

## Year 8 Curriculum Map 2023-24

| Topic                 | Content   | Previous Learning  | Next Steps   |
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| 8.1 Cold Environments | <p>Develop critical thinking skills</p> <p>Build on existing knowledge of globes, maps, and atlases</p> <p>Explore the location and extent of ice coverage on Earth and how this has changed over time</p> <p>Explain why some places are cold</p> <p>Investigate the challenges of living in a cold environment (Siberia, Russia)</p> <p>Explore the physical, human, and environmental geography of Antarctica and use bearings to locate scientific research stations located on the continent</p> <p>Explain how ice has shaped UK landscapes: corries, tarns, u-shaped valleys, erratics</p> <p>Investigate avalanche risk through a decision-making exercise</p> <p>Explore the physical and human geography of Russia</p> <p>Explain geopolitical developments in the Arctic between Russia and surrounding countries.</p> | <p>KS1 &amp; KS2</p> <p>Identify the position and significance of latitude, longitude, Equator, Arctic and Antarctic Circle.</p> <p>Y7</p> <p>7.1 Geographical skills: Continents and maps</p> <p>7.2 Our Island home Island home formation.</p> <p>7.6 Exploring places: Corrie formation (Cadair Idris) and glacial landscapes</p> | <p>KS4</p> <p>1.1 UK Landscapes<br/>Glaciated landscapes. There are a number of geomorphic processes which create distinctive landscapes</p> <p>2.1 Ecosystems of the planet<br/>Ecosystems have distinct distributions and Characteristics. Overview of the climate, plants and animals within these ecosystems</p> <p>2.3 Environmental threats to our planet<br/>There are a number of possible causes of climate change. The global circulation of the atmosphere controls weather and climate</p> |

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| <p>8.2<br/>Hot<br/>Environments</p> | <p>Name and locate hot deserts</p> <p>Explain the global distribution of hot deserts with reference to atmospheric circulation</p> <p>Use climate graphs and choropleth maps to identify different types of desert</p> <p>Explain how different plants and animals are adapted to the desert climate</p> <p>Explain how processes relating to wind and water shape the desert landscape</p> <p>Identify and explain the formation of different desert landforms, including dunes, slot canyons and yardangs</p> <p>Investigate water supply issues in the UAE</p> <p>Investigate the impact of conflict in the development of Yemen</p> | <p>KS2</p> <p>Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, and the Tropics of Cancer and Capricorn.</p> <p>Y7</p> <p>7.3 Our Planet<br/>Biomes, plant and animal adaptations</p> <p>7.3 Water &amp; Rivers<br/>Geomorphic processes including erosion, transportation, and deposition</p> | <p>KS4</p> <p>1.1 UK Landscapes<br/>The physical landscapes of the UK have distinctive characteristics. There are a number of geomorphic processes which create distinctive landscapes</p> <p>1.3 Environmental Challenges for the UK<br/>There are a range of energy sources available to the UK. Humans use, modify and change ecosystems and environments to obtain food, energy and water</p> <p>2.1 Ecosystems of the planet<br/>Ecosystems have distinct distributions and Characteristics. Overview of the climate, plants and animals within these ecosystems</p> |
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| <p>8.3<br/>Geography Rocks</p> | <p>Understand the concept of the geological timeline and place key events in chronological order</p> <p>Revisit the rock cycle and understand key processes including weathering, erosion, cementation and compaction</p> <p>Investigate why the Peak District is an adventure landscape using OS Maps</p> <p>Explain how weathering can lead to the formation of sink holes.</p> <p>Understand soil development</p> <p>Understand the formation of sand dunes</p> <p>Examine different types of mass movement and their causes</p> <p>Discuss the potential costs and benefits of fracking</p> <p>Evaluate the risks and benefits of living near active volcanoes.</p> | <p>KS3</p> <p>7.1 Geographical Skills<br/>Interpret Ordnance Survey maps using distance and direction, map symbols, grid references and contour lines</p> <p>7.2 Our island home<br/>Identify different types of rock found in the UK. Name examples of these rocks and areas they are found, and how they are used</p> | <p>KS4</p> <p>1.1 UK Landscapes<br/>The physical landscapes of the UK have distinctive characteristics. There are a number of geomorphic processes which create distinctive landscapes.</p> <p>1.3 Environmental Challenges for the UK<br/>There are a range of energy sources available to the UK. Humans use, modify and change ecosystems and environments to obtain food, energy and water.</p> |
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| <p>8.4<br/>Weather &amp;<br/>Climate</p> | <p>Explain what is meant by high and low pressure and associated weather conditions which affect the UK</p> <p>Investigate extreme weather events in the UK – the ‘Beast from the East’</p> <p>Understand how convectional rainfall works</p> <p>Explain the formation of tropical storms</p> <p>Investigate the causes and effects of tornadoes</p> <p>Explain causes and effects of climate change in different areas of the world</p> <p>Explain the formation of coral reefs and their value for people and the environment</p> <p>Examine the threats to coral reefs, including climate change, and how they are being protected</p> <p>Explain the cause and effect of the monsoon in India</p> <p>Investigate microclimates in the school grounds</p> | <p>KS3</p> <p>Year 7</p> <p>7.2 Our island home.<br/>Explain the difference between weather and climate<br/>Use maps and graphs to identify key features of the UK’s weather</p> <p>Carry out a short investigation of air quality on the school grounds using lichen as an indicator</p> <p>7.3 Our Planet<br/>Explain why the atmosphere is essential for life on Earth, and how it is being modified by human activity.</p> <p>7.6 Exploring Places<br/>Explain what is meant by natural hazard, developing their own research questions to investigate a geologic or atmospheric hazard.</p> <p>Carry out fieldwork on the school site using a bi-polar survey, collating results and presenting findings.</p> | <p>1.1 UK Landscapes<br/>The physical landscapes of the UK have distinctive characteristics. There are a number of geomorphic processes which create distinctive landscapes. Overview of the distinctive characteristics of these landscapes including their geology, climate and human activity.</p> <p>1.3 Environmental Challenges for the UK<br/>Extreme flood hazard events are becoming more commonplace in the UK.</p> <p>2.1 Ecosystems of the planet<br/>There are major coral reefs in the world. The processes that operate within tropical rainforests. Their value to humans and to the planet and threats to biodiversity and attempts to mitigate these through sustainable use and management.</p> <p>2.3 Environmental threats to our planet<br/>There are a number of possible causes of climate change. Climate change has consequences. Outline the causes of the extreme weather conditions that are associated with tropical storms. The distribution and frequency of tropical storms, and whether these have changed over time</p> <p>3. Geographical Fieldwork for Paper 3</p> |
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| <p>8.5<br/>Development &amp;<br/>Population</p> | <p>Explain what is meant by concepts such as quality of life and development. Define different social, economic, and environmental development indicators</p> <p>Identify human and environmental factors which explain uneven development, with reference to DRC, Africa.</p> <p>Explain the impact of child labour in developing countries in Asia (including Bangladesh and Laos)</p> <p>Explain the human and environmental factors which influence the spread of malaria in Sub-Saharan African regions</p> <p>Examine strategies for sustainable development in Uganda</p> <p>Explain exponential world population growth</p> <p>Describe and explain global population distribution and density</p> <p>Investigate Africa's population distribution using a choropleth map and explain the differences in population density.</p> <p>Explain reasons for population change</p> <p>Use birth rates and death rates to calculate natural change</p> <p>Interpret population structure using population pyramid graphs</p> | <p>KS3</p> <p>Year 7</p> <p>7.6 Exploring places<br/>Explore human characteristics of our planet, such as population, population distribution, and indicators of development (literacy rates, access to clean water).</p> <p>Develop locational knowledge of places around the world. Identify and examine the physical and human characteristics of a range of unfamiliar landscapes</p> | <p>KS4</p> <p>1.2. People of the UK<br/>Changes in the UK's population structure from 1900 to the present day. Outline flows of immigration into the UK in the 21st century including an overview of the social and economic impacts on the UK. An understanding of the causes and the effects of, and responses to an ageing population.</p> <p>2.2 People of the Planet<br/>The world is developing unevenly. There are many causes of uneven development. Many factors contribute to a country's economic development. Social, economic and environmental definitions of development, including the concept of sustainable development.</p> <p>Many factors contribute to a country's economic development. Case study of LEDC / EDC countries.</p> <p>The majority of the world's population now live in urban areas. There are causes and consequences of rapid urbanisation in LIDCs. Cities have distinct challenges and ways of life, influenced by its people and culture.</p> |
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|  | <p>Explain factors which explain long life expectancy in some regions (Okinawa, Japan)</p> <p>Identify different types of migration, and the push and pull factors which help to explain them.</p> <p>Investigate the population resource debate</p> <p>Examine the causes and impacts of rapid urbanisation in Dharavi, an informal settlement in Mumbai, India *</p> <p>Identify physical and human features of China</p> <p>Explain the uneven population distribution of China</p> <p>Examine the success of attempts by China to manage population growth</p> <p>Explain the reasons for China's rapid economic growth and the environmental impacts</p> <p>Investigate unrecognised nations and micronations</p> |  |  |
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