

Project Work

Specification

The purpose of this project is to explore the hazards associated with volcanoes or earthquakes and to investigate how people prepare or prevent them. You may make a model of the volcano - this will be extra credit. This project has 2 parts – a presentation and a written part. You can also make a movie.

SUGGESTED LIST OF ASSIGNMENTS:

Part 1: Written part – you have a choice: **VOLCANO** or **EARTHQUAKE**

- It can be a newspaper article, a power point presentation, a comic book, or poster or a short summary if you make a movie
- A bibliography is a **MUST**
- Use the Internet and books found at the library.
- You must explain as much as possible about your chosen volcano/earthquake – see below

Part 2: Presentation of your project to the class

- 5-8 min in length – if you make a movie or present in person
- Audible – everyone should be able to hear you
- Pictures or drawings or other illustrations

You need to cover all the information and pictures /other graphics.



Materials Required

Text book, Relevant websites, maps, newspaper and various magazines

Instructions/Guidelines

The project should include;



CONTENTS
(All topics and sub topics)

ACKNOWLEDGEMENT
(People who have helped/inspired you for this project)

INTRODUCTION
(Brief outline of the topic chosen)

OBJECTIVE AND SCOPE
(Reason of choosing your topic and varied fields you would be touching upon)

METHODOLOGY AND MAIN BODY

VOLCANO

- Name of volcano
- Elevation (how tall is the volcano)
- Country where volcano is located (include a map)
- Population of that Country
- Language spoken in the Country
- Plant and animal life that live on the volcano or near the base of the volcano.
- Describe how the volcano is important to the people who live near it (religious, cultural, traditions...etc) and describe how they use the volcano.



Earth's Plates

- Name of Earth's plate or plates that surround your volcano
- Type of plate boundary located at your near your volcano (divergent, convergent, transform fault)
- Explain the interaction of the type of plate boundary located at or near the volcano you have chosen.
- Explain the basic driving force for plate movement

Volcano Type

- Explain the basic anatomy of a volcano –cross-section drawing
- Name your volcano type (shield, cinder cone, composite)
- Explain how your type of volcano is created/produced and how this affects its shape/size.

ERUPTION

- What factors cause your volcano to erupt
- How does an eruption from your type of volcano look
- How often does it erupt
- When did it erupt last and what was the damage

HAZARD

- Volcanic hazards - is it only the lava that is a problem or are there other hazards such as lahars, pyroclastic flows, and ash fall?

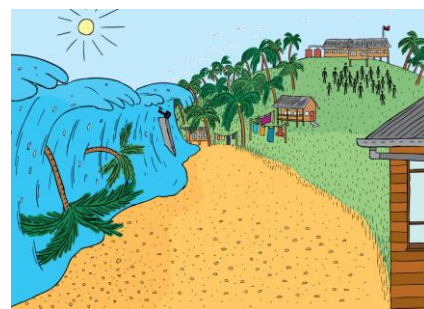
SAFETY

- How can you prepare for a volcanic eruption?
- Is there any means of early warning?
- Which is considered the most dangerous type of volcano? Explain why?

OR

EARTHQUAKES AND TSUNAMIS

- Name of earthquake
- Country where earthquake occurred (include a map)
- Population of that Country
- Language spoken in the Country
- Plant and animal life that live in the earthquake zone



Earth's Plates

- Name of Earth's plate or plates that is close to the earthquake
- Type of plate boundary located at your near your earthquake (divergent, convergent, transform fault)
- Explain the interaction of the type of plate boundary located at or near your earthquake
- Explain the basic driving force for plate movement
- Explain what earthquakes are and why they occur
- Why do earthquakes occur in California? Which plates are interacting in what ways? What parts of the plates are breaking to cause earthquakes?

Hazard

- List and explain the different hazards caused by earthquakes (falling objects, collapsing infrastructure, lahars, tsunamis) and
- How to avoid them?

Safety

- Explain what people can do to prepare for an earthquake (safety).
- Include what people should put in an earthquake survival kit.

CONCLUSION (Your deductions and suggestions)

BILIOGRAPHY (Mention all your reference points)

DATE OF SUBMISSION: - 8th JANUARY 2019