Unit 2: Hostile World

Section A – Living with natural hazards

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key Question:** What are the causes and effects of earthquakes and volcanic eruptions and how do people prepare for and respond to them? | | | | |
| **Key Ideas** | **Specification Content** | **☺** | **😐** | **☹** |
| The damaging effects of earthquakes and volcanic eruptions. | Use examples to describe the primary and secondary  damage caused by earthquakes and volcanic eruptions.  Explain how the effects might vary among countries with  different levels of economic development. |  |  |  |
| The causes of earthquakes and  volcanic eruptions. | Describe the global distribution of earthquakes and  volcanoes and their relationship to plate boundaries. The  physical processes taking place at different types of plate  boundaries and the consequences. Include constructive,  destructive and conservative boundaries. |  |  |  |
| Why people live in areas at risk from earthquakes and volcanic eruptions | Describe the advantages of living in areas at risk from  earthquakes and volcanic eruptions. Include geothermal  energy, tourism, and fertile soils. Explain why people  choose to stay in, or are unable to move away from an  area at risk from earthquakes and volcanic eruptions. |  |  |  |
| Reducing the damaging effects of  earthquakes and volcanic eruptions. | Describe a range of strategies and methods used to  reduce the damaging effects of earthquakes and volcanic  eruptions used in countries with different levels of economic development. Include short-term responses and long-term responses (prediction, planning, and preparation). |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key Question:** What are the causes and effects of tropical storms and how do people prepare for and respond to them? | | | | |
| **Key Ideas** | **Specification Content** | **☺** | **😐** | **☹** |
| The damaging effects of tropical storms.  . | Describe the primary and secondary effects of  tropical storms. Explain how the effects might  vary among countries with different levels of  economic development. |  |  |  |
| The causes of tropical storms. | Describe the global distribution of tropical storms. The physical processes leading to the formation of a tropical storm in one region of the world. |  |  |  |
| Reducing the damaging effects of tropical storms. | Describe strategies and methods used to reduce the damaging effects of tropical storms.  Include monitoring, use of GIS, education and other preparation in countries with different levels of economic development. |  |  |  |
| Tropical storms could become more frequent and their distribution may change. | Explain why the distribution and frequency of tropical storms may change. Include the impact of climate change |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key Question:** What are the causes and effects of wildfires and how do people prepare for and respond to them? | | | | |
| **Key Ideas** | **Specification Content** | **☺** | **😐** | **☹** |
| The effects of wildfires. | Describe the effects of wildfires on people and the environment |  |  |  |
| • The causes of wildfires. | Describe the climatic features found in areas  where wildfires are common and how these  lead to the formation of wildfires. Using an  example, explore the extent to which wildfires  are ‘natural’ hazards. |  |  |  |
| Reducing the damaging effects of wildfires. | Describe strategies and methods used to reduce the damaging effects of wildfires.  Include evacuation, education and the role of the emergency services. |  |  |  |
| Wildfires could become more frequent and their distribution may change. | Explain why the distribution and frequency of wildfires may change. Include the effects of increasing numbers of people living in and using semi-arid areas, increased frequency of drought due to climate change. Explain  why areas in which wildfires occur should be protected. |  |  |  |