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| **GCSE – Unit 1 Hazardous Earth - Tectonics** | **Unit Navigator - Tectonics** | | | | |
| **LG1**: Demonstrate knowledge of locations affected by tectonic hazards, tectonic processes, and environments  **LG2**: Demonstrate geographical understanding of tectonic concepts and how they are used in relation to places, environments and processes. The inter-relationships between places, environments and processes.  **LG3:** Interpret planet cross sections and plate boundary maps, Select, adapt and use a variety of skills and techniques to investigate questions and issues and communicate findings. | Assessment Grades | Key terms: | | | |
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| **Theme** | **Learning Goals/Outcomes/Content** | |  |  |  |
| What are the Layers of the Earth? | LG1 – To know and understand the structure of the Earth’s interior. | |  |  |  |
| What are tectonic plates & how do they move? | LG1 – To know how and why the earth is broken into tectonic plates.  LG2 – To be able to identify boundaries & hotspots globally. | |  |  |  |
| What are the different types of Volcanoes? | LG1 – To know the different types of volcanoes and how they are formed. | |  |  |  |
| What are the impacts and how do people respond to volcanic hazards? | LG1: To know the impacts of and responses to different types of volcanic activity.  LG2: To understand how these might vary due to a range of factors. | |  |  |  |
| What are the impacts and responses to Volcanic eruptions in the Emerging World? | LG1: To know and understand the primary/secondary impacts of the **1991 Pinatubo eruption**, as well as the responses to this event. | |  |  |  |
| What are the impacts and responses to Volcanic eruptions in the Developed World? | LG1: To know and understand the primary/secondary impacts of the **Hawaii Kilauea eruptions**, as well as the responses to this event. | |  |  |  |
| What are Earthquakes and where do they occur? | LG1: To know and understand why earthquakes occur at convergent plate boundaries as well as how we measure earthquakes.  LG2: To apply understanding of plate tectonics to explain these patterns | |  |  |  |
| How do Earthquakes cause Tsunamis? | LG1: To understand how earthquakes causes tsunami | |  |  |  |
| *POSSIBLY What are the impacts and responses to Earthquakes in the developed world?* | *LG1: To know and understand the impacts and responses of an earthquake in a developed country such as Japan.* | |  |  |  |
| *POSSIBLY What are the impacts and responses to Earthquakes in the developing/emerging world?* | *LG1: To know and understand the impacts and responses of an earthquake in a developing country such as Haiti.* | |  |  |  |

**Links:**

**LG1**: Demonstrate knowledge of locations, places, processes, environments and different scales.

**LG2**: Apply knowledge and understanding to case studies at different levels of development – a key theme throughout GCSE geography.

**LG3:** Interpreting maps and diagrams occurs throughout geography at KS3, GCSE and is a key feature of A level, especially Paper 3. Use of Richter scale was introduced at KS3. Interpreting a range of social media sources which is also a key skill at A level.