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**Junior Primary**

# **The Volcano Theme Book**

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# Contents

	<b>Page</b>
About This Book	2
Co-relation between activities, summarising statements and strands	4
Useful Web Sites	5
Glossary	6
<b>Teachers' Notes:</b> Demonstrating Volcanic Processes 1, 2 and 3	7 - 9
<b>Teachers' Notes:</b> About ... Volcanoes, Earthquakes and Tsunamis	10 - 11
<b>Student Activities:</b> Make a Model of the Earth	12
Cloze Activity - Volcanoes	13
Make a Model Volcano	14
Label a Volcano	15
Maths - Addition and Subtraction	16
<b>Teachers' Notes:</b> Hot Spot Volcanoes: Surtsey and the Hawaiian Islands	17
<b>Student Activities:</b> Sequencing Pictures: Surtsey - An Island Grows	18
<b>Teachers' Notes:</b> Different Types of Volcanoes	19
<b>Student Activities:</b> Labelling Different Types of Volcanoes	20
Alphabetical Order	21
Acrostic Poems	22
<b>Teachers' Notes:</b> Different Types of Eruptions	23
<b>Student Activities:</b> Labelling Different Types of Eruptions	24
<b>Teachers' Notes:</b> Volcanic Rocks / Types of Lava	25
<b>Student Activities:</b> Lava Jumble	26
Volcano Crossword	27
<b>Teachers' Notes:</b> Volcanic Hazards	28
<b>Student Activities:</b> Word and Picture Match	29
<b>Teachers' Notes:</b> Hot Springs and Geysers	30
<b>Student Activities:</b> Geysers and Lava Flows (modified version of Snakes and Ladders)	31
<b>Teachers' Notes:</b> Benefits of Volcanoes	32
<b>Student Activities:</b> Benefits of Volcanoes: Cloze Activity	33
<b>Teachers' Notes:</b> Historic Eruptions	34
<b>Student Activities:</b> Ordering Eruptions	35
<b>Teachers' Notes:</b> Myths and Legends	36
<b>Student Activities:</b> Myths and Legends: Word Sleuth	37
<b>Teachers' Notes:</b> About Australia	38
<b>Student Activities:</b> About Australia: True or False	39
<b>Teachers' Notes:</b> Earthquakes: How They Occur	40
<b>Student Activities:</b> Earthquake Word Match	41
<b>Teachers' Notes:</b> Monitoring Earthquakes	42 - 43
<b>Student Activities:</b> Design a Survival Kit	44
Design an Emergency Shelter	45
Appraisal of Shelter Design	46
Earthquake Maze	47
<b>Teachers' Notes:</b> Predicting Eruptions and Earthquakes	48
<b>Student Activities:</b> Predicting Eruptions and Earthquakes	49
<b>Teachers' Notes:</b> Tsunamis	50
<b>Student Activities:</b> Tsunami Dot-to-Dot	51
Island Grid	52
Reading Comprehension - The Run Uphill	53
<b>Teachers' Notes:</b> Bingo	54
<b>Student Activities:</b> Bingo Game Board	55
Word Sleuth - Earthquakes and Tsunamis	56
Word Sorting	57
Tsunami Trivia	58

# Demonstrating Volcanic Processes 1

## Making an erupting volcano

**Time: One Term**

1. Make a volcano shape by moulding chicken wire and fastening it with masking tape onto a big piece of card. In the centre place a plastic bottle sitting on an upturned ice cream container.
2. Cover with papier mache and paint.
3. Spray with a coat of lacquer (spray can is easiest).
4. If you desire you can place a forest, rivers, villages or farms around the base of your volcano.
5. To erupt the volcano, use a funnel and pour a cup of bicarbonate of soda into the plastic bottle.

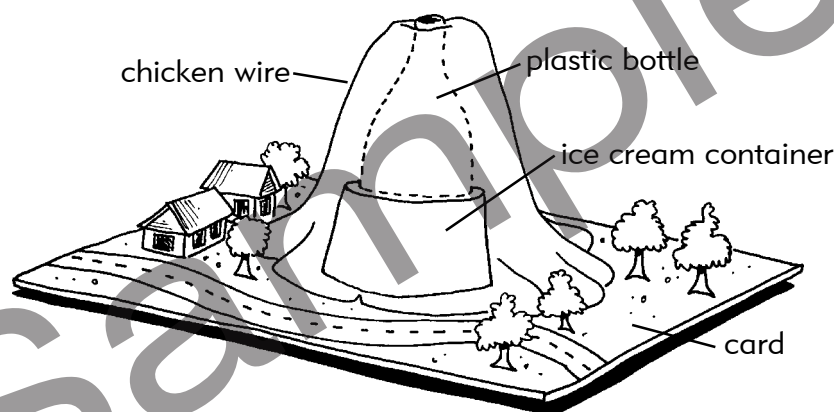
Add a cup of vinegar that has been coloured red with food dye. The eruption is very quick so make sure your class is seated around the volcano when you do this.

Note: The activity is best done outside.

### Extension Activity

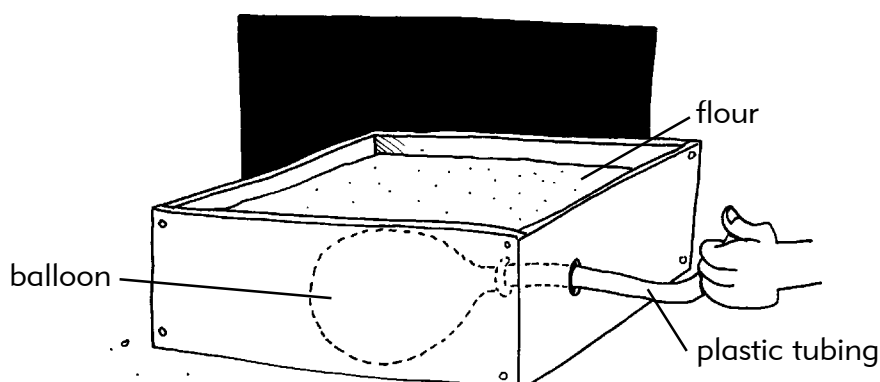
Place playdough over the areas where the lava landed, and leave to harden. This 'lava flow' may have covered a village or forest.

Erupt your volcano at a later date and once again, cover the flow areas with coloured playdough and allow to harden. This will give a layering effect, demonstrating how a volcano can increase in size due to lava flows, and how the land can be destroyed and changed.



## Demonstrating the formation of a crater

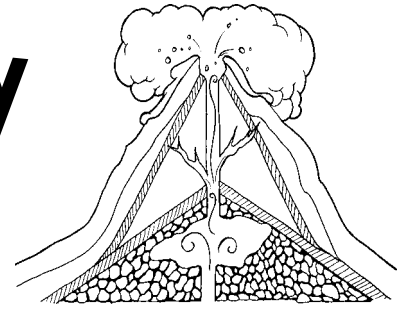
1. Make a small hole in a shoebox and pass a piece of plastic tubing about 1 cm in diameter through it.
2. Place a balloon at the end of the tubing inside the box. It is easier to blow the balloon up partially (to about 12 cm) before placing in the box. Keep your thumb over the other end of the tubing so that the balloon doesn't deflate.
3. Cover the balloon with flour and flatten to make a smooth surface.
4. As you remove your thumb, the balloon will deflate, causing a crater to form in the flour - just as a real one forms when magma leaves a chamber.



Name: \_\_\_\_\_

# Cloze Activity

## Volcanoes



★ Complete this text using the correct words:

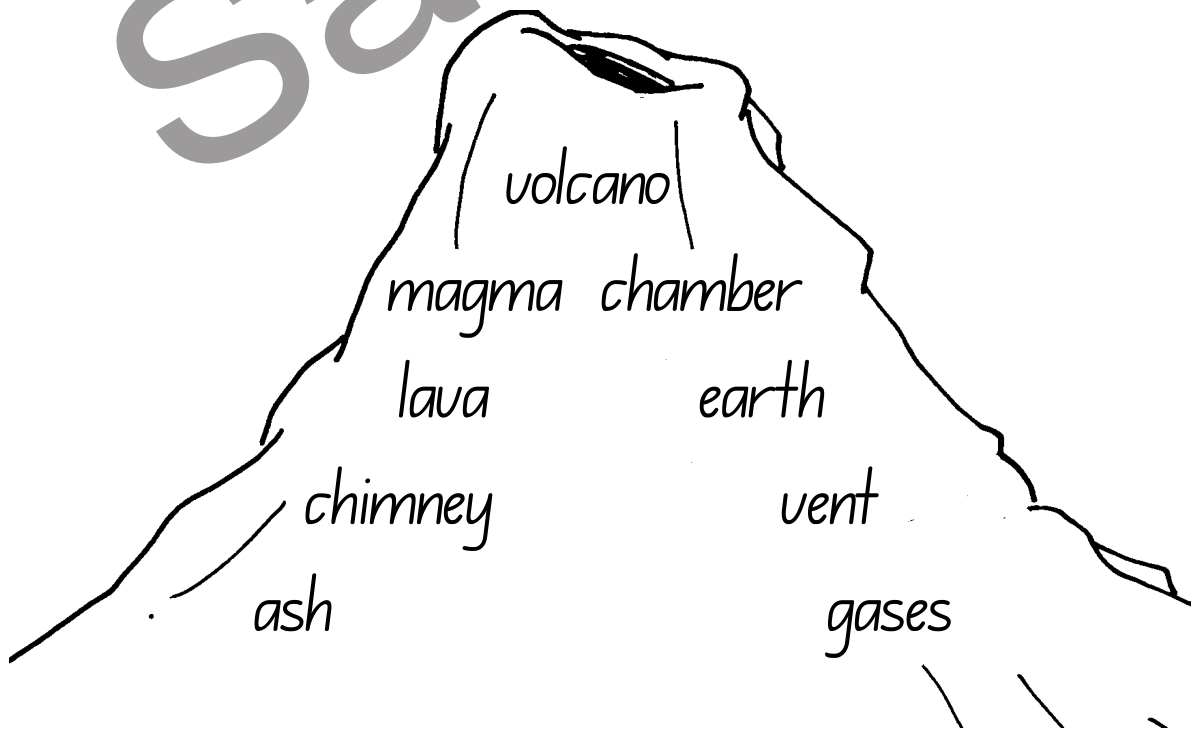
Volcanoes begin deep inside the \_\_\_\_\_.

When a \_\_\_\_\_ erupts it is getting rid of \_\_\_\_\_.

The lava is stored in a \_\_\_\_\_.

\_\_\_\_\_.

The magma rises up through the \_\_\_\_\_ and bursts out through the \_\_\_\_\_. As well as lava there is often \_\_\_\_\_ and \_\_\_\_\_ that escape.



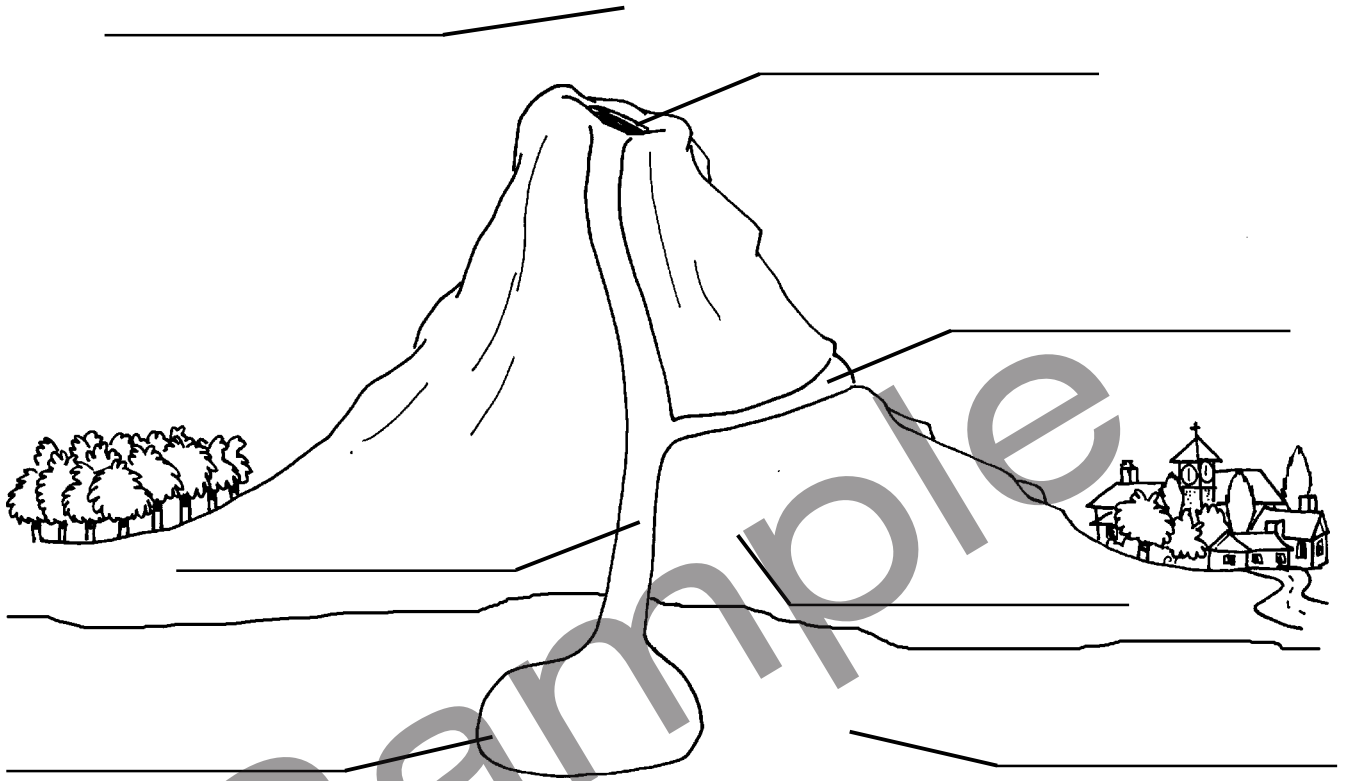
### Learning Objective

The students will demonstrate knowledge of volcanic terms by reading a simple text and inserting the terms in the correct places.

Name: \_\_\_\_\_

# Labelling

## Cross Section of a Volcano



★ Label each part of the picture correctly, using the terms below:

crater  
magma chamber  
mantle  
crust  
chimney  
lava  
vent

### Learning Objective

The students will correctly label a cross section of a volcano, demonstrating an understanding of the correct terms.

Name: \_\_\_\_\_

# Alphabetical Order

★ Place the following list of words into alphabetical order:

*lava, volcano, magma, earthquake, geyser, tsunami, mantle,  
core, crust, eruption, crater, ash.*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_



**Learning Objective**

The students will place a list of 12 words into alphabetical order.