



Substantive Themes 2023-2024

	Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Landforms	<p>Journey to Forest School The children will learn that we pass different landmarks in school on our journey to Forest School. They will be able to use the terms map, ground, bank, hill, landmark, forest.</p>	<p>Where I Live The children will learn that Plympton is a town and that there are different features that make up our local area. They will be able to use the terms city, town, village, factory, house, office, landmark and shop.</p>	<p>Our Local Area The children will learn that there are 4 countries in the UK and be able to locate the UK seas and oceans (ANIE). They will know the human features and physical features of the local area.</p> <p>Ghana The children will learn about how the land is used and how the seasons affect this. They will then compare this to Plymouth.</p> <p>Wembury The children will learn about the coast and compare it to their local area.</p>	<p>Coasts The children will learn that a coastline is where land meets water. The children will explore a range of landforms (coastal features) created as a result of the erosion process. These landforms include stacks, stumps, arches and caves.</p> <p>Rivers The children will learn about the features of a river including the upper, lower and middle courses.</p>	<p>Antarctica The children will look at the landforms of the ice shelf/cap, icebergs, glaciers, mountains and dry valleys.</p> <p>Rainforests Children will find out about the layout of a rainforest.</p>	<p>North America The children will learn about the five environmental regions of North America and the landforms found within each region.</p> <p>Egypt: Then and Now The children will learn about the River Nile and its importance to life in Egypt. The River Nile and the Nile Delta are significant landforms in Egypt.</p>	<p>Extreme Earth The children will learn that a volcano is a landform created by a series of eruptions, with each eruption causing a new layer of rock to be formed.</p> <p>Campania And Devon The children will learn that significant landforms include Mount Vesuvius (Campania) and Dartmoor National Park (Devon).</p>
Climate	<p>Seasons</p>	<p>Whatever the Weather The children will learn about the different types of weather we experience and what it is like in Plympton. They will begin to understand the changes in weather patterns and how these change depending on if we are closer to/ further away from the sun.</p>	<p>Ghana The children will look at the different seasons in Accra and Plymouth and compare these. They will think about how the climate affects how the land is used.</p>	<p>Rivers The children will understand the role of a river in the water cycle.</p>	<p>Antarctica The children will look at how the Earth's tilt means that the sun's rays have further to travel to each of the poles/ sunlight reflected by snow and atmospheric particles also absorb or scatter the sun's energy which causes the cold, dark and desert conditions of Antarctica.</p> <p>Rainforests The children will look at</p>	<p>North America The children will learn about the climates found within each environmental region and how these vary depending on the location of the region.</p> <p>Egypt: Then and Now Children will learn that 90% of Egypt is desert and that only 2cm of rain falls annually in Egypt. This climate means that Egyptian people are</p>	<p>Extreme Earth The children will learn that the idea that volcanoes are solely found in warm climates is a misconception. Children will understand that the most significant volcanic eruptions can have a short-term cooling effect on climatic temperatures but that their CO2 contribution (and therefore their long term impact on climate change) is minimal</p>



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					the tropics and equator to explore why the countries here are hotter and that this leads to more sunlight and heavier rainfalls. The children will link the climate of rainforests to where they are located in the world.	dependent on the waters of the Nile to survive.	compared with that generated by human activity. Campania And Devon The children will learn that the climate of Campania is generally warmer and drier than that of Devon. They will understand that this is partly because of Campania's more southerly location.
Processes	Seasons	Whatever the Weather The children will learn that changing weather patterns is a process. They will be able to locate the North and South Poles as well as the equator. They will understand that the closer we are to the equator, the hotter it is. Google Maps will support this.	Local area The children will learn how land is used in our local area and compare the land in Plympton and Yealmpton. Ghana The children will learn about how the climate is affecting the land in Accra, specifically the coastline.	Coasts The children will learn that erosion is a process. Coastal erosion is the process in which land is worn away by water through the action of waves and tides. The children will learn that there is a high tide and a low tide twice a day. Tides are caused by the gravitational pull of the moon. Tides have an effect on the rate of erosion. Rivers The children will learn how the processes of erosion and deposition affect and create changes along the journey of a river.	Antarctica Children will look at the process of Global warming and how this is causing the ice cap/shelf to melt/shrink and sea levels to rise.	Egypt: Then and Now Children will learn about the construction of the Aswan High Dam on the River Nile. They will study the positive and negative effects of its construction. The children will learn that the creation of the Aswan High Dam has decreased the flow of water downstream and is causing the Nile Delta to shrink due to a reduction in the amount of silt being transported from upstream,	Extreme Earth The children will learn the process by which a volcano is formed involves the repeated eruption of the volcano, with each eruption causing a new layer of rock to be formed. The children will also learn how the location of volcanoes is linked to the boundaries between tectonic plates as this is where the earth's crust is weakest.



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<p>Sustainability</p> <p>(A process, resource or state can be maintained at a certain level for as long as is needed)</p>			<p>Local area The children will know why land is used and how growing populations affect it.</p> <p>Ghana The children will explore how land is used in Accra as well as the limitations of land use linked to the effects of climate.</p> <p>Wembury Children will look at ways we can preserve the marine habitats and wildlife in the surrounding area of Wembury and Wembury beach.</p>	<p>Coasts The children will identify strategies to slow down and reduce the rate of coastal erosion.</p>	<p>Antarctica The children will look at ways we can save energy/water and recycle to reduce the Greenhouse gases produced to slow Global warming.</p> <p>Rainforests The children will look at ways of sustaining the rainforest and how to reduce and reuse resources.</p>	<p>Egypt: Then and Now Children will become aware of water as a resource and an area of conflict. The waters of the Nile are under pressure from increased population in North-East Africa.</p>	<p>Extreme Earth Children will understand that the most significant volcanic eruptions can have a short-term cooling effect on climatic temperatures but that their CO2 contribution (and therefore their long term impact on climate change) is minimal compared with that generated by human activity.</p>
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