

Topics in this cycle: Weather and Climate	Taught: Autumn 2	Year Group: 7
Key knowledge/concepts to be learnt ('Tell me about...')		Websites/blogs/YouTube links and further reading to deepen and consolidate learning
<ul style="list-style-type: none"> • The difference between weather and climate - which features of the weather can be observed and measured. What is a climate graph and how can it be used. • What are the features of different climate zones? How does the climate differ between equatorial, temperate, Mediterranean and hot deserts. • Which factors affect climate? - how does the height above sea level, distance from the equator and the direction that the wind blows from affect the climate. • Why does the wind blow? What causes high and low pressure? How and why does air move from one place to another? • Why and how does it rain? - how does the water cycle work? What are the different types of rainfall? • What are the causes and effects of climate change? What are the natural and human causes of climate change? What will the impact of climate change be on people and places. 		<p>BBC Bitesize: Weather Weather - KS3 Geography - BBC Bitesize - BBC Bitesize</p> <p>Climate Climate - KS3 Geography - BBC Bitesize - BBC Bitesize</p> <p>Climate Change Climate change - KS3 Geography - BBC Bitesize - BBC Bitesize</p> <p>YouTube: Geography KS3 Climate BBC Teach - YouTube What's the Difference Between Weather and Climate? - YouTube What's the difference between weather and climate? - BBC News - YouTube Why Does It Rain? - YouTube Climate Change - Ade on the Frontline Geography KS3 / GCSE BBC Teach - YouTube What effect does Global Warming have? BBC Teach - YouTube</p>

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Key Vocabulary and Definitions To Be Learnt		What Will The Assessment Look Like?
Weather	The condition of the atmosphere over a short period of time.	End of Unit test: 30 minutes <ul style="list-style-type: none"> • Short answer questions • Multiple choice • Extended writing
Atmosphere	The air that surround us	
Climate	The average temperature and rainfall over a longer period of time.	
Climate Graph	A graph showing the monthly average temperature and total rainfall	
Precipitation	Any water that falls from the sky – rain, snow, sleet and hail.	
Latitude	The distance north and south of the equator.	Family Learning Opportunities
Convection	The circular movement of heat.	<p>Test yourself and your family on the key vocabulary from this unit.</p> <p>Create a weather diary over the course of a week – has it rained? What is the temperature?</p>
Greenhouse effect	Warming due to greenhouse gases trapping heat from the sun.	
Greenhouse gas	Gases released from the burning of fossil fuels.	
Deforestation	The large scale removal of trees.	
Temperature	The measure of how hot and cold it is.	
Prevailing wind	The direction from which the wind blows the most.	
Temperate	An area with mild climate – warm summer and cool winters	
Equatorial	Regions on or around the equator	
Pressure	The force of the air pressing down on the surface of the earth.	
Evaporation	When a liquid turns into a gas – water turning into water vapour	

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Condensation	When a gas turns back into a liquid – water vapour turning into water	
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