



Kaupapa
Mīharo

Wero
Wai

Ngohe 3.2: Kia pai te wai

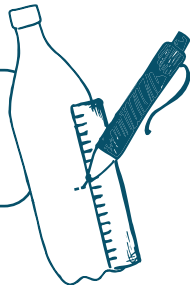
Hangaia tētahi pūnaha whakapai wai i tō whatunga wai kia huri ai te wai paru hei wai pai.

I te whatunga wai o Aotearoa, ka rere ngā wai kua kohia mā tētahi pūnaha whakapai wai e tango atu ana i ngā parakino me ngā para. Mā tēnei e tiakina ai te mauri o te wai i mua i tōna rerenga ki wāhi kē.

Whakaritea tō pūnaha whakapai wai

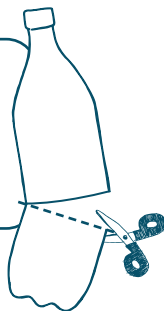
Hei mahi 1

Inea kia 10cm te matara i te take o tō pātara ki tētahi rūri. Tohua te wāhi rā ki tētahi pene.



Hei mahi 2

Atu i te wāhi i tohua ai, tapahia atu te take o tō pātara. Ka huri te take nei hei pūnaha whakapai wai, ā, ko te wāhanga o runga ka huri hei kurawai. Whakaingoatia ngā wāhanga e rua kia kore ai koe e wareware.



Hei mahi 3

Mahia ētahi puare nui i te take o te pātara.



Hei mahi 4

Huripokina te wāhanga o runga o tō pātara, ā, hoatu te take ki roto. Me mau tonu te taupoki!



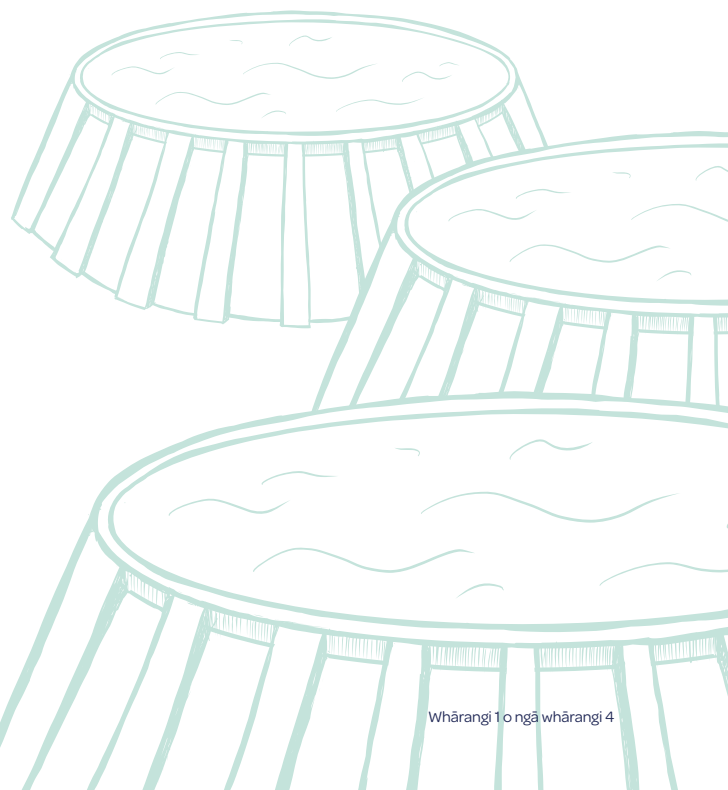
Hei mahi 5

Whakatūria tō pūnaha whakapai wai ki tētahi tūranga, ā, me whakapūmau rānei ki tētahi pouaka kia tū noa mai.



Me whai ēnei:

- He pātara kōataata, 1.5L te rahi (tangohia te tapanga)
- He pōro kātene
- He waro whakahohe (kua horoia)
- He pepa tātari
- He pēkena houra
- He koko ine
- He kutikuti
- He rūri
- He pene whītau
- He rauemi hei whakapūmau i te noho a tō pūnaha whakapai wai (he pouaka, he tūranga rānei)



Hangaia tō tātari

Tāpiria ēnei papanga ki tō pūnaha whakapai wai, ā, kia pēnei te raupapa.

To be accurate, use your measuring scoops.

Papanga 3: Kia 2.5 ngā koko o te waro whakahohe kua horoia

Papanga 1: Kia 1 te pepa tātari

Papanga 4: Kia 6 o ngā pōro kātene

Papanga 2: Kia 1 te koko o te pēkena houra

He aha te tikanga o ia papanga ki ō whakaaro?

Tuhia ō whakaaro ki te pouaka.

Whakamātauria ngā wai

Tirohia mēnā ka oti i tō pūnaha whakapai wai te wai paru te huri hei wai parakino kore!

Me whai ēnei:

- Kia 500ml o te wai
- He ipu ine
- He koko ine
- He wai rēmana
- He para māori (he paru, he kiri rākau, he pātītī, he rau rākau)
- He ine pH
- He rama (ki te hiahiaia)

Hei mahi 1

Inea tētahi 500ml o te wai. Tāpiria ētahi para māori me tētahi koko o te wai rēmana.

Hei mahi 2

Whakamātauria te wai ki tētahi ine pH kia kite ai koe mēnā he waikawa, he waiwai rānei. Kātahi ka whakamātau koe i te puehutanga wai mā te mātai noa iho ki tētahi rama.

Te pH i te tīmatanga

Te puehutanga wai i te tīmatanga

(te purata/
te puehu rānei)

Hei mahi 3

Waiho te kurawai ki raro iho i tō pūnaha whakapai wai, ā, me mau tonu te taupoki. Riringihia te wai paru ki roto i te pūnaha whakapai wai.

Hei mahi 4

Waiho kia 1 ki te 2 meneti kia ranu haere ai ngā waikawa me ngā waiwai ki roto i te wai. Kātahi ka ine i te pH me te puehutanga wai. Tuhia ō kitenga i te ine whakamātau.

Hei mahi 5

Arotakengia ngā kitenga kia mōhio ai koe mēnā ka pai ake rānei tā tō pūnaha whakapai wai whakangū i te pH me te whakaiti i te puehutanga wai.

Hei mahi 6

Rangahaua ngā tikanga hei whakapai ake i tō pūnaha whakapai wai. Tuhia ō whakaaro ki te pouaka.

Hei mahi 7

Nā reira, whakapaitia ake, ā, whakamātauria anō ki ētahi wai paru hou.

Whakahokia ngā wai i whakamahia i te pūnaha whakapai wai ki a Ranginui mā te riringi iho i ngā wai ki ngā pātītī.

Hopu-whakamātau

Tau whakamātau	Raraunga inerahi	Raraunga inekounga	Arotakenga
	Te pH (1-14)	Puehutanga wai (te purata/ te puehu rānei)	He aha hei whakapai ake māu? Me pēhea te whakapai ake?
Tauira	6	E puehu ana	He iti iho te waikawa o te pH. Kāore i te pērā rawa te kaha o te puehutanga wai. Tāpiria tētahi papanga pōro kātene anō.
Whakamātau 1			
Whakamātau 2			
Whakamātau 3			
Whakamātau 4			

Ko ngā raraunga inerahi, ko ngā mōhiotanga ka kitea mā te whakamahi i ō tairongo Ko te raraunga inekounga, ko ngā mōhiotanga ka whakakitea ki ngā tau, me ngā tatauranga.

Arotakenga

He aha tāu i ako ai i ō whakamātau?

Ko ēhea o ngā whakapaitanga i pai? Ko ēhea kāore i pai?

He pēhea te āhua o tō pūnaha whakapai wai i te mutunga iho?