



Te Moutere

Te kaupapa: Te Kāpehu, Te Koki, me te Mahere Āwhata

Te whenu: Te Ine me te Āhuahanga: Taumata 3–4

Hei whakamārama

He tauira ngohe tēnei, hei aromatawai i te mōhio o te ākonga ki te kāpehu, te koki, me te mahere āwhata. Mā te āta mātakitaki me te āta whakarongo a te pouako ki te mahi a te ākonga, e mōhiotia ai te taumata o te ākonga, ngā wāhi e pakari ana, me ngā wāhi hei whakapakari ake.

I ētahi wā, mā te whakawhititwhiti kōrero, mā te paku whakamārama rānei a te pouako, e kite ai te ākonga i te rautaki, i te huarahi rānei hei whakaoti i te ngohe.

E tīka ana kia taunga te ākonga ki tēnei mea te whakaoti rapanga, te wetewete i ngā kōrero me ngā tohutohu, te āta whakaaro i te rautaki e hāngai ana, me te tūhonohono anō i ngā maramara mātauranga kei roto i tōna hinengaro. Koirā te īhua o tēnei ngohe aromatawai.

Me tuku kia mahia tēnei ngohe aromatawai i muri i ngā akoranga e hāngai ana ki te kāpehu, te koki, me te mahere āwhata, kaua e tuku mātao noa iho.

Kei ēnei pukapuka ētahi kōrero hei īwhina i a koe:

- Te Pukapuka Tuarua o Te Poutama Tau **Te Uui Aromatawai**. Ko ngā kōrero whānui e pā ana ki te aromatawai pāngarau.
- **Whanaketanga Pāngarau: He Aratohu mā te Pouako**. Ko ngā kōrero me ētahi tauira ngohe e hāngai ana ki ngā Whanaketanga Pāngarau.
- **Hei Tautoko i te Marautanga Pāngarau: Te Ine**. Ko ngā huatau matua mō tēnei mea te ine.
- **Hei Tautoko i te Marautanga Pāngarau: Te Hanga**. Ko ngā huatau matua mō tēnei mea te hanga.
- **Hei Tautoko i te Marautanga Pāngarau: Te Wāhi, te Ahunga me te Panoni**. Ko ngā huatau matua mō ēnei mea te wāhi, te ahunga me te panoni.

Ngā tohutohu

Whakaaturia te kāri, īkene pea me pānui tahi me te ākonga, **kia mārama ai ngā kōrero**.

Hoatu he wā hei whakaoti mā te ākonga i ngā pātai.

Tonoa te ākonga kia whakamārama i āna mahi. Whakaahuangia ‘Te Whārangi Aromatawai mā te Pouako’, hei tuhi māu i āna whakamārama, me ō whakaaro, ō whakataunga aromatawai.

Āta tirohia ngā kōrero kei te whārangi ‘Hei Ārahi i te Aromatawai’ hei īwhina i a koe ki te whakatau i te taumata e hāngai ana ki ngā otinga a te ākonga. Kei tēnei whārangi te ngako o te pāngarau e hāngai ana ki tēnei ngohe, me ngā tauira whakamārama a ngā ākonga.

Me mātua mōhio te ākonga

- ki ngā ahunga matua e whā o te kāpehu, me ngā ahunga ki waenganui pū o ēnei
- ki ngā inenga putu hei whakaatu ahunga
- ki te whiriwhiri i ngā tawhiti i tētahi mahere āwhata
- ki te pānui mahere me ūna tohu
- ki te whakamahi i te pūnaha taunga tukutuku hei tautohu pūwāhi

Ngā kupu pāngarau e hāngai ana

ahunga, koki, putu, raki, rāwhiti, rāwhiti-mā-raki, rāwhiti-mā-tonga, tonga, uru, uru-mā-raki, uru-mā-tonga, takirua raupapa, tawhiti, torotika, whakatau tata, whakateuru

Ngā kupu e hāngai ana ki te horopaki

ākau, keo, maunga, moutere, pari, repo, tāhuna

Ngā rauemi

- te kāri ngohe
- he ine-koki
- he rūri

Ētahi ngohe whakaako e hāngai ana

Hei Tautoko i te Marautanga Pāngarau: Te Ine

- Waeine Koki (wh.71)

Hei Tautoko i te Marautanga Pāngarau: Te Hanga

- Hoahoa Āwhata (wh.89)

Hei Tautoko i te Marautanga Pāngarau: Te Wāhi, te Ahunga me te Panoni

He Ngohe Whakaako:

- Mahere Whenua (wh.76)
- Te Kāpehu me te Koki (wh.89)
- Te Ahunga me te Tawhiti (wh.91)

He Tūhuratanga:

- Mā Tai (wh.155)
- Taku Kāinga (wh.156)

He tauira pātai hei kukume whakaaro

- Whakamāramahia ngā mahi i ofi i a koe i tō hinengaro. He aha tō mahi tuatahi? He aha tō mahi tuarua?
- He aha koe i whiriwhiri ai i tēnā i te tuatahi?
- E mōhio ana koe ki tētahi atu rautaki e hāngai ana ki tēnā pātai?
- Whakamāramahia mai te tikanga o te āwhata.
- Āta whakaarohia te takoto tīka o te ine-koki. Ki hea te pū o te ine-koki takoto ai?

Hei Ārahi i te Aromatawai

Te Moutere: Taumata 3-4

Te pātai	Whānakeketanga 3e	Whānakeketanga 4a	Whānakeketanga 4e
1. E tohu ana te rārangī kākāriki i te mahere i te aha?	E mōhio ana ki te pānui mahere āwhata.		
2. Mēnā e tū ana te tangata ki te keo o te maunga, e titiro whakateturu ana, ka kite ia i te aha?	E mōhio ana ki ngā ahunga matua e waru o te kōpehu.		
3. Mēnā e tū ana te tangata ki te keo o te maunga, pēhea nei te ahu o tana titiro, kia kite atu ia i te tāhuna?	E mōhio ana ki ngā ahunga matua e waru o te kōpehu. E mōhio ana ki te rāhinga āwhiwhi o tērāhi koki.		
4. Whakatau tatangia te chunga mai i te maunga ki te repo, hei īnenga putu.	E mōhio ana, he paku nui ake i te ahunga whakateuru-mātonga. E mōhio ana ki te rāhinga āwhiwhi o tērāhi koki.		
5. Whakamahia te ine-koki hei ine i te ītēdhī i te repo ki te tokā.	E mōhio ana ki te whakamahi i te ine-koki. E mōhio ana ki te ine i te koki mai i te raki.	Ka tika te whakamahi i te ine-koki hei ine i te ītēdhī koki he rahi ake i te 180°.	Ka whakamahia te īwāhata me te rūri hei tāutohu, hei whakaatu tawhiti ki te mahere.
6. Whakatau tatangia te tawhiti o te haere torotika, mai i te tāhuna ki te īkau.			Ka whakamahia te īwāhata hei whirinwhiri i te 2km i te mahere. Hei tauira: $2 \div 0.25 = \square$ $0.25 \times \square = 2$
7. Tūhia tērāhi ara hikoi ki waenganui i ītēdhī o ngā wāhi e whakacaturia ana ki te moutere, kia pātata ki te 2km te tawhiti o te ara.			Ka whakamahia te rūri ki te tuhi ara ki te mahere, kei te takiwā o te 8cm te tapeke o ngā wāhanga katoa o te ara.
8. Ko te (7.5) te takirua raupapa hei tohu i te wāhi e tū ana te maunga. He aha te takirua raupapa hei tohu i te wāhi e takoto ana te repo? • ko te tau tuatahi hei tohu i te wāhi huapae • ko te tau tuarua hei tohu i te wāhi pouū		E mōhio ana ki te tikanga o te takirua raupapa hei whakaatu pūwāhi ki te tukutuku. Arā:	

Te Whārangi Aromatawai mā te Pouako

Te Moutere: Taumata 3-4

Te pātai	Ngā aromatawai a te pouako
1. E tohu ana te rārangī kākāriki i te mahere i te aha?	
2. Mēnā e tū ana te tangata ki te keo o te maunga, e titiro whakateuru ana, ka kite ia i te aha?	
3. Mēnā e tū ana te tangata ki te keo o te maunga, pēhea nei te ahu o tana titiro, kia kite atu ia i te tāhuna?	
4. Whakatau tatangia te ahunga mai i te maunga ki te repo, hei inenga putu.	
5. Whakamahia te ine-koki hei ine i te ahunga mai i te repo ki te toka.	
6. Whakatau tatangia te tawhiti o te haere torotika, mai i te tāhuna ki te ākau.	
7. Tuhia tētahi ara hīkoi ki waenganui i ētahi o ngā wāhi e whakaaturia ana ki te moutere, kia pātata ki te 2km te tawhiti o te ara.	
8. Ko te (7,5) te takirua raupapa hei tohu i te wāhi e tū ana te maunga. He aha te takirua raupapa hei tohu i te wāhi e takoto ana te repo?	