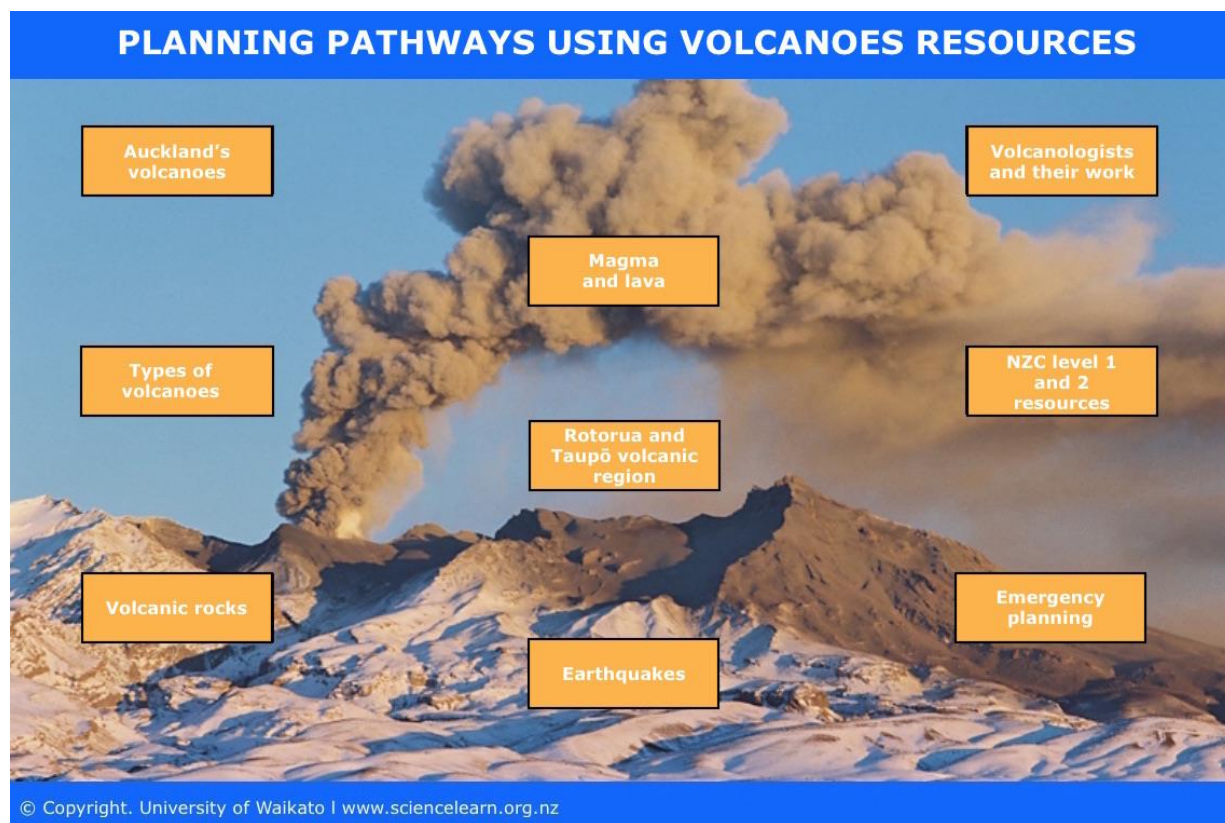


## Planning pathways using volcanoes resources

This interactive groups Hub resources into key science and teaching concepts. The article [Volcanoes resources – planning pathways](#) provides pedagogical advice and links to the New Zealand Curriculum.



This [interactive diagram](#) provides a selection of pathways that allow for differing approaches and starting points using our [volcanoes resources](#). The aim is to assist educators with their planning of lessons and units of work by providing options that cover multiple science concepts. If using the [online version](#), click on the labels for links to supporting articles, media, data and student materials.

Background image of Mt Ruapehu erupting, courtesy of Geonet, licensed under [Creative Commons 3.0](#).

### Transcript index

- [Auckland's volcanoes](#)
- [Magma and lava](#)
- [Volcanic rocks](#)
- [Types of volcanoes](#)
- [Rotorua and Taupō volcanic region](#)
- [Emergency planning](#)
- [Volcanologists and their work](#)
- [Earthquakes](#)
- [NZC level 1 and 2 resources](#)

## Transcript

### Auckland's volcanoes

#### Related articles

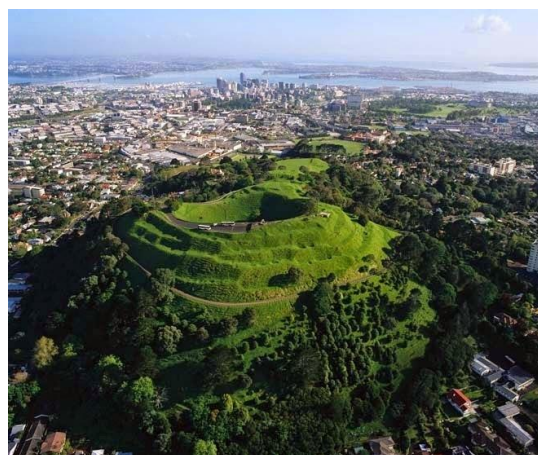
- [Determining Auckland's volcanic risk](#)
- [Auckland's volcanoes](#)
- [Exercise Ruauumoko](#)
- [Auckland's forgotten volcano](#)
- [Volcanoes – timeline](#)

#### Related media

- [Volcanoes in Auckland – video](#)
- [St Kentigern's pyroclastic flow – video](#)
- [DEVORA – video](#)
- [Future explosions in Auckland – video](#)

#### Related activities

- [Watching Rangitoto erupt](#)



Geonet, GNS Science

### Magma and lava

#### Related articles

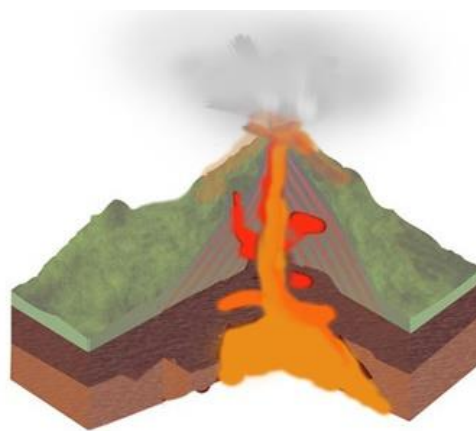
- [Magma on the move](#)
- [Exploring magma formation](#)
- [Plate tectonics, volcanoes and earthquakes](#)

#### Related media

- [Measuring magma – video](#)

#### Related activities

- [Making lava fudge](#)
- [Growing crystals](#)



Public domain

## Volcanic rocks

### Related articles

- [Types of volcanic rock](#)
- [Reading rock core samples](#)
- [Volcanology methods](#)

### Related media

- [Differences in rocks](#) – video
- [Explaining a rock core](#) – video

### Related activities

- [Lost – a hot rock](#)
- [Identifying volcanic rocks](#)
- [Making a core sample](#)



*Peter MacMurchy*

## Types of volcanoes

### Related articles

- [Types of volcanoes](#)
- [Double trouble – Rotorua and Ōhākuri](#)
- [New Zealand volcanoes](#)
- [Exploding Taupō](#)

### Related media

- [Volcano map of New Zealand](#) – interactive
- [Rotorua caldera formation](#) – video



*Kubais, licensed through 123RF.com*

### Related activities

- [Volcano hunt](#)
- [Making a model cinder cone](#)
- [Calderas in the sandpit](#)



## Rotorua and Taupō volcanic region

### Related articles

- [Double trouble – Rotorua and Ōhakuri](#)
- [Exploding Taupō](#)
- [Searching for the Pink and White Terraces](#)
- [Volcanoes – timeline](#)

### Related media

- [Rotorua caldera formation – video](#)

### Related activities

- [Volcano hunt](#)
- [Calderas in the sandpit](#)



Geonet, GNS Science

## Emergency planning

### Related articles

- [Determining Auckland's volcanic risk](#)
- [Exercise Ruaumoko](#)

### Related media

- [DEVORA – video](#)
- [Future explosions in Auckland – video](#)

### Related activities

- [Home disaster kit](#)
- [Who's on your team?](#)



University of Waikato

## Volcanologists and their work

### Related articles

- [Volcanology methods](#)
- [Dr Darren Gravley](#)
- [Dr Jan Lindsay](#)
- [Dr Phil Shane](#)
- [Professor Richard Price](#)

### Related media

- [Geology in the field – video](#)
- [Measuring magma – video](#)
- [Onepoto Basin – video](#)



Dr Darren Gravley

## Related activities

- [Making a core sample](#)

## NZC level 1 and 2 resources

These resources offer an introduction to the science behind volcanoes.

## Related articles

- [Shaky scientists and engineers](#)
- [Earthquakes and volcanoes](#)
- [Under the Earth's surface](#)
- [New Zealand volcanoes](#)



© Copyright 2014. University of Waikato. All Rights Reserved.

University of Waikato

## Related media

- [Tectonic plates, volcanoes and earthquakes](#) – video

## Related activities

- [Calderas in the sandpit](#)

## Earthquakes

The interactive [Planning pathways using earthquake resources](#) groups Hub earthquake resources into key science concepts and topics.



University of Waikato