



Knowledge Organiser

Geography—Extreme Earth

Year 3/4

Theme: Cause and Effect

Autumn Term B 2023

Prior Knowledge

Name the seas surrounding the United Kingdom: North Sea, English Channel, Irish Sea and Atlantic Ocean

There are 4 countries in the United Kingdom: England, Scotland Wales and Northern Ireland

Name the world's 7 continents.

Year 4 only: The Amazon river and rainforest is located in the continent of South America.

Year 4 only: Explain what it is like for the people living or working in the Amazon. Explain the impact of deforestation of the animals and people who live in the Amazon rainforest.



Application of Knowledge

Name and locate countries effected by extreme earth.

Describe and understand key aspects of:

Why people choose to live in hazardous areas.

Use diagrams, thematic maps and atlases effectively to understand the impact of extreme weather.

Use a thematic map to identify where tornadoes occur.

Understand the causes of extreme weather events and the impact these can have

Think, respond and reflect creatively with regard to different sources.

Identify how human and physical features can have an impact on extreme weather.

What I will know by the end of this topic

What is an earthquake?

A sudden violent shaking of the ground, typically causing great destruction.

How does an earthquake affect people and the environment.

An earthquake can destroy homes, buildings and sewage systems leading to disease and sickness.

Where do earthquakes commonly occur in the world?

Along a belt, called the "Ring of Fire" that encircles the Pacific Ocean.

What is a volcano and where are they located?

A volcano is a mountain or hill, having a crater or vent through which lava erupts. They're mostly located around fault lines, most can be found around the Ring of Fire.

How are nearby towns and villages affected by a volcanic eruption?

People have died from volcanic blasts. Volcanic eruptions can result in additional threats to health, such as floods, mudslides, power outages, drinking water contamination, and wildfires.

What is a tornado?

Rotating winds having the appearance of a funnel-shaped cloud.

Where do tornadoes commonly occur in America?

In "Tornado Alley - from Kansas to Ohio.

What impact can tornadoes have on the people living in the affected area?

Extremely high winds tear homes and businesses apart. Winds can also destroy bridges, flip trains, send cars and trucks flying, tear the bark off trees, and suck all the water from a riverbed.

Vocabulary

Earthquake	a sudden violent shaking of the ground, typically causing great destruction .
Tornado	rotating winds having the appearance of a funnel-shaped cloud
Volcano	A mountain or hill, having a crater or vent through which lava erupts.
Tectonic Plate	A large part of land formed of solid rock.
Magma	Liquid rock below the earths crust.
Force	Physical action or movement.
Location	a particular place or position.
Richter Scale	a numerical scale for expressing the magnitude of an earthquake
Eruption	An explosion of magma and hot gas from the earths core.
Destruction	The process of causing so much damage to something that it no longer exists or cannot be repaired.