

LESSON PLANNING FRAMEWORK (KEY STAGE THREE)

Title of Lesson: Natural Hazards – Volcanoes

Lesson Aims: To increase awareness of the nature of volcanoes, their causes and effects.

Learning Objectives:

- To gain background knowledge of the physical processes that cause volcanic eruptions
- Heighten awareness of the different types of volcanoes that exist (Active / Dormant / Extinct)
- Use map work and computer skills to locate major volcanoes in the world
- Pose questions about the effects of volcanoes on 1: the natural environment
2: people

Subject Content: National Curriculum/Syllabus Links:

Thematic Studies: 7: Tectonic Processes (7d: Volcanoes)

Cross Curricular Links: Use of ICT skills

Resources: Computers, Relevant video footage of volcanic eruptions, TV and Video player

Advance Preparation (Room and Equipment): Installation of “Window on the World” CD Rom onto School computers

Differentiation: Using the computer package, pupils will be able to work at a pace that suits them.

Teaching Strategies/Actions:	Time:	Learning Activities:
Introduction: Video (Savage Earth) Illustrating a volcanic eruption	10mins	Group observation
Spray diagram exercise on board to find Out existing knowledge of volcanoes	10mins	Group discussion
Ideas copied into books	10mins	independent note taking
Move to computers, log on and enter Computer package as directed by teacher	5mins	Group Organisation
Task set: To find out about two volcanoes (1: Mt. Pinatubo 2: Mt. St. Helens). Take Notes forming two concise case studies.	25mins	Independent study/enquiry
Any pupils that finish all tasks can go on To play the game “Volcano” designed to Increase understanding of satellite images		
Log off of computers and set homework Task	10mins	

Assessment Opportunities:

Homework: To write a newspaper report on one of the two volcanic eruptions studied on the computer. Write from the perspective of an eyewitness, describing the surrounding environment and the consequences for people living near by.