



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Science
Topic	Earth and Space – Natural disasters
Class Teacher	Warne, Nicholson, Routh, Mansur, Constant, Ruwona, Boardman
Head Teacher	Routh
Year	9
Date Given	Week 8
Date Due	Week 10 term 1 (Specific date given by teacher)
Weighting	30%

Assessment Outline

Scientific Poster and in-class Presentation

This assessment will be completed in two parts.

Part 1 (15 marks)

Students to create a detailed scientific poster on a chosen geological natural disaster. The poster must be at least A3 in size and include diagrams, pictures, graphs and concise information. The details needed on the poster are outlined in the task on the following page. Students will be expected to demonstrate a high-level of research ability to complete the poster. This will be submitted at the conclusion of your presentation, unless an alternative is specified by your classroom teacher.

Part 2 (5 marks)

Students to present a 2-3 minute speech on their poster to the class. The focus is on your presentation skills; speaking clearly, maintaining eye contact with the audience and using time effectively.

Non-completion of Task:

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your teacher beforehand. If you are suddenly away on the day that the task is due, you must contact your teacher or Head Teacher on your return to school. Documentation will be required in both cases.

Plagiarism:

Plagiarism, the using of the work of others without acknowledgement, will incur serious penalties and may result in a zero award. Any cheating will also incur penalties.

Failure to follow the above procedures may result in a zero award.

The policies and procedures that are outlined on the ROSA booklet will be followed regarding the non-completion of assessment tasks.

Outcomes Assessed

- **SC5 – 7WS** Process and analyse data and information from secondary sources
- **SC5 – 8WS** Produce plausible explanations and solutions to identified problems
- **SC5 – 9WS** Present scientific ideas using appropriate text and representations
- **SC5 – 12ES** Describes changing ideas about the structure of the Earth and the universe to illustrate how models, theories and laws are refined over time by the scientific community

Scientific Poster and Presentation

Part 1 (Total: 15 marks)

Poster

1. Choose a geological disaster from the following list. If you wish to choose a disaster not from the list, you must have it approved by your classroom teacher.

Volcanoes:

- Pompeii, Italy 79 A.D
- Ruiz, Colombia, 1985
- Krakatoa, Indonesia 1883
- Mt St Hellens, USA 1980

Earthquakes:

- Kashmir, Pakistan 2005
- Haiti 2010
- Anchar, Peru 1970
- Tokyo Japan 1923

Tsunamis:

- Japan 2011
- Tonga 2022
- Sumatra 2004
- Lisbon 1755

Selected Disaster _____

Your poster must include detailed information on:

2. Describe the details of the disaster including, but not limited to: **(5 marks)**
 - a. When the disaster occurred
 - b. The location of the disaster (include a labelled map)
 - c. The size of the disaster
 - d. The overall impact of the disaster (what damage occurred)
 - e. What the leading causes of injury and loss of life from the disaster
3. The tectonic setting of the disaster **(5 marks)**
 - a. The tectonic plates involved and their relative motion
 - b. Type of tectonic plate boundary
 - c. Include a labelled diagram of the tectonic plate boundary
4. How the damage of the disaster could have been mitigated (reduced) **(5 marks)**
 - a. Identify a technology or engineering solution that reduces the impact of the disaster
 - b. Explain how it could be used to mitigate damage
 - c. Include a picture or diagram to demonstrate its effectiveness

Part 2 (Total: 5 marks)

You will have to present your poster to the class and your teacher. Your presentations should not be any longer than 3 minutes. You should focus on your presentation skills such as:

- Clear voice
- Eye contact with the audience
- Avoid reading a script
- Appropriate speech length (2-3 minutes)

