GES YEAR 9 GEOGRAPHY

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| TOPIC: Natural Hazards |

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| Theme: Describe and explain how earthquakes and volcanoes are hazards. | Level: Year 9  Term 2  Half Term 1  Jan-Feb 2020 |
| Objectives: To discover how natural hazards affect life of humans. |

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| Focussing Questions | Key Words | |
| 1. What is the Earth’s structure?    1. What are the 3 main layers of the Earth and their characteristics?    2. Explain why the crust is solid and mantle s liquid.    3. Compare the oceanic crust to continental crust. 2. What is the significance of plate boundaries?    1. What is a plate?    2. What occurs on the edge of plate boundaries due to movement?    3. Describe the pattern of earthquake and volcano occurrence.    4. Describe the 3 main types of plate movement at boundaries.    5. Explain how convection currents cause plates to move. 3. Earthquakes as a hazard.    1. Describe what happens during an earthquake.    2. Sketch and explain how earthquakes occur.    3. State the difference between epicentre and focus of an earthquake.    4. State what seismometers are and define magnitude of an earthquake.    5. How are earthquakes measured? 4. An earthquake in southwest China.    1. Describe location of Sichuan.    2. Explain what caused the earthquake naming the plates involved.    3. List the effects of the earthquake on social and economic aspects.    4. Explain why more people were killed that would be expected.    5. Evaluate the response to the earthquake. 5. Volcanoes as a hazard.    1. What is a volcano?    2. Sketch a labelled diagram of a volcano.    3. What are the hazards caused by an eruption?    4. Decide which hazard is most dangerous to humans living nearby. 6. Iceland eruption case study.    1. Investigate and presents the effects of the case study and explain why people still choose to live near there. | Natural hazards  Plate tectonics  Plate boundaries  Mantle  Continental crust  Oceanic crust  Core  Lithosphere  Convection currents  Fault lines  Focus  Epicenter  Seismic wave  Tsunami  Composite volcano  Shield volcano  Lava  Crater  Main vent  Pyroclastic flow  Ash fallout  Granite  Basalt  Divergent, convergent and constructive plate boundaries  The Sichuan earthquake 2008  Iceland  Tourism  Geothermal energy  Resources | Explaining words:  ...so...  ..because...  Therefore...  As a result...  This means that...  Therefore...  This caused...  ...Due to the fact...  ...caused…  However |

**Text Book: departmental textbooks and worksheets**