Task

Managing a volcanic hazard: research volcano using internet resources; writing a hazard management report and map

Presentation

Group presentations: presenting the volcanic hazard and its management; peer and self-assessment of presentations

Volcano		
Explosive Index		
Explosive fluex	 	
Fruntive Style		

Hazard Management Report

Brief History of Activity

Current Stage of Alert ______
Changed Stage of Alert _____

Total Population at risk

Halfway through the first hour, students were given information which upgraded the alert levels, so they had to react to this new scenario e.g.

Kilauea Volcano

After some spectacular fire fountains, the north-east rim of the Kilauea crater has split and collapsed along a 200 metre front and lava is spilling out over the lower rim towards Glenwood. Sulphur Dioxide emissions have increased to 3200 ton/day and there is a moderate breeze from the south-west



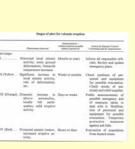
Promoting the enhancement of
Teaching and Learning Activities:
An Integrated Hazard Management
Approach
Sue Heard



Purpose - to outline an integrated approach towards the understanding of Hazard Management, which uses different teaching styles: lectures, a video and group work to enable students to be:

- Efficient learners
- Active participants in their own learning process

Use of an authentic UN Volcanic Emergency Management handbook was available to give some authenticity to the task







Teaching: Providing an integrated approach to a particular section of a 3rd year Honours course using different methods to teach and assess students. Promoting student-centred learning, transferable skills and a deep approach to learning

Learning Activities

Active listening and recording relevant information Team work

IT Skills

Structured Report Writing

Presentation Skills

Peer Assessment

Reflection

Student-centred learning

Other Transferable skills: adaptability and flexibility

problem solving
using initiative
cartographic skills
working to a strict time limit
evaluating rapid change
synthesis of materials
decision making skills
enquiry and research skills
communication skills

Reflection on the exercise

- •The task and presentations worked very well; students engaged with the exercise and were interested and motivated
- •Peer and self-assessment of the presentations was not an original element of the exercise. With reflection it would be a valuable part of student learning, especially if the students were involved in setting the criteria for peer assessment.