



Shawington Primary School Geography Curriculum



Year 4 - Why do people live by volcanoes?

National Curriculum- KS End Point	Sticky Knowledge	Vocabulary
<ul style="list-style-type: none"> Describe and understand key aspects of: Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle 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 and water Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies. Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world 	<ul style="list-style-type: none"> To know the names of some countries and major cities in Europe and North and South America To know the names of some of the world's most significant mountain ranges. To know that mountains, volcanoes and earthquakes largely occur at plate boundaries. To know the main types of land use. To know some types of settlement. To know the negative effects of living near a volcano. To know the positive effects of living near a volcano. To know the negative effects an earthquake can have on a community. To know ways in which communities respond to earthquakes. To know the different types of mountains and volcanoes and how they are formed. To know that an earthquake is the intense shaking of the ground. To know the different types of settlement. To know that a natural resource is something that people can use which comes from the natural environment. To recognise world maps as a flattened globe. To know how to use various simple sampling techniques. To know that an annotated drawing or sketch map is hand drawn and gives a rough idea of features of an area without having to be completely accurate. 	<p>active volcano, climate change, composite volcano, crust, dormant volcano, earthquake, epicentre, extinct volcano, fault line, fault-block mountain, fertile soil, fold mountain, geothermal energy, igneous rock, index, inner core, outer core, magma, magma chamber, man-made rock, mantle, metamorphic rock, minerals, natural rock, negative effects, plate boundary, positive effects, pyroclastic flow, sedimentary rock, seismic waves, shield volcano, tectonic plate, tsunami, vent, volcanic mountain, volcanic springs</p> <hr/> <p style="text-align: center;">Unit Outcomes</p> <ul style="list-style-type: none"> Name all four layers of the Earth in the correct order, stating one fact about each layer. Explain one or more ways a mountain can be formed. Give a correct example of a mountain range and its continent. Describe a tectonic plate and know that mountains occur along plate boundaries. Correctly label the features of shield and composite volcanoes and explain how they form. Name three ways in which volcanoes can be classified. Describe how volcanoes form at tectonic plate boundaries. Explain a mix of negative and positive consequences of living near a volcano. State whether they would or would not want to live near a volcano. State that an earthquake is caused when two plate boundaries move and shake the ground. Explain that earthquakes happen along plate boundaries. List some negative effects that an earthquake can have on a community. Observe, digitally record and map different rocks using a symbol on a map. Identify rock types and their origins based on collected data.
Prior Learning	Key Question(s):	Future Learning
<ul style="list-style-type: none"> Name and locate the seas and oceans surrounding the UK in an atlas. Label these on a map of the UK. Describe the location of the seas and oceans surrounding the UK using compass points. Define what the coast is. Locate coasts in the UK. Name some of the physical features of coasts. Explain the location of UK coasts using the four compass directions. Name features of coasts and label these on a photograph. Identify human features in a coastal town. Describe how people use the coast. Follow a prepared route on a map. Identify human features on the local coast. Record data using a tally chart. Represent data in a pictogram. Describe how the local coast has been used. 	<ul style="list-style-type: none"> How is the Earth constructed? Where are mountains found? Why and where do we get volcanoes? What are the effects of a volcanic eruption? What are earthquakes and where do we get them? Where have the rocks around school come from? 	<ul style="list-style-type: none"> Identify that different foods grow in different biomes and say why. Explain which food has the most significant negative impact on the environment. Consider a change people can make to reduce the negative impact of food production. Describe the intentions around trading responsibly. Explain that food imports can be both helpful and harmful. Describe the journey of a cocoa bean. Locate countries on a blank world map using an atlas. Use a scale bar correctly to measure approximate distances. Collect data through an interview process. Analyse interview responses to answer an enquiry question. Discuss any trends in data collected.



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Golden Threads			
<u>Locational Knowledge</u>	<u>Place Knowledge</u>	<u>Human and Physical Geography</u>	<u>Geographical Skills and Fieldwork</u>
<ul style="list-style-type: none">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	<ul style="list-style-type: none">understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America	<ul style="list-style-type: none">describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycledescribe 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 and water	<ul style="list-style-type: none">use maps, atlases, globes and digital/computer mapping to locate countries and describe features studieduse fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.



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Year 4 - Where does our food come from?

National Curriculum- KS End Point	Sticky Knowledge	Vocabulary
<ul style="list-style-type: none"> Describe and understand key aspects of: Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle 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 and water Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies. Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world 	<ul style="list-style-type: none"> To know where North and South America are on a world map. To know that climate zones are areas of the world with similar climates. To know the world's different climate zones. To know that biomes are areas of the world with similar climates, vegetation and animals. To know the world's biomes. To know vegetation belts are areas of the world which are home to similar plant species. To know the main types of land use. To know that countries near the Equator have less seasonal change than those near the poles. To know that the Equator is a line of latitude indicating the hottest places on Earth and splitting our globe into the Northern and Southern Hemispheres. To know lines of longitude are invisible lines on the globe that determine how far east or west a location is from the Prime Meridian. To know lines of latitude are invisible lines on the globe that determine how far north or south a location is from the Equator. To know the Tropics of Cancer and Capricorn are lines of latitude and mark the equatorial region; the countries with the hottest climates. To know the Northern and Southern hemisphere are 'halves' of the Earth, above and below our Equator and have alternate seasons to each other. To know that the hottest biomes are found between the Tropics of Cancer and Capricorn. To know that climates can influence the foods able to grow. To know that a natural resource is something that people can use which comes from the natural environment. To know that fair trading is the process of ensuring workers are paid a fair price, have safe working conditions and are treated with respect and equality. To know the UK grows food locally, and imports food from other countries. To know that grid references help us locate a particular square on a map. To know an enquiry-based question has an open-ended answer found by research. To know what a questionnaire and an interview are. To know that quantitative data involves numerical facts and figures and is often objective. To know that qualitative data involves opinions, thoughts and feelings and is often subjective. 	<p>air freight, carbon footprint, consume, distribution, export, fertiliser, food bank, food miles, grant, import, pesticides, produce, qualitative, quantitative, reliability, responsible trade, sample size, scale bar, seasonal food, source, sustainability, trade, trend</p> <p style="text-align: center;">Unit Outcomes</p> <ul style="list-style-type: none"> Identify that different foods grow in different biomes and say why. Explain which food has the most significant negative impact on the environment. Consider a change people can make to reduce the negative impact of food production. Describe the intentions around trading responsibly. Explain that food imports can be both helpful and harmful. Describe the journey of a cocoa bean. Locate countries on a blank world map using an atlas. Use a scale bar correctly to measure approximate distances. Collect data through an interview process. Analyse interview responses to answer an enquiry question. Discuss any trends in data collected.
Prior Learning	Key Question(s):	Future Learning
<ul style="list-style-type: none"> Locate some cities in the UK. Describe the difference between villages, towns and cities. Identify features on an OS map using the legend. Describe the different types of land use. Follow a route on an OS map. Discuss reasons for the location of human and physical features. Locate some geographical regions in the UK. Identify and begin to offer explanations about changes to features in the local area. Describe the location of New Delhi. Identify some human and physical features in New Delhi. State some similarities and differences between land use and features in New Delhi and the local area. 	<ul style="list-style-type: none"> How can our food choices impact the environment? What does it mean to trade responsibly? How do we get our chocolate? Where does our food come from? Are our school dinners locally sourced? Is it better to buy local or imported food? 	<ul style="list-style-type: none"> Describe a biome and give an example. State the location and some key features of the Amazon rainforest. Name and describe the four layers of tropical rainforests. Understand that trees and plants adapt to living in the rainforest and give an example. Define the word indigenous and give an example of how indigenous peoples use the Amazon's resources. Name one way in which the Amazon is changing. Articulate why the Amazon rainforest is important. Give an example of how humans are having a negative impact on the Amazon and an action that can be taken to help. Use a variety of data collection methods with support. Summarise how the local woodland is used and suggest changes to improve the area.



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Golden Threads			
<u>Locational Knowledge</u>	<u>Place Knowledge</u>	<u>Human and Physical Geography</u>	<u>Geographical Skills and Fieldwork</u>
<ul style="list-style-type: none">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	<ul style="list-style-type: none">Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America	<ul style="list-style-type: none">Describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycleDescribe 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 and water	<ul style="list-style-type: none">Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studiedUse fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.



Shawington Primary School Geography Curriculum



Year 4 - Why are rainforests important to us?

National Curriculum- KS End Point	Sticky Knowledge	Vocabulary
<ul style="list-style-type: none"> • Describe and understand key aspects of: Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle • 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 and water • Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies. • Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied • Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world 	<ul style="list-style-type: none"> • To know where North and South America are on a world map. • To know the names of some countries and major cities in Europe and North and South America. • To know the names of some of the world's most significant rivers. • To know that climate zones are areas of the world with similar climates. • To know the world's biomes. • To know vegetation belts are areas of the world which are home to similar plant species. • To know the name of some counties in the UK (local to your school). • To know that countries near the Equator have less seasonal change than those near the poles. • To know that the Equator is a line of latitude indicating the hottest places on Earth and splitting our globe into the Northern and Southern Hemispheres. • To know lines of latitude are invisible lines on the globe that determine how far north or south a location is from the Equator. • To know the Tropics of Cancer and Capricorn are lines of latitude and mark the equatorial region; the countries with the hottest climates. • To know that the water cycle is the processes and stores which move water around our Earth and to be able to name these. • To know that a biome is a region of the globe sharing a similar climate, landscape, vegetation and wildlife. • To know that the hottest biomes are found between the Tropics of Cancer and Capricorn • To know the world's different climate zones. • To know that climates can influence the foods able to grow. • To know the main types of land use. • To know that a natural resource is something that people can use which comes from the natural environment. • To know the threats to the rainforest both on a local and global scale. • To recognise world maps as a flattened globe. • To know that an OS (Ordnance survey) map is used for personal use and organisations use it for housing projects, planning the natural environment and public transport and for security purposes. • To know that an OS map shows human and physical features as symbols. • To know an enquiry-based question has an open-ended answer found by research. • To know what a questionnaire and an interview are. • To know that quantitative data involves numerical facts and figures and is often objective. • To know that an annotated drawing or sketch map is hand drawn and gives a rough idea of features of an area without having to be completely accurate. • To know that qualitative data involves opinions, thoughts and feelings and is often subjective. • To know what a bar chart, pictogram and table are and when to use which one best to represent data 	<p>Analyse, biome, buttress roots, canopy layer, community, data, deforestation, drought, emergent layer, enquiry, equator, forest floor, global warming, greenhouse gas, indigenous peoples, interpret, lianas, lines of latitude, logging, method, mining, present, questionnaire, quote, risk, route, summarise, Tropic of Capricorn, Tropic of Cancer, understory layer, vegetation, vegetation belts</p> <hr/> <p style="text-align: center;">Unit Outcomes</p> <ul style="list-style-type: none"> • Describe a biome and give an example. • State the location and some key features of the Amazon rainforest. • Name and describe the four layers of tropical rainforests. • Understand that trees and plants adapt to living in the rainforest and give an example. • Define the word indigenous and give an example of how indigenous peoples use the Amazon's resources. • Name one way in which the Amazon is changing. • Articulate why the Amazon rainforest is important. • Give an example of how humans are having a negative impact on the Amazon and an action that can be taken to help. • Use a variety of data collection methods with support. • Summarise how the local woodland is used and suggest changes to improve the area.



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Prior Learning	Key Question(s):	Future Learning	
<ul style="list-style-type: none"> Locate some cities in the UK. Describe the difference between villages, towns and cities. Identify features on an OS map using the legend. Describe the different types of land use. Follow a route on an OS map. Discuss reasons for the location of human and physical features. Locate some geographical regions in the UK. Identify and begin to offer explanations about changes to features in the local area. Describe the location of New Delhi. Identify some human and physical features in New Delhi. State some similarities and differences between land use and features in New Delhi and the local area. 	<ul style="list-style-type: none"> Where in the world are tropical rainforests? What is the Amazon rainforest like? Who lives in the rainforest? How are rainforests changing? How is our local woodland used?: Data collection How is our local woodland used?: Findings 	<ul style="list-style-type: none"> Locate the Alps on a world map and identify and label the eight countries they spread through. Locate three physical and three human characteristics in the Alps. Research and describe the physical and human features of Innsbruck. Use a variety of data collection methods including completing a questionnaire, mapping their route and recording their findings in sketches or photographs. Compare the human and physical geography of their local area and Innsbruck. Describe at least four of the key aspects of the human and physical geography of the Alps to answer the enquiry question, 'What is life like in the Alps?' 	
Golden Threads			
<u>Locational Knowledge</u>	<u>Place Knowledge</u>	<u>Human and Physical Geography</u>	<u>Geographical Skills and Fieldwork</u>
<ul style="list-style-type: none"> 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 Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night) 		<ul style="list-style-type: none"> Describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle 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 and water 	<ul style="list-style-type: none"> Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.