

## YEAR 7 HSIE

### Research Assignment

#### Natural Hazards and their Impact

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**Length:** Maximum 800 words. This is an individual task and your teacher will give you instructions about the presentation requirements.

**Due Date:** Week 10, Term 1.

**Value:** 20% of semester mark.

#### **Purpose of this assignment**

*To research and gain an understanding of the factors contributing to geomorphic (relating to the geology of the earth) hazards and their impact on the physical and human environment.*

#### **The outcomes targeted**

- 4.2 Describes processes and influences that form and transform places and environments.
- 4.4 Examines perspectives of people and organisations on a range of geographical issues.
- 4.7 Acquires and processes geographical information by selecting and using geographical tools for inquiry.
- 4.8 Communicates geographical information using a variety of strategies.

#### **Task**

Research and provide information about one type of geomorphic natural hazard. Choose ONE actual disaster that is example of a geomorphic hazard. Present your findings according to your teacher's instructions.

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#### **Understand your Task**

Choose ONE of these examples of geomorphic hazards:

earthquakes, tsunamis, volcanoes

1. Provide a [definition and description](#) of the type of hazard you have selected.
2. [Explain](#) the physical/geographical processes that cause this hazard.
3. [Identify and investigate](#) a particular example of a disaster caused by your chosen hazard. Use maps/photos and other diagrams to highlight the main points of your discussion.
4. Explain the impact of your example on both the physical environment and the human environment.

Extension task: Investigate how communities responded to the impact of your specific example.

#### **Locate Information**

There are many books in the library about natural hazards and particular disasters. Browse the 363 and 551 shelves and use the [library catalogue](#) (search on subject 'disasters' or 'volcanoes' etc.) to find information in other sections of the library. Information can also be found by [searching the internet](#) and there are numerous videos available by searching each type of hazard on the [ClickView video service](#). There is also very helpful information in the [World Book online](#).

Extension research: use [Electric Library](#) to search for newspaper articles.

#### **Select and Analyse**

Choose relevant information in the form of text, maps, pictures/photos, graphs, timelines etc. [Make notes](#) from the resources you choose.

## Organise and Synthesise

[Use this scaffold](#) to collect and organise your research notes or create your own. [Use your own words](#) when writing sentences and paragraphs.

## Create and Present

Your teacher will give you instructions about the presentation format. It should be geographical in nature, use correct terminology and include the necessary maps/photos/pictures or diagrams and any other visual materials. Perhaps you could try using [Prezi or another online presentation tool](#) to present your information. Check out these tips on [how to create effective visual presentations](#). Include a properly written [bibliography](#).

## Evaluate and Reflect

Use the marking guidelines below to assist you to achieve in the higher performance bands.

## Marking criteria

Research 10%, Presentation 10%.

	Research	Presentation
<b>Advanced</b>  9 -10 marks for each component	<ul style="list-style-type: none"><li>• Uses a wide range of relevant text and online information resources and includes highly relevant images and other media.</li><li>• Includes a properly written bibliography.</li></ul>	<ul style="list-style-type: none"><li>• Clear definition and description of the hazard and detailed explanation of the causes that demonstrates a strong understanding of the task.</li><li>• Identifies and provides detailed investigation of chosen geomorphic disaster.</li><li>• Explanation exhibits a deep understanding of the impact of natural hazards on both the physical and human environment.</li><li>• Clear, highly effective communication that is interesting, informative and well structured.</li><li>• Uses a variety of highly relevant visual aids.</li></ul>
<b>Highly competent</b>  7 - 8 marks for each component	<ul style="list-style-type: none"><li>• Uses a range of text and online information resources and includes relevant images and/or other media.</li><li>• Includes a properly written bibliography.</li></ul>	<ul style="list-style-type: none"><li>• Clear definition and description of the hazard and explanation of the causes that demonstrates a sound understanding of the task.</li><li>• Identifies and provides investigation of chosen geomorphic disaster.</li><li>• Explanation exhibits a sound understanding of the impact of natural hazards on both the physical and human environment.</li><li>• Clear, effective communication that is interesting, informative and well structured.</li><li>• Uses a variety of relevant visual aids.</li></ul>
<b>Competent</b>  5 - 6 marks for each component	<ul style="list-style-type: none"><li>• Uses both text and online information resources and includes some relevant images and/or other media.</li><li>• Includes a bibliography.</li></ul>	<ul style="list-style-type: none"><li>• Mostly clear definition and description of the hazard and explanation of the causes that demonstrates an understanding of the task.</li><li>• Makes reference to a geomorphic disaster event with some detail.</li><li>• Explanation exhibits a reasonable understanding of the impact of natural hazards on both the physical and human environment.</li><li>• Mostly clear communication that is interesting, informative and structured.</li><li>• Uses some relevant visual aids.</li></ul>
<b>Developing</b>  3 - 4 marks for each component	<ul style="list-style-type: none"><li>• Uses some information resources and includes some relevant images or other media.</li><li>• Includes an attempt at a bibliography.</li></ul>	<ul style="list-style-type: none"><li>• Limited communication that conveys a few facts and has little structure.</li><li>• Narrative comment on a geomorphic disaster event and its environmental impact.</li><li>• Some clear communication.</li><li>• Some use of visual aids.</li></ul>
<b>Experiencing difficulty</b>  1 - 2 marks for each component	<ul style="list-style-type: none"><li>• Uses few information resources and does not include any relevant images or other media.</li><li>• No bibliography included.</li></ul>	<ul style="list-style-type: none"><li>• Very brief, basic presentation with one or two points stated.</li><li>• Little detail and no structure.</li><li>• Some description of impacts.</li><li>• No use of supporting resources.</li></ul>

## Natural disasters web sites

<https://australia.gov.au/about-australia/australian-story/natural-disasters>

<http://www.ema.gov.au>

<http://www.bom.gov.au/>

<http://www.ga.gov.au/hazards/>

[Electric Library media database](#)

[World Book online](#)