

ERUPTION  
IMMINENT

# 5 MINUTE Volcano

## Student Workbook

Te Raranga Whāriki Papa Moana

BENEATH  
the WAVES

**Question 1)**

Discuss with each other why you think our volcanoes are important to New Zealand.

*Think about things such as:*

- *Cultural importance*
- *Farming*
- *Visitors from other countries*

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**Question 2)**

How does the Kaumātua ability 'INSPIRE' work in 5-Minute Volcano? What do you think it shows in a real eruption situation?

*Think about things such as:*

- *What the ability does*
- *What is the importance of the character being in the game?*
- *Why is this character important to local communities?*

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**Question 3)**

You may have seen some Taniwha in the game, which represent things like lava, earthquakes and landslides. In a real-life situation, these can cause a lot of damage. Match the following taniwha to the action you should take

*Think about things such as:*

- *Ash can be harmful to our lungs*
- *Lahars flow down volcanoes like a river*
- *Tsunamis are big waves from the ocean*



ASH



Move away from the coast.



LAHAR



Wear a mask.



TSUNAMI



Get out of valleys

**Question 4)**

Link the different parts of the game to what they represent in real-life

*Think about things such as:*

- *Taniwha are things like lava and earthquakes*
- *The cards are what your character knows*
- *Obstacles cause problems with evacuations*



Skills and knowledge.



Things caused by hazards and poor planning



Hazards.

**Question 5)**

Pick and draw a volcano that is significant to you. Add some taniwha and think about why the volcano has these taniwha.

*Think about things such as:*

- *Is your volcano in New Zealand? Somewhere else? One you made up?*
- *Some taniwha are only found in some places. For example, a tsunami taniwha needs a lot of water, like the ocean or a big lake*
- *Ideas for taniwha can be found at the bottom of this page.*

*Once you are done, show your volcano to your group or class, and maybe your volcano could be the new boss in your copy of 5-Minute Volcano!*

Name your volcano:	
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**Taniwha:**



**Question 6)**

Were there characters in the game who were more important than others, or did everyone play a part? Who else could play a part in helping prepare for eruptions? How might you help your community?

*Think about things such as:*

- *What characters did you use?*
- *Was everyone able to play their part in the game?*
- *Think about people you know. How could they help prepare for an eruption or other hazards?*
- *What could you do to help the people you know?*

What characters did you use in your game? Was everyone helping?

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Who else could help in real life?

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What could you do to help?

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### Question 7)

In the game, there are different symbols on your cards. These symbols are **research**, **teach**, **environment**, **evacuate**, and **support**. Why are these important to know and how do they interact with each other?

*Think about things such as:*

- *Why do we research and teach things? Why is it important to support each other? Why do we evacuate? Why do we need to know our environment?*
- *For interactions, think of things like why it could be important to support people during an evacuation.*

Why is it important?

1) **Research:**

2) **Teach:**

3) **Environment:**

4) **Evacuate:**

5) **Support:**

How do they interact?

*Pick 3 pairs and how they interact. For example: Support and Evacuate*

1)

2)

3)

**Question 8)**

Draw an outline of your school and create an evacuation plan for your school.

*Think about things such as:*

- *What is your evacuation route?*
- *Who needs help first?*
- *Where is your starting point?*

Your school's name:	

**Question 9)**

Pick a character you like from the game. What skills would you need to do that job one day?

*Think about things such as:*

- *Do you need to be smart? Good with Computers? Good at teamwork?*
- *Do you need to come from a certain place to do that job?*
- *Why do you think that job would be cool?*

The character: \_\_\_\_\_

What skills that you have learnt could help you do a job like this one day?

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- Circle what you think are important skills for a Volcanologist and emergency manager to have in a volcanic emergency.

*Think about things such as:*

- *Who can be a scientist?*
- *Are people skills as important as brain skills?*

Being a nerd

Knowing how to use a Computer

Knowing how to use a phone

Being sporty

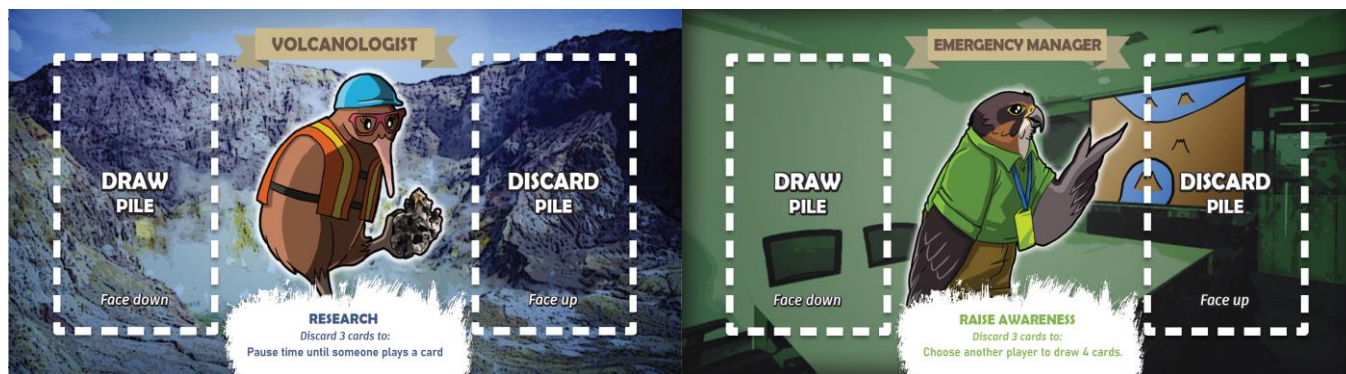
Working with others

Having a lab coat

Knowledge about volcanoes

Knowing everything about maths

Communication with others



### Question 10)

In a sentence or two, what have you learnt by playing this game?

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