

Summer Project for A Level Geographers – September 2018

In order to help prepare you for A level Geography next year you must complete the following project over the summer holiday.

Tectonic hazards- earthquakes, volcanic eruptions and secondary hazards such as tsunamis – represent a significant risk in some parts of the World. This is especially the case when active tectonic boundaries interact with areas of high population density and low levels of development. Resilience in these places can be low and the interaction of physical systems with vulnerable populations can result in major disasters. An in-depth understanding of the causes of tectonic hazards is key to both increasing the degree to which they can be managed, and putting in place successful responses that can mitigate social and economic impacts and allow humans to adapt to hazard occurrence.

In preparation for this topic you must complete case studies on the following:

1. The 2004 Asian Tsunami
2. The 2010 Eyafjallajokull volcanic eruption
3. The 2011 Japanese tsunami

For each case study you must research the following:

1. The cause of the hazard including the physical processes.
2. The short and long term local effects caused by the hazard.
3. The short and long term global effects of the hazard.
4. The management of the hazard.