

# Project Arctic: The land of Fire and Ice – Year 3



## Prior Learning

### Y2

- Name and locate the world's seven continents and five oceans
- Understand key physical features: season, weather, ocean, sea, cliff, coast
- Understand key human features: port, harbour
- Identify seasonal and daily weather patterns and hot and cold areas of the world.
- Use world maps, atlas, globes

### Y3

- Identify the position and significance of latitude, longitude, equator
- Understand the terms urban and rural settlements, human and physical features, population density

### Y4

- Physical features: mountains, volcanoes
- Human features: buildings in Paris and London

<u>NC objective</u>	<u>Knowledge to be taught</u>
<p><b><u>L1. LO: Understand the term desert and locate the World's deserts.</u></b></p> <p><b>What is a desert and where would you expect to find them?</b></p> <p>describe and understand key aspects of physical geography, including climate zones</p> <p><b>Use Google Earth to locate the Arctic and Antarctic</b></p>	<ul style="list-style-type: none"> <li>- Retrieval: Equator and Tropics</li> <li>- Name and locate world's main deserts on a map</li> <li>- Desert biomes</li> <li>- Understand what climate is</li> <li>- Identify climate zones</li> <li>- Locate the Arctic and Antarctica on a map (Google Earth)</li> <li>- Compare the deserts located in part and find similarities/differences</li> </ul> <p><u>Task:</u> Locate and name deserts on a map. What would you pack for your expedition to a) The Sahara b) The Arctic Polar Desert ?</p> <p><a href="https://discoveringthearctic.org.uk/">https://discoveringthearctic.org.uk/</a> useful for subject knowledge</p>
<p><b><u>L2: LO: identify the physical features of Iceland</u></b></p> <p><b>Why do people visit Iceland?</b></p> <p>physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle</p>	<ul style="list-style-type: none"> <li>- Retrieval: what is a biome? Features of deserts. What is a physical feature? Y4- how are volcanoes formed?</li> <li>- Identify the countries that fall within the Arctic Circle.</li> <li>- Locate Iceland and identify physical features.</li> <li>- Glacier, geyser, Fjord, Icefields, tundra, volcanoes, island, aurora borealis, Atlantic and Arctic oceans, lava fields</li> </ul>

	<p><u>Task:</u> Produce a travel guide for Iceland detailing the physical features of the country</p>
<p><b><u>L3: LO: identify the human features of Iceland</u></b>  <b>Why do most people live by the sea in Iceland?</b>  human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water</p>	<ul style="list-style-type: none"> <li>- Retrieval: How many physical features from last lesson can be recalled? What are human features? What is a settlement?</li> <li>- Explore distribution of natural resources, land use, energy and economic activity in Iceland.</li> <li>- Settlements</li> <li>- Regions – 8 regions</li> <li>- Infrastructure</li> </ul>
<p><b><u>L4: LO: understand what it is like to live in Iceland.</u></b>  describe and understand key aspects of:  physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle  human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water</p>	<ul style="list-style-type: none"> <li>- Retrieval: what can you remember about Iceland is like? (human and physical features)</li> <li>- Distribution of natural resources, land use, energy and economic activity.</li> <li>- Population</li> <li>- Dwellings</li> <li>- Energy</li> <li>- Day light</li> <li>- Trade and jobs</li> <li>- Challenges of physical features</li> <li>- Leisure</li> <li>- <u>Task:</u> Write an advert to persuade people to come and live in Iceland</li> </ul>
<p><b><u>L5: LO: compare the UK and Iceland</u></b>  <b>Would you rather live in the UK or Iceland?</b>  Place knowledge: understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom and a region in a European country</p>	<p>Geographical similarities and differences – Human and physical, making comparisons between European regions.</p> <p><u>Task:</u>  Market place activity in groups  Geographical features, economy, transport, housing and energy, settlements.  Children work in groups to focus on a specific aspect of like in the UK.  Share findings and children explain which country they would rather live in and why.</p>

Assessment: End of unit quiz and assessment grid

Vocabulary

Tier 1

Tier 2

Tier 3

desert

island

hot

cold

human

settlement

volcano

climate

equator

hemisphere

physical

scenery

renewable energy

biome

economy

infrastructure

natural resources

geyser

lava fields

fjord

Aurora Borealis

tundra

glacier

icefields

lagoon

Key Locations:

Europe

Arctic Circle

Iceland

Reykjavik