking spurs formation, waterfall and gorge</i></li> <li>Erosional and depositional landforms in the middle course - <i>Meander and ox-bow lake formation</i></li> </ol>	<p>Generic fieldwork:</p> <ol style="list-style-type: none"> <li>Planning and introducing a piece of fieldwork</li> <li>Data collection</li> <li>Data presentation</li> <li>Data analysis</li> <li>Concluding a fieldwork</li> <li>Evaluating a fieldwork</li> </ol> <p>Exemplars of human and physical fieldworks available for replication:</p> <p><i>Physical:</i></p> <ul style="list-style-type: none"> <li>➤ <i>Is coastal engineering effective in managing erosion along the West Dorset Coastline?</i></li> </ul>	<ol style="list-style-type: none"> <li>The distribution of the world's essential resources (<i>water, food, energy</i>)</li> <li>The causes and impacts of importing food into the UK</li> <li>Organic farming and agribusiness</li> <li>Water demand and transfers in the UK</li> <li>Water pollution in the UK</li> <li>Impact of using energy in the UK</li> <li>The UK's energy mix</li> <li>Geographical skills practice</li> </ol>



	<p>7. Urban growth has resulted in environmental challenges, as well as solutions.</p> <p>8. The creation of favelas, including the quality of life that exists there.</p> <p>9. Urban planning: How Brazil has tried to improve the quality of life for people living in urban areas. <i>Favela Bairro Project</i></p>	<p>8. Urban growth has resulted in challenges in local area: <i>pollution</i></p> <p>9. 9 mark question practice</p> <p>10. Case study: Urban Regeneration – reasons the area needed to be regenerated (local context)</p> <p>11. Case study: Urban regeneration – the main features of the project (local context).</p> <p>12. AO3 skills practice</p> <p>13. Sustainable traffic management</p> <p>1. Sustainable urban management</p>	<p>10. Formation of spits, bars and tombolos</p> <p>11. Identifying coastal landforms</p> <p>12. Swanage Bay landforms</p> <p>13. Skills – direction and scale</p> <p>14. Why is it important to protect the coastline?</p> <p>15. Hard engineering strategies</p> <p>16. Soft engineering strategies</p> <p>17. Managed retreat</p> <p>Case study: Dorset</p>	<p>8. Depositional landforms in the lower course – <i>estuary, floodplain and levees</i></p> <p>9. Locating river landforms on OS maps using contour lines, grid references and symbols</p> <p>10. Reading storm hydrographs. What affects the likelihood of flooding (urbanisation, vegetation, deforestation, rock type, gradient)</p> <p>11. Case study: social, economic and environmental impacts of the Somerset Floods</p> <p>12. Hard engineering</p> <p>13. Soft engineering</p> <p>14. Responses to the Somerset floods</p>	<p>➤ <i>How does the River Tillingbourne change as you move downstream?</i></p> <p><i>Human:</i></p> <p>➤ <i>How is housing inequality evident in Brixton?</i></p>	
<p><b>Core disciplinary knowledge</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Data that shows us the economic status of countries, from organisations such as office for national statistics</li> <li><input type="checkbox"/> Geographers who study global populations to determine how they vary globally</li> <li><input type="checkbox"/> Social media and news articles that helps to give an insight into quality of life</li> <li><input type="checkbox"/> Town planners that are experts in the solutions to urban challenges</li> <li><input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Demographers who study the structure of populations</li> <li><input type="checkbox"/> Observation of the impacts regeneration projects have had</li> <li><input type="checkbox"/> Historical records to show how urban change has occurred since the industrial revolution</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Marine geologists who study coastlines</li> <li><input type="checkbox"/> Coastal town planners who make and publish decisions (such as SMPs) on how to protect coastal environments.</li> <li><input type="checkbox"/> Observation in the field to determine common characteristics in landscapes</li> <li><input type="checkbox"/> Social media and news articles that help determine the potential future threats to coastlines e.g. climate change</li> </ul> <p>An understanding that landforms change over time</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Limnologists (those who study fresh water) who dedicate their work to understanding and protecting rivers</li> <li><input type="checkbox"/> Observation to determine similar characteristics in rivers at varying scales</li> <li><input type="checkbox"/> Cartographers who create maps to help determine features such as the relief of land</li> <li><input type="checkbox"/> Geographers who plan how to protect areas from flooding</li> <li><input type="checkbox"/> Observation to determine the causes and impacts of flooding</li> <li><input type="checkbox"/> Geographers who create storm hydrographs</li> <li><input type="checkbox"/> News and social media</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Observation in the field</li> <li><input type="checkbox"/> Previous fieldwork studies to understand the processes involved in an enquiry</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Social media and news articles that inform us on resources in the UK</li> <li><input type="checkbox"/> Cartographers who map resources in the UK</li> <li><input type="checkbox"/> Government policies on water pollution in the UK (UKgov website)</li> </ul>