

MATARIKI AT TE MANAWA WAIPUNARANGI



Kia Ora! Ko Waipungarangi toku ingoa. I'm Waipunarangi. I collect and care for all the wai (water) in te rangi (the sky). My name means 'water that pools in the sky'.

KIA MAIA TE ĀWHI TŪ MAIANGITIA HE UA

Brave the storm and dance in the rain.

CONNECTING WITH WAIPUNGARANGI

Waipunarangi is the whētu (star) and the 'water that pools in the sky'. There are lots of ways you can connect with Waipunarangi for Matariki and celebrate the ua (rain) and other water that comes from the sky.

Make a rain gauge from a bottle or jar and measure the rainfall overnight.

Turn yourself into a rain cloud! Draw a chalk masterpiece outside and use a bottle or dropper to create your own raindrops.

Make your own arty umbrellas with paper and sticks.

Listen to waiata about the weather. Have an indoor dance party!

MATCHING TERMS

Can you match the Te Reo Māori kupu (terms) connected to weather?

rā paki	foggy
ua	windy
uira	rainy
uenuku	sunny
hukātara	lightning
kapua	hail
hau	snowy
huka	cloudy
kohu	rainbow

**KEI TE PĒHEA TE
ĀHUA O TE RANGI?**

What is the weather like today?

HE _____ TĒNEI RĀ. *He rā paki tēnei rā. It is sunny today.*



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CREATE YOUR OWN RAIN GAUGE

You will need: A bottle or jar (clear), a marker and a ruler.

Step 1: Make sure your bottle or jar is clean.

Step 2: Line your ruler up along the side of your jar.

Step 3: Use your marker to measure out the length of your container. Draw a line for each half cm (0.5, 1, 1.5, 2) until you reach the top.

Step 4: Pop your rain gauge outside to start collecting rain. Be sure to put it somewhere where it won't fall over in the wind.



RAINCLOUD IN A JAR

You will need: a clear jar or glass, shaving foam and food colouring, eye dropper and a bowl.

Step 1: Fill your glass (approximately 3 quarters full) of water.

Step 2: Fill the rest of your glass up with shaving cream (this is your fluffy white cloud).

Step 3: In your bowl, put in some water and food colouring to make your rain.

Step 4: Slowly use the eye dropper to fill your raincloud with "rain" just a drop at a time.

What will happen? As your cloud (shaving cream) fills up with water, it will get too heavy to carry it... where does the rain go?



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THE WEATHER - WAIATA

Can you create your own waiata inspired by the weather? Use the example below to create your own!

To the tune of Head, Shoulders, Knees and Toes. (with some creative customisation).

Head, shoulders, knees and toes (knees and toes).

What is the kupu for the weather? (for the weather)

Head, shoulders, knees and toes?

Māku is wet, hukarere is snow.

Eyes, and ears,

Ua is rain,

and mouth, and nose

and paki is fine

Head shoulders, knees and toes (knees and toes).

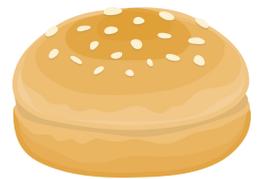
There are lots of new kupu to find (to find).



DID YOU KNOW?



Rain drops are actually shaped more like burger buns? It changes into a drop because of the way air moves around the drop, giving it its drop formation.



Inside a cloud you will often find ice crystals and super duper cold water drops.

The wettest place in the world is a place in India called Mawsynram. An average of 11,971mm of rain falls on the town every year! That's a lot more than the Manawatū, which has an average rainfall of between 700 and 1000mm per year.



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MAKE YOUR OWN UMBRELLA

Use the template below to design your own umbrella.



WAIPUNARANGI AT TE MANAWA

Play the raincloud game at Te Manawa to learn more about the water cycle.

