GEOGRAPHY LONG TERM PLAN

Y4 ANNUAL OVERVIEW 2022 - 23

Year 4	Term: Autumn 2	Unit Title: Volcanoes and Earthquakes

NC Objectives

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

Key Knowledge, Questions, Vocabulary and Resources:

Questions:

If I could cut a slice through the whole Earth, what would it look like?
What is it like at the centre of the Earth?
How solid is the Earth?
How is the Earth beneath the ocean floor different from beneath the land?
Where in the world do the plates meet?
What makes the Earth's plates move?
What happens when two plates push together?
What happens when two plates pull apart?
What does a volcano look like?
How can I show what happens inside a volcano?
Do all volcanoes erupt?
What happens during a volcanic eruption?
What are the signs that an eruption could happen?
What would it be like to watch a volcanic eruption?
What damage can a volcanic eruption do?
What happens to a volcano after an eruption?
What are the risks of living near a volcano?
What are the advantages of getting energy from a volcano?
Why might people choose to live near a volcano?
What happens during an earthquake?
How would I explain earthquakes to someone who had never heard of them?
How did 'The Pacific Ring of Fire' get its name?
What effects can earthquakes have on the land, roads and buildings?
What immediate effects can earthquakes have on people and communities?
What longer-term impacts can earthquakes have on people and communities?
What might a timeline for a massive earthquake look like: first hour, first day, first week, first month, first year?
What would you include in an emergency earthquake kit?
What can you do to keep yourself safe during an earthquake or tsunami?
What should you avoid doing if an earthquake happens?
How are earthquakes and volcanoes related to each other?

Knowledge:

Location Knowledge

- Identify key facts about famous earthquakes
- Locate a range of famous volcanoes
- Identify key facts about famous volcanoes including when it last erupted

Geographical Skills and Fieldwork

- Locate where famous earthquakes have occurred on a map
- Locate the Pacific Ring of Fire on a world map

Human and Physical Geography

- Describe what happens at the boundaries between the Earth's plates
- Label a map of the plates
- Identify key features of a volcano
- Identify similarities and differences between famous volcanoes
- Identify the effects of earthquakes on land, roads and buildings
- Identify the effects of earthquakes on people and communities
- Describe the timeline for a massive earthquake: first hour, first day, first week, first month, first year
- Explore short-term and long-term effects of earthquakes
- Explore what kind of aid people need after earthquakes
- Explore how people prepare for earthquakes in earthquake-prone areas / how to keep safe
- Reflect on how earthquakes and volcanoes are linked
- Report on the effects of a specific volcanic eruption

See Geography 2022-23 – Oddizzi – Y4 – Volcanoes and Earthquakes

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- Evaluate advantages/disadvantages/dangerous effects of living near a volcano

KEY VOCABULARY

- Volcano, plates, tectonic, core, mantle, crust, boundaries, magma, ash cloud, central vent, lava, eruption, continent, map, Europe, North America, Pacific Ring of Fire, effect, rubble, short-term, long-term, aid, survival kit, human, features, drill, preparation, eye-witness, impact, advantage, disadvantage

CAREER LINKS

cartographer, volcanologist, seismologist, structural geologist, geochemist, scientific researcher

Linked Texts:

Topic specific additional resources, including people and places:

- World maps, atlases, globes, Oddizzi online resources

Year 4	**Term: Summer 1**	**Unit Title:** Local Area Study

NC Objectives

- Use fieldwork to explore the immediate local area, including processes of settlement and change.
- Locate the area on aerial maps, describe and explore its distinctive features, use maps and field observations to capture key data from different points of view, and use that data to reflect and make presentations on historical and future change.

Key Knowledge, Questions, Vocabulary and Resources:

Questions:

Can I locate my local area?
How does it fit in with other places, near and far?
What is special about my local area?
What can I find out about from a walk in my local area?
How can we make a map to show what we have found out about the local area?
How has this place changed over time?
How might this place change in future?

Geographical Skills and Fieldwork

- Locate the local area on an aerial image in relation to other places around it
- Use an aerial image to describe the key physical and human features of the area
- Use geographical language to describe places at different scales
- Compare different perspectives on the local area
- Develop enquiry questions about change in the local area
- Use fieldwork to observe, measure and record a range of data on the human and physical features in the local area, using a range of methods
- Use an Ordnance Survey map to identify local landmarks and features
- Record the features of the local area using a sketch map
- Use maps as primary and secondary evidence
- Use Ordnance Survey maps to build children's knowledge of the local area
- Create a sketch map of the local area showing possible future changes

See Geography 2022-23 – Oddizzi – Y4 – Local Area Study

Human and Physical Geography

- Describe the distinctive human and physical features of the local area
- Find evidence of settlement and change in the local area
- Understand processes of settlement and change in the local area
- Draw on fieldwork and an understanding of processes of settlement and change to produce a simple report

Linked Texts:

Topic specific additional resources, including people and places:

- World maps, atlases, globes, Oddizzi online resources

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Year 4	Term: Summer 2	Unit Title: Mountains

NC Objectives

- Describe and understand key aspects of physical geography, including: mountains
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals.
- Name and locate key topographical features of the UK (including mountains).

Key Knowledge, Questions, Vocabulary and Resources:

Questions:

How can you define a mountain?
Where are the 'Seven Summits'?
Where are the highest mountain ranges?
How do you measure a mountain's height?
What shapes do mountains come in?
How do they get to be that shape?
Are all mountains made in a similar way?
What are the main features of a mountain?
Why can you get snow on a tropical mountain?
What sort of work can people do in mountain areas?
What are the disadvantages of living in a mountain area?
Why do people choose to live on mountains?

Knowledge:

Location Knowledge

- Identify the world's highest mountain ranges
- Locate the highest peaks in each UK country
- Compare similarities and differences between UK peaks
- Describe the Three Peaks Challenge

See Geography 2022-23 – Oddizzi – Y4 – Mountains

Geographical Skills and Fieldwork

- Locate the world's 'Seven Summits' on a map
- Locate the least mountainous parts of the UK on a map

Human and Physical Geography

- Describe what a mountain is and its features, examples and non-examples
- Describe how different types of mountains are formed
- Name different types of mountains
- Describe the climate of mountains
- Explore the advantages/disadvantages of living in a mountain area
- Explore why people might choose to live on a mountain – what sort of work can people do on a mountain
- Describe a mountain environment found in the UK
- Recognise the importance of the Himalayas for people living in the region
- Compare Himalayas with the highest mountains in the UK
- Describe the landscape of a world-famous mountain or mountainous region
- Explore the Seven Summits

KEY VOCABULARY

- Mountain, summit, landform, hill, mountain range, plates, mantle, slope, valley, fold, fault-block, volcanoes, dome, climate, avalanche, Equator, UK, Three Peaks Challenge, environment, Himalayas, mountain range, porters, terracing, mountaineers, Seven Summits, region

CAREER LINKS

cartographer, structural geologist, ski instructor, trail guide, wildlife biologist, photographer, forest ranger

Linked Texts:

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Topic specific additional resources, including people and places:

- World maps, atlases, globes, Oddizzi online resources