

Year 8 Learning Map

Extreme Weather

<p>Prior Learning This topic builds on lessons at primary school where you learned how to describe key aspects of physical geography, including climate zones.</p> <p>It also builds on your knowledge of human geography, including types of settlement and land use, and economic activity (relates to methods of preparing for a hurricane).</p>		<p>Current Learning In this topic you will learn about the formation of tropical storms through global atmospheric circulation and the differences in pressure at different latitudes.</p> <p>You will then look at how countries are vulnerable to tropical storms, using Hurricane Sandy as an example of vulnerability and risk.</p> <p>We also look at how Hurricane Sandy affected the USA, and make assessed judgments about countries' abilities to respond to these impacts.</p>	<p>Subsequent Learning This topic is focussed on interaction between the human and physical world, which is very relevant in others topics from Key Stages 3-5.</p> <p>Your next topic - Coastal Landscapes - involves the same level of thinking; we look at the issues the coast is facing (erosion) and the ways we manage this, similarly to how extreme weather impacts on people.</p>	
Lesson Sequencing		Tier 3 Vocabulary	Wider Reading Opportunities	Ways in which parents/carers can support
Lesson 1	Causes of extreme weather	Global atmospheric circulation. Coriolis force Source area Tropics ITCZ – Intertropical Convergence Zone Vulnerability Preparation Response Development Infrastructure	BBC Bitesize – Tropical storms . Covers the formation and location. National Geographic – information on Hurricane Sandy causes and impacts.	Watch/share any news reports or documentaries on any past or current storms occurring. Relate the weather forecasts to global atmospheric circulation. Ask them questions about the weather patterns. Check spelling, punctuation and grammar during homework tasks.
Lesson 2	Formation of tropical storms			
Lesson 3	Impacts of tropical storms			
Lesson 4	Skill practice			
Lesson 5	How to reduce the risk			
Lesson 6	Hurricane Sandy - preparation			
Lesson 7	USA – impacts and vulnerability			
Lesson 8	Hurricane Sandy - responses			