



Autumn Term Learning Journey for Geography

Yr 9 Natural Hazards



How does this unit link to prior learning?

Year 7 What is Geography (map skills), Year 7 Weather and Climate (extreme weather) Year 8 Globalisation (development differences)

What will you be learning about?

How does this link to the wider curriculum?

In this unit you will discover the sections of the earth and how plate boundaries work. You will explore how and why volcanoes erupt and what damage they can cause. Then you will discover what causes earthquakes and why their impacts can be very different in different countries and how to make buildings safe from earthquakes. Finally, you will investigate the impacts of tsunamis and tropical storms. For each aspect of the natural hazards unit you will focus on the physical processes that cause the hazard, the ways it can affect people and the ways in which people can reduce the risk level of the hazard.

British Values: Mutual Respect – Providing aid and support to victims of natural hazards. Individual Liberty – Reasons why people choose to live near volcanoes.

We will develop our learning each week by focusing on:

1. Structure of the Earth You will piece together the structure of the earth and then start to discover what plates are and how convection currents make them move.	RAG	7. Super Volcanoes You look at how the impacts of a super volcano can be different to a composite and shield volcano with the focus on Yellowstone in the USA.	RAG
2. Plate Boundaries You will stuck to develop your understanding of plates by looking at the different types of plate boundaries and the hazards created by them		8. Earthquakes You will be able to explain the formation of the next hazard; earthquakes, and then also compare the effectiveness of earthquake measuring scales.	
3. Volcanoes You will compare the formation and characteristics of shield and composite volcanoes.		9. Case studies You will compare two different earthquake case studies; Chile (HIC) and Haiti (LIC).	
4. Iceland Eruption After learning about the characteristics of volcanoes, you will focus on the impacts and responses to a volcanic eruption in Iceland.		10. Earthquake Proof Buildings. Awe and Wonder You will discover the ways in how countries try to make buildings withstand earthquakes and then complete a DME task based on EQ proof buildings.	
5. Interim Assessment You will be assessed on the first part of the unit and any gaps or misconceptions will be addressed.		11. End of Unit Assessment You will be assessed on everything you have learnt through this unit and some elements of Year 8 and then close any gaps on misunderstandings.	
6. Living by Volcanoes You investigate how and why people live close to volcanoes and then assess whether or not it is worth the risk of an eruption.		12. Other Hazards The final part of this module will see you have a brief look in to the formation, effects and responses of other hazards like tsunamis.	

Key vocabulary

Plate tectonics	Destructive plate boundary	Conservative plate boundary	Constructive plate boundary	Magma	Pyroclastic flow	Seismic waves	Focus	Epicentre	Supervolcano
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How will this help you in the future?

KS4

This unit will prepare you for other physical geography topics as you will practice explaining physical processes in a logical sequence and using case study examples to support your ideas. There is also part of the GCSE Geography course which has a focus on rivers and coasts.

Beyond LHS

This unit will enable you to gain an in depth understanding of the causes, effects and management of natural hazards so that you are better able to engage with world events when natural hazards occur. There are also a number of careers available in associated areas such as volcanologists, insurance risk assessors and hazard management officers.



(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:

1. (Key learning topic here)	Skills	RAG
2. (Key learning topic here)		
3. (Key learning topic here)		
4. (Key learning topic here)		
5. (Key learning topic here)		
6. (Key learning topic here)		

Key vocabulary

How will this help you in the future?

KS4

Beyond LHS