



Hill View Primary School - Year 4 Project Overview

Land of Ice and Fire



7 Weeks

Rationale/Intent

Grimsvotn, Iceland's most active volcano is about to erupt! The children will become volcanologists who have been tasked with studying the volcano and its imminent eruption. In order to do this, the children will need to learn about the stunning country of Iceland to go on a journey through Iceland's captivating scenery, learn about the cultural heritage. They will study the natural threat and beauty of Iceland's awesome volcanoes, glaciers and geysers in order to fully understand this magnificent and mystical location before arriving at Grimsvotn to witness the dramatic eruption (by creating their own mini volcanic eruption). As volcanologists, the children will use all of the knowledge they have acquired from studying Iceland's geographical features and their knowledge of solids, liquids and gases (Changing States) to write a non-chronological, scientific report.

Hook

Children will virtually travel to Iceland - visiting the virtual airport, completing the airline safety checks and enjoying the views as we fly into Iceland. Once they have landed, pupils will explore the landscape and be introduced to a volcano which we will start to look at from a geographical viewpoint.

Outcome

Pupils will share their stories with a younger student in school. As Scientists, we will also be erupting the volcanoes that they create through their home learning.

English

Link text; Bukolla

Linked texts and extracts are used as 'What a good one looks like' to teach from and are used to enable children in the writing process, using **Talk for Writing**, to successfully achieve the main writing outcomes for the project.



Main writing outcomes

Non-chronological report;

Pupils will focus on Iceland and sharing their geographical knowledge through creating a non-chronological report on Iceland. They will use their learning in geography lessons and organisational and presentational devices to write a report to demonstrate their knowledge- using the correct technical terminology and appropriate punctuation.

The key objectives taught here are:

- To extend the range of sentences with more than one clause by using a wider range of conjunctions (when before, after, while, so, because, although).
- To use rich and varied vocabulary appropriate to the form of writing.
- To organise paragraphs around a theme.
- To write a non-fiction text that is well-structured with appropriate layout devices.

Narrative;

Explore the Icelandic myths, legends and folklore, and use characters from these to create a text that reflects the unique mystery and magnetism of the country. This will use the folktale 'Bukolla' to learn the text,

The key objectives taught here are:

- To use fronted adverbials to vary sentences (e.g. 'Later that day', 'On the distant horizon', 'Trembling slightly').
- To write using an increasingly rich and varied vocabulary appropriate to purpose and form.
- To create more detailed settings, characters and plot in narratives to engage the reader.
- To write narratives with a clear beginning, middle and end with a coherent plot.

Writing skills to cover

Character description
 Setting description - direct speech
 Creating mood and atmosphere
 Coherent writing.
 Formal language
 Paragraphing
 Subheadings and layout
 conjunctions

Punctuation and Grammar

Direct speech
 Plurals
 Determiners
 A sentence that gives three actions
 Compound sentences

Free writes; are used to develop individual targets, re-visit previous learning and offer a range of opportunities and genres to apply previously taught skills.

Focus Subject - Geography

Describe and understand Iceland's location in the world, identify the position and significance northern and southern hemisphere and the equator

NC: locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

Describe and understand key aspects of physical geography, climate and geographical features, using maps atlases and globes.

Use symbols and keys to create a maps.

NC: use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

Investigate how a volcano is formed and earthquakes occur, drawing on knowledge of tectonic plates and understand the ring of fire considering the impact on people's lives and, potentially, the rest of the world.

NC: describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle

Produce a diagram of a volcano, supported by a glossary and explain how volcano provide us with valuable information about how the world has changed over millions of years.

Focus Subject - Science

Explore a range of solids liquids and gas in class and classify into groups with justification

Observe materials changing state ie. Water freezing and evaporating

NC: compare and group materials together, according to whether they are solids, liquids or gases

Melting chocolate experiment and frozen grape experiment using tables and graphs to record findings

NC: observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)

Cloud in a glass evaporation and condensation experiment

NC: Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Visits and visitors

A virtual 'Iceland Air' flight crew.

Cultural capital; Mathematics

Complete, read and interpret information collected in tables. Accurately measure and record using correct unit of measurement.

PSHE

Explore and compare the impact of geographical location, life-style, climate and season on the well-being (emotional, physical and social) of the people who live in the UK and in Iceland.

Home Learning

To design and make a model of a physical feature of Iceland - this could be a volcano, mountain, glacier or a river.