

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. |