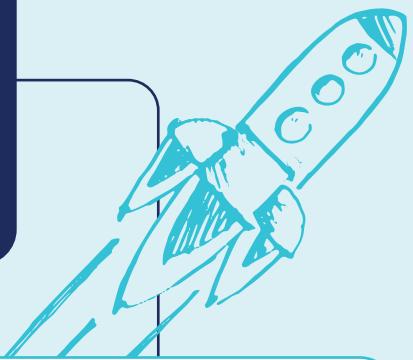




Kaupapa  
Miharo

Wero  
Tākirimangi

## Ngā Tohutohu mō te Whāinga 4: Ngā rerenga whakamātautau tuatahi



E whakatata mai ana te whakarewanga! Kia whakamātautau koe i te tikanga pai katoa hei whakarite i te tauira o tō tākirimangi ka tukuna kia rere ki runga ki te rangi.

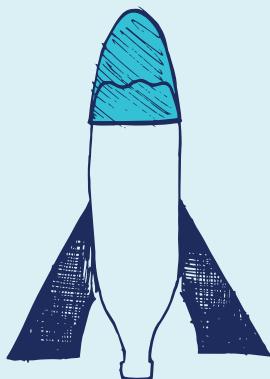
### Kua eke ki te wā e whakamātauhia ai ētahi taurangi!

Ko te taurangi e whakamātauria ana ko te pae wai i tō ipu me te āhua o te pānga o ngā pae wai ki te rerenga o tō tākirimangi.

**Kia mahara koe:** Ko ngā taurangi, ko ngā mea ka panoni haere, ka taea rānei te panoni.

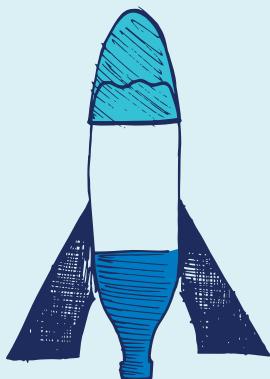
### Te nui o te wai

Karekau he wai



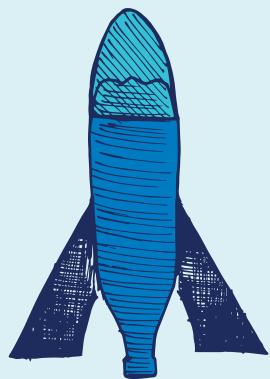
Kāore i te kaha  
rawa te torohaki

E tika katoa ana



Kua tika katoa

He nui rawa te wai



He taumaha rawa

### Inenga ā-whāinga

Me ine koe i te pae wai i mua i ia whakarewanga kia tika ai ngā putanga i ngā rerenga whakamātau.

He aha te waeine pai katoa me whakamahi? (tohua tētahi)

psi / g / ml

He aha te taputapu ka whakamahia hei ine i te pae wai?

**Hei pātai: Ka pēhea te pānga o te  
pae wai ki te rerenga o te tākirimangi?**

Tā mātou whakapae:

E whakaaro nei mātou ka pai ake te rere a te tākirimangi ina pēnei te pae wai:

Rahi

waetahi

Ko te take e pēnei ana ō mātou whakaaro:

## Kua rite katoa!



Mō tēnei rauna rerenga, ka whakarewhia tētahi pātara māori. Ia whakarewanga, panonitia te nui o te wai, kātahi, āta mātakitakina te rerekētanga o te rere o te tākirirangi.

### Kua rite koe ki te whakarewa i te tākirirangi?

#### Me whai koe:

- I tētahi tākirirangi – he ipu waireka 1.5 rita te nui
- I tētahi pūwhakarewa
- I tētahi mapu paihikara – he pai ake te mapu ā-waewae
- I ētahi kahupeka muramura me ētahi mōwhiti haumaru
- I tētahi pākete wai me ētahi kapu ine
- I tētahi waea, i tētahi papahiko rānei hei whakaahua i te rerenga whakamātauau

#### Ngā tohu ine

psi	Tōpana ā-pāuna i ia īnīhi pūrua
rm	ritamano

#### Tuhia iho ngā raraunga

Rerenga whakamātauau	Te nui o te wai (rm)	Te pēhenga hau (psi)	Ngā kitenga	Pae whakarewanga (1-5)
Hei tauira	10rm	60 psi	He iti rawa te kaha, kāore te tākirirangi i rere.	1
1		60 psi		
2		60 psi		
3		60 psi		
4		60 psi		
5		60 psi		

#### Tātaritanga:

I pai ake te rere o ā mātou tākirirangi i ngā wā i pēnei te nui o te wai:

#### Whakatairitenga ā-whakapae

E rite ana tēnei putanga ki te whakapae a tō rōpū? He aha ai/he aha i kore ai?