



# Summer Term Learning Journey for Geography

## Yr 7 Weather and Climate



### How does this unit link to prior learning?

Year 7 What is Geography

(You will use and apply the locational knowledge that you developed in the autumn term, especially when you are comparing climate zones in different parts of the world)

### What will you be learning about?

In this unit you will investigate the UK's weather and climate. You will learn about the different air masses and pressure systems that affect the UK's weather. You will find out about three different types of rainfall and why they may occur in different parts of the UK. You will then learn about what we mean by extreme weather and how extreme weather events can affect people in the UK and in other parts of the world. Finally you will learn about the factors that influence the global climate.

### We will develop our learning each week by focusing on:

1) Weather vs Climate You will understand what the difference is between weather and climate. You will also begin to look at how weather affects people	RAG	9) Extreme Weather part 1 - Tropical Storms You will look at what is meant by the term extreme weather, plotting the distribution of tropical storms onto a map and then looking at their effects.	RAG
2) The Water Cycle You will look at the water cycle, exploring the keywords, explaining their meanings and explaining how this physical process works		10) End of Year Assessment You will be assessed on all of the work that you have done during year 7 and any gaps or misconceptions will be addressed	
3) Measuring the Weather You will investigate how we measure the weather, what equipment is used and why		11) Extreme Weather part 2 - Flooding You will now look at a UK based case study of extreme weather, looking at the flooding that occurred in Carlisle	
4) Air pressure You will investigate air pressure, looking at the key differences between high and low pressure, explaining how that directly links to the weather		12) Weather Forecasting - <b>Awe and Wonder</b> You will complete a weather forecast; you will be drawing on all the skills and knowledge that you have gained during this topic	
5) Interim Assessment You will be assessed on the first part of this unit and any gaps or misconceptions will be addressed		13) Climate zones You begin to look at climate zones around the world, locating them and identifying key characteristics of them	
6) Air Masses You will explore the different air masses that affect the UK. You will also look at weather fronts and how they affect the UK		14) The Hadley Cell and Deserts You will begin to explore global atmospheric circulation, focusing particularly on the Hadley cell linking back to the ideas about pressure you learnt previously	
7) Types of Rainfall You will be able to identify the 3 types of rainfall, and explain what causes the different types of rainfall		15) Climate change You will look at the key issues that are surrounding climate change, understanding how it will effect the world	
8) Microclimates - <b>Awe and Wonder</b> You will be undertaking an investigation around Lode Heath School looking into microclimates around the building			

### Key vocabulary

Weather	Climate	Convectio nal	Relief	Maritime	Continent al	Tropical	Extreme weather	Storm	Hadley Cell

How will this help you in the future?	
<b>KS4</b>	<b>Beyond LHS</b>
This unit links to the GCSE Geography course, specifically the Challenge of Natural Hazards Unit	The weather and our climate affects many aspects of our daily lives. There are many career opportunities which link to weather and climate such as meteorologist and insurance risk assessor



## (Autumn) Learning Journey for (subject here)

*Ad Astra*

How does this unit link to prior learning?		
What will you be learning about?		
We will develop our learning each week by focusing on:		
	Skills	RAG
<u>1.</u> (Key learning topic here)		
<u>2.</u> (Key learning topic here)		
<u>3.</u> (Key learning topic here)		
<u>4.</u> (Key learning topic here)		
<u>5.</u> (Key learning topic here)		

<b>6.</b> (Key learning topic here)		
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**Key vocabulary**


**How will this help you in the future?**

<b>KS4</b>	<b>Beyond LHS</b>