

Paerewa Paetae

KUA MŌNEHU

Aronga	Hangarau Matihiko 1.11		
Ingoa	Whakaatu māramatanga o te tuhiwaehe kōpeketanga mō tētahi momo pāpāho kua whiriwhiria		
Kaupae	1	Whiwhinga	3
		Aromatawai	ā-Waho
Marau akoranga	Hangarau		
Kokonga akoranga	Hangarau Matihiko		
Mana rēhita	Kua rēhitatia	Te rā i mana ai	23 o Whiringa-a-rangi 2017
Te rā e arotakengia ai	31 o Hakihea 2019	Te rā i puta ai	23 o Whiringa-a-rangi 2017

E hāngai ana tēnei paerewa paetae ki te whakaaturanga o te māramatanga o te tuhiwaehe kōpeketanga mō tētahi momo rongorau kua whiriwhiria.

Paearu Paerewa

Paetae	Kaiaka	Kairangi
<ul style="list-style-type: none"> Whakaatu māramatanga o te tuhiwaehe kōpeketanga mō tētahi momo pāpāho kua whiriwhiria. 	<ul style="list-style-type: none"> Whakaatu māramatanga hōhonu o te tuhiwaehe kōpeketanga mō tētahi momo pāpāho kua whiriwhiria. 	<ul style="list-style-type: none"> Whakaatu māramatanga matatau o te tuhiwaehe kōpeketanga mō tētahi momo pāpāho kua whiriwhiria.

Kōrero Whakamahuki

1. I ahu mai tēnei paerewa paetae i te Taumata 6 o te wāhanga ako Hangarau o te marau *New Zealand Curriculum*, i whakaputaina e Te Pou Taki Kōrero i te tau 2007. E hāngai ana hoki ki ngā kōrero kua tuhia i te *Teaching and Learning Guide for Technology*, i whakaputaina e Te Tāhuhu o te Mātauranga, ā, ka kitea ki <http://seniorsecondary.tki.org.nz>.

He mōhiohio atu anō ka kitea ki <http://www.technology.tki.org.nz/>.

He tohutoro ki ngā mōhiohio hāngai kei te rauemi *Safety and Technology Education: A Guidance Manual for New Zealand Schools*, i whakaputaina e Te Tāhuhu o te Mātauranga, ā, ka kitea ki <http://technology.tki.org.nz/Technology-in-the-NZC/Safety-in-Technology-Education-revised-2017>, ki te Ture Hauora me te

Haumarū ki te Wāhi Mahi 2015 hoki.

I ahu mai hoki tēnei paerewa paetae i *Te Marautanga o Aotearoa*. Mō ētahi atu kōrero e hāngai ana ki ngā putanga ka whai wāhi i tēnei paerewa tēnā tirohia te [Papa Whakaako](#) kia kitea te wāhanga ako tika.

2. Ka kapi i te paearu *whakaatu māramatanga o te tuhiwaehere kōpeketanga mō tētahi momo pāpāho kua whiriwhiria:*

- te tautohunga o ngā take ka kōpeke kōnae
- te whakaatu ka pēhea te whakaahuatanga o te momo pāpāho kua whiriwhiria mā te whakamahi i ngā wāhanga kore kōpeke
- te whakaatu i te mahi o te aratuka kōpeketanga whakaora katoa
- te whakaaturanga o ētahi taura i ngā wā kāore te kore kōpeketanga i te pai.

Ka kapi i te paearu *whakaatu māramatanga hōhonu o te tuhiwaehere kōpeketanga mō tētahi momo pāpāho kua whiriwhiria:*

- te hōparatanga o te whanaungatanga i waenganui i te kōpeketanga ākiri wāhi noa me te pōhēhē o te tangata e pā ana ki te momo rawatuku
- te arotakenga o ngā aratuka kōpeketanga ākiri wāhi noa, kōpeketanga whakaora katoa hoki.

Ka kapi i te paearu *whakaatu māramatanga matatau o te tuhiwaehere kōpeketanga mō tētahi momo pāpāho kua whiriwhiria* te arotake i te whakahohetanga o ngā taupānga ao-tūturu e ngā whakaahuatanga hāngai pēnei i te kōpeketanga me te ākiri wāhi noa, te kōpeketanga whakaora katoa, te kōpeketanga, te kore kōpeketanga rānei.

3. E āhei ana te whiriwhiri i tētahi o ngā pāpāho e rārangi nei, arā ngā atahanga, ororongo, ataata me te hākoritanga. Mehemea kua whiriwhiria te ataata, te hākoritanga rānei, e whakaae ana kia whakamahia ngā atahanga (tāparenga), te raraunga ororongo rānei mō ēnei mahi. Me whakaoti i ngā mahi i roto i te horopaki o te momo pāpāho kua whiriwhiria.

4. Koinei ētahi taura o ngā aratuka *kōpeketanga whakaora katoa:*

- whakawaeheretanga wāhaere
- whakawaeheretanga ā-auau pūāhua, whakawaeheretanga Huffman
- ngā huarahi LZW.

5. Ka kitea ngā Tikanga Aromatawai e hāngai ana ki tēnei paerewa paetae ki

<http://ncea.tki.org.nz/Resources-for-Internally-Assessed-Achievement-Standards>.

Tātari Kounga

1. Me mātua whakamana ngā Kaituku Akoranga me ngā Whakahaere Whakangungu Ahumahi e te Mana Tohu Mātauranga o Aotearoa ka rēhita ai i ngā hua ka puta mai i ngā aromatawai ki ngā paerewa paetae.

2. Me uru ngā Kaituku Akoranga me ngā Whakahaere Whakangungu Ahumahi kua mana, ā, e aromatawai ana i ā rātou hōtaka ki ngā paerewa paetae, ki ngā pūnaha whakarite e tika ana mō aua paerewa paetae.

Ko te tohutoro ki te Mahere Whakamana, Whakaōritenga hoki 0233