**Hazards Review Notes –Volcanoes**

**Volcanoes**

**Describe and explain where volcanoes are found (global distribution)**

**What plate margins are volcanoes found on?**

**What are hotspots? How are island arcs formed?**

**What determines the severity of a volcanic hazard?**

**How are volcanic hazards measured?**

**What are the different types of magma?**

**How do the characteristics of lava differ?**

**How do volcanoes on destructive and constructive margins differ? (Include information on their shape as well as explosivity etc)**

**How can we mitigate for volcanic eruptions?**

* **Preparation**
* **Prevention**
* **Adaptation**

**(see booklets and give examples)**

**How is Mt Etna monitored? Evaluate the effectiveness of the monitoring.**

**What are the primary effects of a volcanic eruption? Describe them and rank them in order of severity.**

**What are the secondary effects of a volcanic eruption? Describe them and rank them in order of severity.**

**Mini case studies of volcanic eruptions to include a range of primary and secondary hazards, shapes and boundary types. (estream 4663)**

**Case study examples Mt Etna.**

**To include:-**

**The spatial and temporal setting of the event.**

**The association of the event to plate boundaries and plate movement.**

**The causes of the event.**

**The perception of the event, and the factors affecting those perceptions at a range of scales –e.g. magnitude, frequency, population characteristics.**

**The impacts and an assessment of the impacts.**

**Assessment and justification of the response to the event – including the factors affecting the response.**