



Weather and Climate: Climate zones, UK weather, types of rainfall and clouds, the climate crisis, challenges of changing weather patterns, climate change solutions

Subject:

Module 1

Overarching Topic: Weather and Climate			
<p>Why is this topic being studied at this time?</p> <p>How does it fit into the wider subject curriculum?</p>	<p>Topical with opportunities to examine both the local area and wider geographical locations and issues through both hazards and climate change. Is climate change the most serious challenge humans face? Links to map and graphical skills. Also opportunities to examine satellite images and maps of local area. Pupils will be able to build upon their knowledge as they learn each topic.</p> <p>Getting pupils to consider why we experience the weather we do and how the climate is changing. Investigating the impact of climate change and how this varies between countries. A consideration of the impact their action has on the global climate cycle and other people across a range of scales and locations.</p>		
	Critical	Core	Pinnacle
<p>The Big Questions (What questions will students be able to answer upon mastery of the topic?)</p>	<ul style="list-style-type: none"> • Definition of weather and climate. • What are the different types of precipitation? • Why are some parts of the UK wetter / warmer than others? • What is climate change? • How might causes of climate change be natural or human? • How will this affect me? • What can I change to stop climate change? 	<ul style="list-style-type: none"> • What is the difference between weather and climate? • UK patterns of weather, linking to air masses • Why is the UK weather so changeable? Links to fronts • How does the timescale of global climate point towards humans? • How do we know that the climate is changing? • How and why might the impacts of climate change vary globally? • Using named case studies, Explain why some parts of the world are more affected by climate 	<ul style="list-style-type: none"> • Extended writing opportunities to include Greta Thunberg's powerful speeches <p>What mitigation and adaption strategies exist?</p> <p>How does a country's situation impact its ability to respond to climate change?</p> <p>Where does the focus of climate change solutions sit?</p> <p>Latest climate conferences (COP's)</p>

		<p>change than others.</p> <ul style="list-style-type: none"> • What can be done to manage climate change? • How might the scales of climate change solutions be different? 	
The Key Skills/ Techniques	The sophistication and application of skills will become more advanced as students' progress through the critical, core and pinnacle knowledge.		
	Skill/Technique	How will this skill be developed?	
	Map Skills	<p>Plotting countries to identify where items are made. Plotting countries that are used as case studies. Students being able to identify patterns on maps</p>	
	Exam skills – Use of specific information e.g case studies	<p>Presentation of book – Highlight key words/using vocab organiser Identifying the difference between describe and explain Extended writing using scaffolding and example answers.</p>	