**The challenge of natural hazards**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Revision 1 | http://images.clipartof.com/thumbnails/70561-Royalty-Free-RF-Clipart-Illustration-Of-A-Digital-Collage-Of-Nine-Black-And-White-Faces.jpg | http://images.clipartof.com/thumbnails/70561-Royalty-Free-RF-Clipart-Illustration-Of-A-Digital-Collage-Of-Nine-Black-And-White-Faces.jpg | http://images.clipartof.com/thumbnails/70561-Royalty-Free-RF-Clipart-Illustration-Of-A-Digital-Collage-Of-Nine-Black-And-White-Faces.jpg | Revision 2 |
| Natural hazards |  |  |  |  |  |
| I can define a **natural hazard** and give some examples of the different types. |  |  |  |  |  |
| I can explain the different factors that affect **risk**. |  |  |  |  |  |
| Tectonic hazards |  |  |  |  |  |
| I can describe the distribution of **earthquakes** and **volcanoes**.  |  |  |  |  |  |
| I explain the differences between **destructive, constructive** and **conservative** plate margins.  |  |  |  |  |  |
| I know the main features of an **earthquake** and two different ways of measuring earthquakes.  |  |  |  |  |  |
| Using named examples of a tectonic hazard in both rich (**Chile)** and poor **(Nepal)** countries. I can:(1) Explain why the **tectonic hazard** happened there, (2) Describe the effects that resulted from the **earthquakes** both primary and secondary.(3) Describe what was done after the **earthquake** (responses), both in the long and short term. |  |  |  |  |  |
| I can explain why **earthquakes** cause more loss of life in poor than in rich countries. |  |  |  |  |  |
| I can explain why people continue to live in areas at risk of **tectonic hazards (Iceland)**. |  |  |  |  |  |
| I can explain how monitoring, planning, protection and prediction of **tectonic hazards** can reduce their effects. |  |  |  |  |  |
| Weather hazard  |  |  |  |  |  |
| I can describe the **global atmospheric circulation model.** |  |  |  |  |  |
| I can explain how the **global atmospheric circulation** model affects weather around the world.  |  |  |  |  |  |
| I can describe the distribution of **tropical storms.**  |  |  |  |  |  |
| I can explain the causes of a **tropical storm.** |  |  |  |  |  |
| Using a named example I can describe and explain the primary and secondary impacts of **tropical storms**. **(Typhoon Haiyan)** |  |  |  |  |  |
| I can assess and evaluate methods of responses **tropical storms** in both the long and the short term using a named example. **(Typhoon Haiyan)** |  |  |  |  |  |
| I can explain how **tropical storms** might be affected by **global warming.** |  |  |  |  |  |
| I can explain how monitoring, planning and prediction of **tropical storms** can reduce their effects.  |  |  |  |  |  |
| I can explain the cause of an **extreme weather** event using an example. **(Somerset levels)** |  |  |  |  |  |
| I can describe and explain the social, economic and environmental effects using an example. **(Somerset levels)** |  |  |  |  |  |
| I can identify evidence of the weather becoming more extreme using an example. **(Somerset levels / Beast from the east / Recent summers)** |  |  |  |  |  |
| I can explain how extreme events can be managed to reduce the impacts. **(Somerset levels)** |  |  |  |  |  |
| I can assess and evaluate the **impact** that weather conditions have upon people homes, lives, agriculture, health and transport. **(Somerset levels)** |  |  |  |  |  |
| Climate change |  |  |  |  |  |
| I can explain the evidence both for and against **climate change.**  |  |  |  |  |  |
| I can explain both the **natural** and **human** causes of climate change. |  |  |  |  |  |
| I can assess and evaluate the economic, social, environmental and political impacts of **climate change** both on the world and the UK. (**Maldives)** |  |  |  |  |  |
| I can describe and evaluate the **mitigation** strategies used to reduce the impact of global **climate change** on a **local, national and international** level. |  |  |  |  |  |
| I can describe and evaluate the **adaption** strategies used to reduce the impact of global **climate change** on a **local, national and international** level. **(Maldives)** |  |  |  |  |  |