



Subject: Year 9 Term 2 (Spring Term) Geography

Overarching Topic: Climate & Weather			
<p>Why is this topic being studied at this time?</p> <p>How does it fit into the wider subject curriculum?</p>	<p>This is the fourth topic of The Changing Landscapes of the UK section of The Physical Environment unit, and follows on from geology, coasts and rivers. Our students will have a sound knowledge of rock types, coastal processes and the journey along a river from source to mouth. Now our students have learnt about the processes which impact the land and sea, they are ready to move onto climate and weather.</p> <p>Climate Our students will learn about the different climate zones, how heat is transferred across the globe, natural and human causes of climate change, the impacts of climate change and what is being done to tackle climate change.</p> <p>Weather Our students will study tropical storms and droughts, looking at the causes and impacts, before moving on to four case studies; Hurricane Sandy, Typhoon Haiyan, Ethiopian droughts and Californian droughts. Explaining how heat is transferred across the globe via the air and the oceans will allow the students to understand why there is a pattern to the Earth's climate. This will then enable the students to see why droughts and tropical storms occur where they do, and how the impacts of climate change will vary across the world. The comparative case studies links this part of the course to The Human Environment unit studied in year 10.</p>		
	Essential	Core	Ambitious
<p>The Big Questions (What questions will students be able to answer upon mastery of the topic?)</p>	<p>What are the main climate zones of the world and how do they differ?</p> <p>What is climate change?</p> <p>What is the enhanced greenhouse effect?</p> <p>What are the negative global impacts of climate change?</p> <p>What is a tropical storm?</p>	<p>How is heat transferred across the globe?</p> <p>What are the natural causes of climate change?</p> <p>How is human activity accelerating climate change?</p> <p>How was the USA impacted by Hurricane Sandy?</p> <p>How was the Philippines impacted by Typhoon Haiyan?</p> <p>How was the USA impacted by drought?</p>	<p>How does the global atmospheric circulation model dictate climate zones?</p> <p>How is climate change being tackled on a global scale?</p> <p>Why are there variations in the UK climate and which challenges do these bring?</p> <p>Why do meteorological and climatological hazards impact countries in different ways?</p>

	What is a drought?	How has Ethiopia been impacted by a cycle of drought?	
The Key Skills/ Techniques	The sophistication and application of skills will become more advanced as students' progress through the essential, core and ambitious knowledge		
	Skill/Technique	How will this skill be developed?	
	Comparison and evaluation of case studies	Students will be able to compare and contrast case studies of countries at differing levels of development. This will involve detailed understanding of each case study before completing evaluation and assessment tasks.	
	Locational knowledge	Students will be looking at a variety of global processes and issues and will be able to locate these in the world. This will involve map work.	