

Te Whārangi Aromatawai mā te Pouako

Te Moutere

Te pātai	Ngā aromatawai a te pouako
1. E tohu ana te rārangi 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?	

Te Moutere

Tūārere	1			2			3	
Tau	1	2	3	4	5	6	7	8

Tohu Ako: Te Ine, Te Āhuahanga
Kaupapa: Te kāpehu, te koki, me te mahere āwhata

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 mōhiohia ai te taumata o te ākonga, ngā wāhi e pakari ana, me ngā wāhi hei whakapakari ake.

I ētahi wā, mā te whakawhitiwhiti 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 tika 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 āhua 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.

Rauemi Tautoko:

Kei te whare whakaputu rauemi o Te Tāhuhu o te Mātauranga ēnei rauemi (Down the Back of the Chair), kei te whata rauemi tuihono hoki o Tāhūrangi.

- **Te Poutama Tau, Pukapuka Tuarua: Te Uiui Aromatawai.** Ko ngā kōrero whānui e pā ana ki te aromatawai pāngarau.
- **Hei Tautoko i te Marautanga Pāngarau: Te Ine.** Ko ngā huatau matua me ētahi ngohe whakaako e hāngai ana ki te ine.
- **Hei Tautoko i te Marautanga Pāngarau: Te Hanga.** Ko ngā huatau matua me ētahi ngohe whakaako e hāngai ana ki te āhuahanga.
- **Hei Tautoko i te Marautanga Pāngarau:** Te Wāhi, te Ahunga me te Panoni. Ko ngā huatau matua me ētahi ngohe whakaako e hāngai ana ki te mahere āwhata, te wāhi me te ahunga.

Ngā tohutohu

Whakaaturia te kāri, ākene 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. Tāruatia ‘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 āwhina i a koe ki te whakatau i te taumata e hāngai ana ki ngā mahi 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 ōna 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

Hei Tautoko i te Marautanga Pāngarau: Te Hanga

- Hoahoa Āwhata

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

He Ngohe Whakaako:

- Mahere Whenua
- Te Kāpehu me te Koki
- Te Ahunga me te Tawhiti

He Tūhuratanga:

- Mā Tai
- Taku Kāinga

He tauira pātai hei kukume whakaaro

- Whakamāramahia ngā mahi i oti 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 tika o te ine-koki. Ki hea te pū o te ine-koki takoto ai?

Hei Ārahi i te Aromatawai

Te Moutere

Te pātai	Tau 6	Tau 7	Tau 8
1. E tohu ana te rārangi 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 whakateuru ana, ka kite ia i te aha?	E mōhio ana ki ngā ahunga matua e waru o te kāpehu.		
3. Mēnā e tū ana te tangata ki te keo o te maunga, pēhea nei te dhu o tana titiro, kia kite atu ia i te tāhuna?	E mōhio ana ki ngā ahunga matua e waru o te kāpehu.		E mōhio ana ki te hononga o ngā ahunga matua o te kāpehu me ngā inenga koki. Arā, ko te 225° te ahunga whakateuru-mā-tonga, ā, he paku nui ake i tēā te ahunga mai i te maunga ki te repo.
4. Whakatau tatangia te ahunga mai i te maunga ki te repo, hei inenga putu.	E mōhio ana, he paku nui ake i te ahunga whakateuru-mā-tonga. E mōhio ana ki te rahinga āwhiwhi o tētahi koki.	Ka tika te whakamahi i te ine-koki hei ine i tētahi koki he rahi ake i te 180°.	
5. Whakamahia te ine-koki hei ine i te ahunga mai i te repo ki te toka.	E mōhio ana ki te whakamahi i te ine-koki. E mōhio ana ki te ine i te koki mai i te raki.		Ka whakamahia te āwhata me te rūri hei tautohu, hei whakaatu tawhiti ki te mahere.
6. Whakatau tatangia te tawhiti o te haere toroitika, mai i te tāhuna ki te ākau.			Ka whakamahia te āwhata hei whiriwhiri i te 2km i te mahere. Hei tauria: $2 \div 0.25 = \square$ $0.25 \times \square = 2$ 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?	E mōhio ana ki te tikanga o te takirua raupapa hei whakaatu pūwāhi ki te tukutuku. Arā: • ko te tau tuatahi hei tohu i te wāhi huapae • ko te tau tuarua hei tohu i te wāhi poutū		