

# Pāngarau Kaupae 1

## Tautuhinga Aromatawai Ā-Waho 2024

**Te Paerewa Paetae**

**Te Ingoa**

**Te Marautanga**

**Te Wāhanga Ako**

**Ngā Whiwhinga**

**Te Tukanga Aromatawai**

**Te Wā Tuku Aromatawai**

92067

Te whakamahi tikanga taurangi hei whakaoti rapanga

Te Marautanga o Aotearoa

Pāngarau

E 5

He Kete Manarua

Te 1 o Oketopa 2024 ki te 30 o Oketopa 2024

### Kete Manarua

Ko te KETE i pū mai i te pā harakeke, he whakapapa tōna.

He MANA tōna, e rua ōna āhuetanga; Kātahi: Ko ngā taonga tuku iho ka kohikohia e te ākonga. Ka rua: He whakapiki i te mana motuhake o te ākonga, ōna hapū, ōna iwi hoki.

He tāpaetanga ā-matihiko te āhua o te KETE MANARUA ka tukuna mai e te kura, ā, he kōpaki, he kiriata, he kōrero ā-waha, he rauata, he tuhinga, he pūrongo, he whakaaturanga, he rātaka, he mahi rangahau aha atu aha atu.

### Te Whakatakotoranga Aromatawai

Ka whakaritea e te ākonga tētahi Kete Manarua mō āna mahi kua kohikohia e ia, kua whakaraupapahia hoki, tae noa atu ki te rā aukati.

Mā Te Tohu Mātauranga o Aotearoa (NZQA) ngā aromatawai e whakarite mō te Kete Manarua hei tauira mā te ākonga.

Ka whakamahi te ākonga i te whakaaro taurangi i ngā āhuetanga o ia rā, o ia rā, tae atu ki ngā kaupapa me ngā horopaki huhua o te ao Māori, hei whakaoti rapanga. Ka tāpaea e te ākonga ēnei mahi hei taunakitanga kua puta māori mai i ngā kawenga e pā ana ki ngā āhuetanga maha o ia rā.

Kia taunga te ākonga ki ngā tikanga e whai wāhi mai ana:

- ki te whakawhānui kīanga taurangi
- ki te whakarūnā i ngā kīanga taurangi e whai wāhi mai ana te taupū, pērā i te  $(2x^4)^3$  me te  $\frac{12a^5}{8a^7}$  [whārite]
- ki te whakauru uara ki te ture tātai
- ki te rāwekeweke me te whakarūnā i ngā kīanga pērā i te  $\frac{3x}{4} - \frac{x+2}{3}$  me te  $\frac{3x^2-12}{x-2}$
- ki te huri i ngā ture tātai pērā i te  $E = \frac{1}{2}mv^2$  me te  $\frac{1}{u} + \frac{1}{v} = \frac{1}{f}$
- ki te whakaoti whārite rārangi, tōrite rārangi hoki, pērā i te  $5x + 12 = 3 - 2x$  me te  $3(x - 2) < 7$
- ki te whakaoti whārite pūrua pērā i te  $(8x + 3)(x - 6) = 0$ , te  $x^2 + 5x - 6 = 0$  me te  $3x^2 = 10x - 8$  (kāore e whai wāhi mai te whakaoti pūruatanga, te ture pūrua rānei)
- ki te whakaoti whārite māmā e whai wāhi mai ana te taupū, pērā i te  $x^3 = 8$  me te  $5^x = 125$
- ki te whakaoti whārite rārangi tukutahi, e rua ngā taurangi
- ki te whakamahi ture tātai
- ki te hanga, te tuhi kauwhata, me te rāwekeweke i ngā whārite rārangi, pērā i te  $E = 8 + 0.75t$ , hei whakaoti rapanga
- ki te tūhono i te pāpātanga o te whiti ki te rōnaki o te kauwhata
- ki te whakamahi whārite tukutahi, tōrite, kauwhata rānei hei whakaoti rapanga e whai wāhi mai ana te pānga rārangi.
- Kāore e whakaaetia te hangarau tāhiko i roto i ngā aromatawai mō tēnei paerewa paetae.

E whakaatu ana te Kete Manarua i ngā taunakitanga nei:

- te tuhi, te whakaoti whārite rārangi, te tōrite rārangi, te whārite pūrua, te whārite taupū māmā, te whārite tukutahi
- te whakawhānui i ngā tikanga paheko tau me ngā tikanga taupū.

Anei ētahi tauira mō te Kete Manarua:

- he whakaaturanga me ētahi kōrero whakamārama (Kia iti iho i ngā whārangi e 6)
- he kohinga whakaahua me ētahi kōrero whakamārama
- he kiriata (e 2-3 meneti)
- t/ētahi atu tūmahi aromatawai

## Ngā Herenga Aromatawai

He mahi takitahi tēnei mahi nā te ākongā; me te whakatakoto taunakitanga mō te aromatawai ā-waho. He Kete Manarua ā-matihiko anake.

Kia tutuki pai te Kete Manarua ā-matihiko nei:

- me whakaputa hei PDF;
- me noho te rahinga tuari ki raro i te 5GB e pai ai te tārewatanga o ngā mahi ki te Online Digital Submission Portal;
- me tika te whakaraupapatanga o ngā mahi;
- me tika te whakatakotoranga o ngā mahi (kia kaua e noho tītaha, huripoki rānei);
- me tāmaua te kiriata ki te tītohunga ataata, ā, kua rāhuitia te tukuhanga noa i te honongaitua me tana kōtahi.

## Te Motuhēhē o ngā mahi o ngā ākongā

Me pēhea e mōhiotia ai te motuhēhē o ngā mahi o ngā ākongā? He tukanga, he taunakitanga e mōhiotia ai nā te ākongā ake āna mahi aromatawai. Kia mataara ngā ākongā, ngā kaiako me te whānau o te kura hoki ki te motuhēhē o ngā mahi a ngā ākongā.

He māmā noa iho te tiki mahi a tangata kē, heoi, mā te mihi e whakaatu, e whakanui hoki i ngā tāngata me ngā puna awahina i puta ai ngā mahi a ngā ākongā.

Hei tauira:

- He rerenga kupu poto e tohu ana i te pūtakenga mai o tētahi kōrero;
- He rārangi tohutoro i te whārangi whakamutunga o ngā mahi;
- He mihi ki te tangata | puna awhina;
- Ngā momo puna awhina, puna kōrero rānei:
  - » Kōrero ā-waha: he uiui kaumātua, pakeke, rangatira, mātanga rānei;
  - » Ngā pukapuka i whakaputa;
  - » Ngā pukapuka kāore i whakaputa;
  - » Wāhitau ipurangi.

He kōrero anō i ngā wāhitau ipurangi o te paetukutuku NZQA:

- [Authenticity: NZQA](#)
- [Myth 3 Managing authenticity: NZQA](#)
- [Authenticity of externally assessed standards: NZQA](#)
- [Guidance on the acceptable use of Artificial Intelligence: NZQA](#)

## Te Tāpaetanga me te Hāponotanga

Ko ngā tāpaenga Kete Manarua me mahi mā te pūnaha hou (kei te pae ipurangi matua o MyNZQA): [Tāpaetanga pūnaha hou NZQA](#).

Kāore te Kete Manarua matihiko e whakahokia ki te ākongā. Mēnā he kōrero anō mō te tāpaetanga me te hāponotanga o te mahi, mā te tari o NZQA e pānui atu ki ngā kura.

Mēnā kei te hiahia āwhina ki te tuku atu i ngā tāpaenga Kete Manarua:

- Īmēra mai ki [assessment.servicecentre@nzqa.govt.nz](mailto:assessment.servicecentre@nzqa.govt.nz),
- waea rānei i te NZQA Contact Centre mā te nama 0800 687 296.