

### [Activities](#) [1]

#### Interactive Activities

Loading [The Moving Crust](#) [2]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-386761"), "quiz", "386761", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Geohazards](#) [3]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-386765"), "quiz", "386765", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Volcanoes in New Zealand](#) [4]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-386971"), "quiz", "386971", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Volcanic Hazards](#) [5]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-386972"), "quiz", "386972", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Iceland](#) [6]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-386978"), "quiz", "386978", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Iceland's Volcanoes](#) [7]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-386983"), "quiz", "386983", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Drilling into a Volcano](#) [8]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-386996"), "quiz", "386996", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Lessons from Iceland](#) [9]

```
var QuizWorks = window.QuizWorks || []; QuizWorks.push([document.getElementById("embed-quiz-387137"), "quiz", "387137", { autostart: false, width: "100%", height: "640px" }]);
```

Loading [Coping with Geohazards](#) [10]



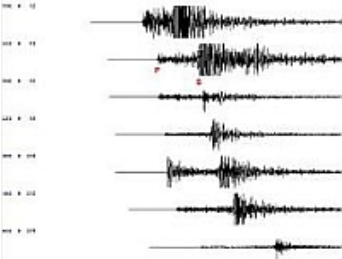
```
var QuizWorks = window.QuizWorks || []; QuizWorks.push(
```

# Activities

Published on LEARNZ (<http://learnz.org.nz>)

[document.getElementById("embed-quiz-387145"), "quiz", "387145", { autostart: false, width: "100%", height: "640px" } ] );

## Printable Activities

Curriculum Area	Strand	Learning Outcome	Activity
Science Level 3-4	Planet Earth and Beyond	<ul style="list-style-type: none"><li>Identify the major plates and their boundaries</li><li>Apply the theory of plate tectonics</li><li>Model movement of plates</li></ul>	<ul style="list-style-type: none"><li>Pangaea to Present - <a href="#">Word</a> [11] (152k)   <a href="#">PDF</a> [12] (192k)</li><li>Geohazard Impacts - <a href="#">Word</a> [13] (89k)   <a href="#">PDF</a> [14] (338k)</li></ul>
	Nature of Science		
Social Studies Level 3-5	Place and Environment	<ul style="list-style-type: none"><li>Inform people how to protect themselves and their property from a disaster</li><li>Show how a disaster should be managed</li></ul>	<ul style="list-style-type: none"><li>How Safe is My House <a href="#">Word</a> [15] (60k)   <a href="#">PDF</a> [16] (92k)</li><li>Civil Defence Poster - <a href="#">Word</a> [17] (245k)   <a href="#">PDF</a> [18] (190k)</li></ul>
and			
English Level 3-5	Presenting	<ul style="list-style-type: none"><li>Present information effectively</li><li>Summarise and categorise earthquake impacts</li></ul>	<ul style="list-style-type: none"><li>Canned Disaster - <a href="#">Word</a> [19] (2Mb)   <a href="#">PDF</a> [20] (176k)</li><li>Geohazard Impacts - <a href="#">Word</a> [13] (89k)   <a href="#">PDF</a> [14] (350k)</li></ul>
			
Mathematics Level 3-4	Number and Algebra	<ul style="list-style-type: none"><li>Apply number strategies and number knowledge to a range of problems related to the virtual field trip</li></ul>	<ul style="list-style-type: none"><li>Field Trip Number Challenge - <a href="#">Word</a> [21] (31k)   <a href="#">PDF</a> [22] (125k)</li><li>Geohazards Work it Out - <a href="#">Word</a> [23] (39k)   <a href="#">PDF</a> [24] (267k)</li></ul>
	Statistics		

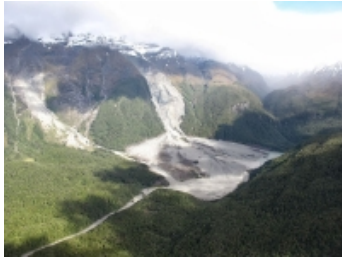
# Activities

Published on LEARNZ (<http://learnz.org.nz>)

---

Science Level 4-8

Planet Earth and Beyond



Nature of Science

Physical World

- See patterns in the worldwide distribution of earthquakes and volcanoes
- Understand that New Zealand's location on a plate boundary explains why the country has earthquakes and volcanoes
- Understand that specialists collaborate to provide evidence to support their ideas
- Understand how base isolators protect buildings from damage during earthquakes
- Be able to predict where future earthquakes might occur
- Understand the movement of plate boundaries in different parts of New Zealand
- World of Quakes and Volcanoes - [Word](#) [25] (335k) | [PDF](#) [26] (398k)
- Shaky New Zealand - [Word](#) [27] (204k) | [PDF](#) [28] (274k)
- Plates Quakes and Volcanoes - [Word](#) [29] (456k) | [PDF](#) [30] (551k)
- Plate Boundary Models - [Word](#) [31] (4.3Mb) | [PDF](#) [32] (821k)
- How Safe is My House - [Word](#) [15] (60k) | [PDF](#) [16] (92k)
- Earthquake Prediction - [Word](#) [33] (185k) | [PDF](#) [34] (93k)
- Slinky Simulation - [Word](#) [35] (364k) | [PDF](#) [36] (191k)
- Human Molecules - [Word](#) [37] (300k) | [PDF](#) [38] (200k)
- Home Disaster Kit - [Word](#) [39] (348k) | [PDF](#) [40] (382k)
- A Tsunami

## Activities

Published on LEARNZ (<http://learnz.org.nz>)

---

NCEA Geography  
Level 2

Explain a Natural  
Environment



Spatial Analysis

- Look for patterns in earthquake events but appreciate that earthquakes cannot be predicted
  - Explain the causes and impacts of tsunami
  - Develop an understanding that increasing stress within the earth builds up until it is released as an earthquake
  - Model how seismic waves travel through the Earth
  - Demonstrate the properties of seismic waves
  - See patterns in the worldwide distribution of earthquakes and volcanoes
  - Understand that New Zealand's location on a plate boundary explains why
- Through the Window - [Word](#) [41] (1.2Mb) | [PDF](#) [42] (117k)
- World of Quakes and Volcanoes - [Word](#) [25] (334k) | [PDF](#) [26] (398k)
  - Shaky New Zealand - [Word](#) [27] (204k) | [PDF](#) [28] (274k)
  - Plates Quakes and Volcanoes - [Word](#) [29]

- the country has earthquakes and volcanoes
  - Be able to predict where future earthquakes might occur
  - Understand the movement of plate boundaries in different parts of New Zealand
  - Look for patterns in earthquake events but appreciate that earthquakes cannot be predicted
  - Explain the causes and impacts of tsunami
- (456k) | [PDF](#) [30] (551k)
- Plate Boundary Models - [Word](#) [31] (4.3Mb) | [PDF](#) [32] (821k)

### More things to try

- **diaries and journals** - keep your own field trip diary - [Word](#) [43] (13k) | [PDF](#) [44] (k) | [Google doc](#) [45].
- **LEARNZ field trip Web Quest**. This print-and-copy task helps students become familiar with the field trip website functions. It also assists students with their inquiry skills, particularly information gathering and asking good questions. Students need to have an internet connection and their class login - [Word](#) [46] (845k) | [PDF](#) [47] (671k) | [Google doc](#) [48].
- **field trip web conference activity**. Students can work on this activity while they listen to live or recorded web conferences - [Word](#) [49] (25k) | [PDF](#) [50] (167k) | [Google doc](#) [51]. Notes from these pages could be shared to help put together the class web conference summary.
- **A simple activity for students to build connections between words and improve their vocabulary**. Students could enter words from the field trip glossary into <http://graphwords.com/>.

### Post field trip activity

---

## Activities

Published on LEARNZ (<http://learnz.org.nz>)

---

How much have I learnt? - [Word](#) [52] | [PDF](#) [53] | [Google doc](#) [54]

**Source URL:** <http://learnz.org.nz/naturalhazards183/activities>

### Links

- [1] <http://learnz.org.nz/naturalhazards183/activities>
- [2] <https://www.onlinequizcreator.com/the-moving-crust/quiz-386761>
- [3] <https://www.onlinequizcreator.com/geohazards/quiz-386765>
- [4] <https://www.onlinequizcreator.com/volcanoes-in-new-zealand/quiz-386971>
- [5] <https://www.onlinequizcreator.com/volcanic-hazards/quiz-386972>
- [6] <https://www.onlinequizcreator.com/iceland/quiz-386978>
- [7] <https://www.onlinequizcreator.com/iceland-s-volcanoes/quiz-386983>
- [8] <https://www.onlinequizcreator.com/drilling-into-a-volcano/quiz-386996>
- [9] <https://www.onlinequizcreator.com/lessons-from-iceland/quiz-387137>
- [10] <https://www.onlinequizcreator.com/coping-with-geohazards/quiz-387145>
- [11] <http://learnz.org.nz/sites/learnz.org.nz/files/pangaea-to-the-present.doc>
- [12] [http://learnz.org.nz/sites/learnz.org.nz/files/pangaea-to-the-present\\_0.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/pangaea-to-the-present_0.pdf)
- [13] <http://learnz.org.nz/sites/learnz.org.nz/files/geohazard-impacts.doc>
- [14] <http://learnz.org.nz/sites/learnz.org.nz/files/geohazard-impacts.pdf>
- [15] [http://learnz.org.nz/sites/learnz.org.nz/files/how-safe-is-my-house\\_0.doc](http://learnz.org.nz/sites/learnz.org.nz/files/how-safe-is-my-house_0.doc)
- [16] [http://learnz.org.nz/sites/learnz.org.nz/files/how-safe-is-my-house\\_0.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/how-safe-is-my-house_0.pdf)
- [17] [http://learnz.org.nz/sites/learnz.org.nz/files/poster-activity\\_0.doc](http://learnz.org.nz/sites/learnz.org.nz/files/poster-activity_0.doc)
- [18] [http://learnz.org.nz/sites/learnz.org.nz/files/poster-activity\\_0.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/poster-activity_0.pdf)
- [19] [http://learnz.org.nz/sites/learnz.org.nz/files/disaster-can-activity\\_0.doc](http://learnz.org.nz/sites/learnz.org.nz/files/disaster-can-activity_0.doc)
- [20] [http://learnz.org.nz/sites/learnz.org.nz/files/disaster-can-activity\\_0.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/disaster-can-activity_0.pdf)
- [21] [http://learnz.org.nz/sites/learnz.org.nz/files/field-trip-number-challenge\\_3.doc](http://learnz.org.nz/sites/learnz.org.nz/files/field-trip-number-challenge_3.doc)
- [22] [http://learnz.org.nz/sites/learnz.org.nz/files/field-trip-number-challenge\\_3.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/field-trip-number-challenge_3.pdf)
- [23] [http://learnz.org.nz/sites/learnz.org.nz/files/geohazards-work-it-out\\_0.doc](http://learnz.org.nz/sites/learnz.org.nz/files/geohazards-work-it-out_0.doc)
- [24] [http://learnz.org.nz/sites/learnz.org.nz/files/geohazards-work-it-out\\_0.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/geohazards-work-it-out_0.pdf)
- [25] <http://learnz.org.nz/sites/learnz.org.nz/files/world-of-quakes.doc>
- [26] <http://learnz.org.nz/sites/learnz.org.nz/files/world-of-quakes.pdf>
- [27] <http://learnz.org.nz/sites/learnz.org.nz/files/shaky-new-zealand.doc>
- [28] <http://learnz.org.nz/sites/learnz.org.nz/files/shaky-new-zealand.pdf>
- [29] <http://learnz.org.nz/sites/learnz.org.nz/files/plates-and-quakes.doc>
- [30] <http://learnz.org.nz/sites/learnz.org.nz/files/plates-and-quakes.pdf>
- [31] <http://learnz.org.nz/sites/learnz.org.nz/files/new-zealand-plate-boundary-models.doc>
- [32] <http://learnz.org.nz/sites/learnz.org.nz/files/new-zealand-plate-boundary-models.pdf>
- [33] <http://learnz.org.nz/sites/learnz.org.nz/files/earthquake-prediction.doc>
- [34] <http://learnz.org.nz/sites/learnz.org.nz/files/earthquake-prediction.pdf>
- [35] <http://learnz.org.nz/sites/learnz.org.nz/files/slinky-simulation-activity.doc>
- [36] <http://learnz.org.nz/sites/learnz.org.nz/files/slinky-simulation-activity.pdf>
- [37] <http://learnz.org.nz/sites/learnz.org.nz/files/human-molecules-activity.doc>
- [38] <http://learnz.org.nz/sites/learnz.org.nz/files/human-molecules-activity.pdf>
- [39] <http://learnz.org.nz/sites/learnz.org.nz/files/home-disaster-kit.doc>
- [40] <http://learnz.org.nz/sites/learnz.org.nz/files/home-disaster-kit.pdf>
- [41] <http://learnz.org.nz/sites/learnz.org.nz/files/tsunami-thro-the-window-earth-learning-idea.doc>

## Activities

Published on LEARNZ (<http://learnz.org.nz>)

---

[42] <http://learnz.org.nz/sites/learnz.org.nz/files/tsunami-thro-the-window-earth-learning-idea.pdf>

[43] <http://learnz.org.nz/sites/learnz.org.nz/files/Diaries%20and%20Journals.docx>

[44] <http://learnz.org.nz/sites/learnz.org.nz/files/Diaries%20and%20Journals.pdf>

[45] [https://docs.google.com/document/d/17R4NPdWekoUxDUyVquOr1\\_5uuKvKF7Nnb7NkPEHMg\\_4/edit?usp=sharing](https://docs.google.com/document/d/17R4NPdWekoUxDUyVquOr1_5uuKvKF7Nnb7NkPEHMg_4/edit?usp=sharing)

[46] <http://learnz.org.nz/sites/learnz.org.nz/files/shelleys-web-quest.doc>

[47] <http://learnz.org.nz/sites/learnz.org.nz/files/shelleys-web-quest.pdf>

[48] <https://docs.google.com/document/d/19QKf3M0c3MD8TqYKbrAFyXXDY8g9h00IwRz7Nhy4xcE/edit?usp=sharing>

[49] [http://learnz.org.nz/sites/learnz.org.nz/files/audio-activity\\_3.doc](http://learnz.org.nz/sites/learnz.org.nz/files/audio-activity_3.doc)

[50] [http://learnz.org.nz/sites/learnz.org.nz/files/audio-activity\\_1.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/audio-activity_1.pdf)

[51] <https://docs.google.com/document/d/1tfBwuvECwUrV6KW1WZcCYAgTYulkEbEg6dJ6UaUrYRM/edit?usp=sharing>

[52] [http://learnz.org.nz/sites/learnz.org.nz/files/post-field-trip-questions\\_0.docx](http://learnz.org.nz/sites/learnz.org.nz/files/post-field-trip-questions_0.docx)

[53] [http://learnz.org.nz/sites/learnz.org.nz/files/post-field-trip-questions\\_0.pdf](http://learnz.org.nz/sites/learnz.org.nz/files/post-field-trip-questions_0.pdf)

[54] <https://docs.google.com/document/d/1ElthjRxLT9E1W3G4PgZJHnDjs3RQuZQ0tM8Afxm2Ow0/edit?usp=sharing>