

High Tunstall College of Science Curriculum Intent

Subject: Geography Year: 9 Half term: 5/6

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| **Unit: Extreme Planet – Tectonic Hazards** | **Progress** | | |
| **Key ideas** | **R** | **A** | **G** |
| Earthquakes and volcanic eruptions are the result of physical processes (CGP p4-5) |  |  |  |
| The effects of & responses to, a tectonic hazard vary between areas of contrasting levels of wealth (CGP p6-7) |  |  |  |
| Management can reduce the effects of a tectonic hazard (CGP p8) |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Plate tectonics theory | * Describe the features of oceanic crust | Tectonic hazard, Tectonic plate, Oceanic crust, Continental crust. |
| **2** | Global distribution of earthquakes and volcanic eruptions and their relationships to plate margins | * Numeracy work with earthquake data. * Describe the pattern of active volcanoes on the map | Tectonic plate, Volcano. |
| **3** | Physical processes taking place at different types of plate margin (constructive, destructive and conservative) that lead to earthquakes and volcanic activity | * Labelled diagrams of plate boundaries. * Written piece or work explaining how earthquakes happen * Living seismogram * ILO Exam Question from Natural Hazards | Conservative plate margin, Constructive plate margin, Destructive plate margin, Earthquake, Plate margin, Volcano. |
| **4** | Primary and secondary effects of a tectonic hazard – earthquake | * Primary and secondary effects categorisation * 6 or 9 mark exam question | Primary effects, Secondary effects. |
| **5** | Immediate and long term responses to a tectonic hazard – earthquake | * ESPC Decision making exercise * Photo stimulus exam question. * Triple Challenge | Immediate responses, Long-term responses. |
| **6** | How the effects to a tectonic hazard vary between areas of contrasting levels of wealth; **New Zealand earthquake** and **Nepal earthquake.** Part 1. | * Comparing 2 earthquakes activity. * ILO Exam Question from Natural Hazards | Immediate responses, Long-term responses, Primary effects, Secondary effects. |
| **7** | How the effects to a tectonic hazard vary between areas of contrasting levels of wealth; **New Zealand earthquake** and **Nepal earthquake.** Part 2. | * Comparing 2 earthquakes activity. | Immediate responses, Long-term responses, Primary effects, Secondary effects. |
| **8** | Reasons why people continue to live in areas at risk from a tectonic hazard | * Tectonic Town * Benefits of living in an area of tectonic activity. Photo stimulus exam question. | Hazard risk, Geothermal. |
| **9** | How monitoring, prediction, protection and planning can reduce the risks from a tectonic hazard | * Venn diagram activity of 3 P’s * Annotated image * Summary sheet * Exam question | Monitoring, Planning, Prediction, Protection. |
| **10** | To revise the topic of Tectonic Hazards ahead of the assessment. | * Notes produced * Revision ILO for end of unit assessment | All the above. |
| **11** | Assessment in exam conditions. | * Natural Hazards 30 marks summative assessment | All the above. |