

Ako Tūhono: Te Matihiko me Ngā Raraunga mō te Ako

He Rautaki mā ngā tari
kāwanatanga 2023 - 2033



**Te Tāhuhu o
te Mātauranga**
Ministry of Education



Mana Tohu Mātauranga o Aotearoa
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**Tertiary Education
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Te Amorangi Mātauranga Matua



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**Teaching
Council of
Aotearoa
New Zealand**

**Rārangi Utu ā-Mātauranga
EDUCATION PAYROLL**



REAAWVZ

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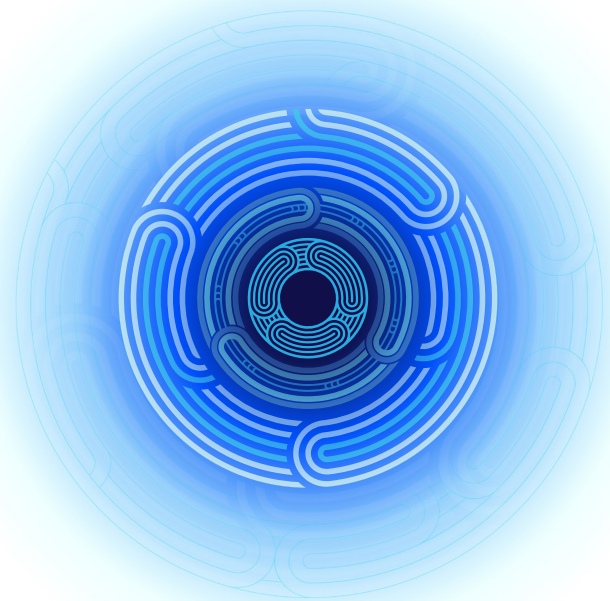
"He rangi tā matawhāiti, he rangi tā matawhānui"

Mō te hoahoa

Te Puna o te Whakaaro

E kōrero ana tēnei whakatauākī mō te puna hei pūtake o te auahatanga matihiko, hangarau me te tūhononga. E tohu ngā kare i te ako me te rerenga tauutuutu o ngā mōhiotanga me ngā akoranga matihiko i waenga i ngā kaiako, ngā ākonga me te hapori whānui.

Nā Randal Leach, Ngāti Porou, Te Aitanga-a-Hauiti, ringatoi ataata onāiane me te kaiwhakaako.



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Whakarāpopoto Matua

Ako Tūhono: He rautaki 10-tau Te Matihiko me Ngā Raraunga mō te Ako hei ārahi i te ahunga matihiko me ngā raraunga a ngā tari mātauranga a te Kāwanatanga o Aotearoa.

He toro mai i te Rautaki Matihiko mō Aotearoa hei hōpara i ngā whai wāhitanga me ngā whakapātaritari mō te rāngai mātauranga.

He rautaki tēnei mā ngā tari mātauranga a te Kāwanatanga, e arahina ana e Te Tāhuhu o te Mātauranga (te Tāhuhu), Te Mana Tohu Mātauranga o Aotearoa (NZQA) me Te Amorangi Mātauranga Matua (TEC), ā, ka hāngai i tētahi mahere mahi mai i te rautaki.

Ko ētahi atu tari mātauranga whānui – Manapou ki te Ao (ENZ), Rārangi Utu-ā-Mātauranga, Te Tari Arotake Mātauranga (ERO), Network for Learning (N4L), Matatū Aotearoa, Te Aho o Te Kura Pounamu (Te Kura) me te Research Education Advanced Network New Zealand (REANNZ) – i tuku tautoko ki te rautaki, ā, ka whakamahia hei whāngai atu me te ārahi i ā rātau ake mahere, whakatau hoki.



Te matawhānui

Ka momoho ngā ākonga me ngā kaiwhakaako – te noho, ako me te mahi – i te ao matihiko

He matatau te tangata ki te matihiko me ngā raraunga, e tautoko ana i te tipu o te tangata, te hapori, me Aotearoa

Ka tino whai hua ngā ako, whakaako, aromatawai me te rangahau i te whakamahi raraunga me te matihiko



Ngā pūtake

Te Tiriti

Mā te whakamana i Te Tiriti o Waitangi ka here i te rautaki, mō te painga o ngā tāngata katoa o Aotearoa

He nui te mana o ngā utauta matihiko, raraunga hoki hei whakatūturu i te pātuitanga, te whai wāhitanga me te whakamaru. Ka mahi tahi ngā tari me te Māori me te kāwanatanga whānui hei whakatū i tētahi anga mō te kauneke whakamua i ngā kaupapa matihiko, raraunga hoki hei whakamana i Te Tiriti.

Mana Ōrite

Ka taea e ngā ratonga matihiko me ngā raraunga te āwhina ngā ākonga katoa me ngā whānau, ngā kaiwhakaako me ngā kaiwhakarato, kia momoho

Ka taea e te aronga matihiko me te whakamahi tika i ngā raraunga te whakapai ake i te mana ōrite. Ka mahi tahi ngā tari me ngā pātui puta noa i te kāwanatanga, me ngā kaiwhakarato mātauranga, ngā iwi, ngā iwi o Te Moananui-a-Kiwa, ngā hapori me ngā pakihi mō ngā aronga wā roa, toitū hei whakapai ake i te mana ōrite.







E mahi tahi ana ngā tari

Mā te tautuhi i ngā whāinga wā roa me ngā putanga, ngā tari mātauranga ka āwhina i ngā kaiwhakaako, ngā ākonga me ngā kaiwhakarato kia whiwhi i ngā painga o te matihiko me ngā raraunga

He kawenga ake ō ngā tari mātauranga mō ngā wāhanga rerekē o te rāngai mātauranga. He pūkenga me te takohanga rerekē ō mātau. Ka mahi mātau kia pipiri ai me te ārahi i te rāngai.



Te aronui

Te aronui	Te mahi	
<p>Tūhononga Te whakawhānui atu i ngā tūāpapa</p>		<p>Te ao Māori i roto i te hoahoa matihiko Ka whiria tahitia e tātau ngā tirohanga me te mana o te matihiko me ngā raraunga.</p>
		<p>Te whakamahi raraunga kia whaitake ai Ka taea e te pūnaha raraunga pono ko te ahuahu i te mātauranga mō ngā tāngata, ngā whānau me ngā whakahaere mātauranga me te whakapai ake i te pūnaha whānui.</p>
		<p>Ngā ratonga matihiko haumaruru me te whaitake E taea ana ngā otinga matihiko ā-anamata, me te rere pai me te utu ngāwari.</p>
<p>Paiherenga Te āhua o tā mātau mahi</p>		<p>Kia whānui, kia whaitake te kōrerorero tahi Ka mahi tahi mātau me ngā tokomaha kia pipiri ai me te ārahi – tae atu ki ngā kaiwhakarato mātauranga, ngā iwi, ngā kaiwhakarato hangarau, ngā pakihi me ngā hapori.</p>
		<p>Kaiārahitanga aronga anamata He painga ō ngā ia me ngā hangarau e ara ake ana mō te ako me te whakaako, mā te tohunga o te tiroiro, whakamahere me te whakamātautau.</p>
<p>Kaha Hei whakarato</p>		<p>Akoranga, whakaako, aromatawai me te rangahau kua takahuria Ka taea te ako, whakaako, te aromatawai me te rangahau te takahuri mā te matihiko me ngā raraunga hei hiki i te oranga, te whakawhānui i ngā kaha, me te whakapai ake i ngā putanga akoranga.</p>

Mai i te rautaki ki te mahi

I te whakatinanatanga o te rautaki, ka hangaia e ngā tari hira, te Tāhuhu, te NZQA, me TEC tētahi mahere mahi o ngā mahi me ngā kaupapa matua.

Ka whakamahia e ngā tari whānui ake i roto i te whānau mātauranga te rautaki hei whakamōhio me te ārahi i ā rātau ake mahere.

I te mea ka whakaritea e ngā tari matua ngā mahi i mua noa atu, ka whakaaroarohia e rātau ngā tūmomo rārangi mahi rerekē, kua tīmata ētahi, ko ētahi kua whakaarohia e ngā tari takitahi. Kei roto i ēnei ko:



Te ao Māori i roto i te hoahoa matihiko

Mahi: te whakaae ki ngā tukanga hei whakaū i te ao Māori i roto i te hoahoa matihiko me te whakaratonga



Te whakamahi raraunga kia whaitake ai

Mahi: te hoahoa i te tuakiri matihiko me te whakarato i te anga raraunga rāngai



Ngā ratonga matihiko haumaruru me te whaitake

Mahi: te whakapai ake i ngā ratonga matihiko me ngā tautoko mā ngā kura me te whakaū i te haumarutanga ipurangi puta noa i ngā whakahaere mātauranga katoa



Kia whānui, kia whaitake te kōrerorero tahi

Mahi: te mahi tahi me te hunga whai pānga kanorau mō te waihanga aronga matihiko manaaki



Kaiārahitanga aronga anamata

Mahi: te mahi tahi ki te āta tiroiro, hanga mahere, me te whakamātau i ngā hangarau kei te ara ake



Akoranga, whakaako, aromatawai me te rangahau kua takahuria

Mahi: te whakatipu i te paiherenga kia uru mai ai ngā whakaarohanga matihiko me te raraunga puta noa i te whai mātauranga

He tiro māwhiti ki te rautaki

Te ao Māori i roto i te hoahoa matihiko

Te whakaae ki ngā tukanga hei whakaū i te ao Māori i roto i te hoahoa matihiko me te whakarātonga



Te whakamahi raraunga kia whaitake ai

Te hoahoa i te tuakiri matihiko me te whakarato i te anga raraunga rāngai



Ngā ratonga matihiko haumaruru me te whaitake

te whakapai ake i ngā ratonga matihiko me ngā tautoko mā ngā kura me te whakaū i te haumarutanga ipurangi puta noa i ngā whakahaere mātauranga katoa



TŪHONONGA

TE MATAWHĀNUI

KAHA

PAIHERENGA

TE TIRITI

MANA ŌRITE

TE MAHI NGĀTAHI A NGĀ TARI



Kia whānui, kia whaitake te kōrerorero tahi

Te mahi tahi me te hunga whai pānga kanorau mō te waihanga aronga matihiko manaaki

Akoranga, whakaako, aromatawai me te rangahau kua takahuria

Te whakatipu i te paiherenga kia ūru mai ai ngā whakaarohanga matihiko me te raraunga puta noa i te whai mātauranga



Kaiārahitanga aronga anamata

Te mahi tahi ki te āta tiroiro, hanga mahere, me te whakamātau i ngā hangarau kei te ara ake

He aha te take me whai rautaki?

Ka whakarite tēnei rautaki i ngā aronga matihiko me ngā raraunga mō ngā tari mātauranga o Aotearoa mō te tekau tēnei e tū mai.

He mea whakahau e te Education Sector Stewardship Forum, Ngā Tumuaki o ngā tari mātauranga me ngā hinonga hāngai. Ahakoa e kōkiri whakamua ngā tari mātauranga i ā rātau ake rārangi mahi, ka tino whaitake tātau ina tau he whakaaetanga mō te hunga taumata teitei me ngā whāinga o te pūnaha matihiko mātauranga.

Ina waihanga ana i te whānuitanga o te rautaki i reira ētahi whakaarohanga hira maha:

Ngā tauārai ki te āhei atu

- Te whakarite kia whiwhi painga ngā ākonga o ngā taipakeke katoa mai i te whai wāhitanga akoranga tuihono me te ngāwari tino kounga

Ngā raraunga ka tuarhia

- He pūnaha rauropi raraunga e whirinakitia ana me ngā ākonga me rātau e tautoko ana i ā rātau akoranga te mea nui

Te whakarite i ngā aronga matihiko

- He aronga i āta whakaritea hei whakatairanga i te auahatanga matihiko, te pātui ki ngā kaiwhakaako, te hunga whai pānga e kaingākau ana me te rāngai EdTech hei tautoko i te pūnaha mātauranga o Aotearoa me te hanga i ngā whai wāhitanga ōhanga ā-ao

Ngā akoranga mai i te KOWHEORI-19

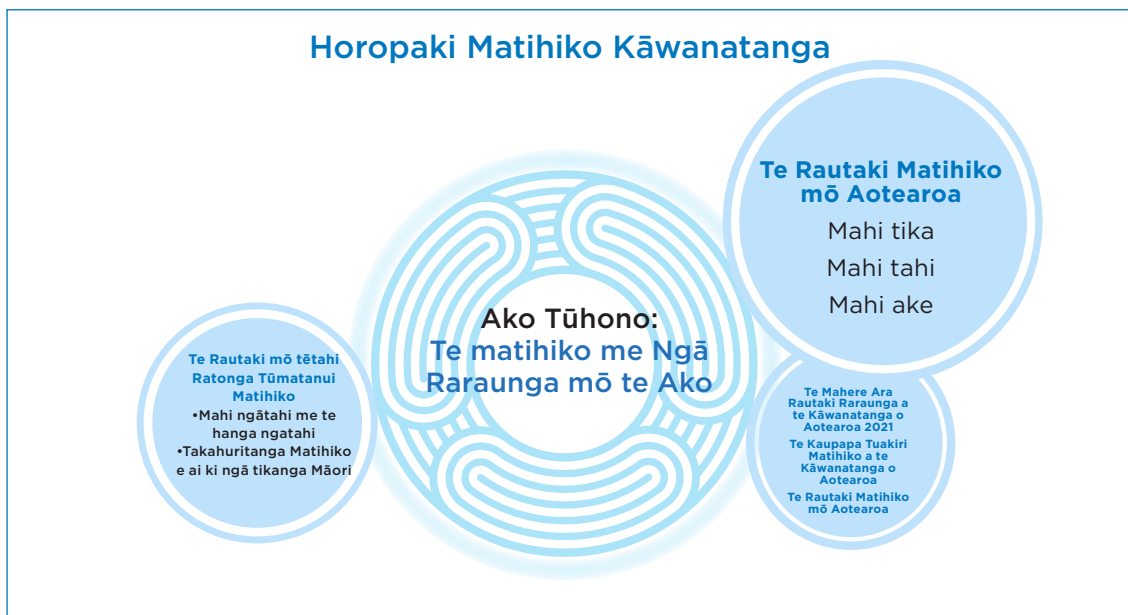
- Te hopu me te ako mai i ngā auahatanga me te whakararutanga o te mate urutā

Haumarutanga ipurangi

- Te whakamaru ākonga, ngā kaiwhakarato me te pono o ngā raraunga

Te mātauranga i roto i te horopaki

- Te whakahāngai ki te Rautaki Matihiko matawhānui mō Aotearoa a te Kāwanatanga, me te mōhio he hira te hono o te pūnaha mātauranga hei whakarite kei te takatū ngā ākonga onāiane me āpōpō mō ngā anamata matihiko i ō rātau ao, ara mahi hoki



He aha te tikanga o te matihiko ki a tātau? Kei te whai mātau i te aronga i whakamanahia i roto i Te Rautaki Matihiko mō Aotearoa:²

"Ina kōrero tātau mō te "matihiko" i roto i tēnei rautaki, kei te kōrero tātau mō te pūmanawa mārō me te pūmanawa rorohiko, te tūāhanga e tautoko ana i tērā, me ngā raraunga e tino hira ana ki ēnei pūnaha. E kōrero ana anō te Rautaki mō ngā ture me ngā kaupapahere e whakahaere ana i ngā hangarau matihiko me ngā taupānga, me ngā pūnaha hangarau-pāpori whānui atu e noho ana te matihiko i roto. Ko te tikanga o tēnei kāore tātau i te arotahi anake ki ngā hangarau matihiko anō engari ki te āhua o te hoahoa me te whakatinana, ā, ko wai ka whiwhi kōrero, ngā raraunga e whāngai ana ki roto, ka hangaia hoki, te maha o ngā tikanga e whakamahia ana, ā, me ngā pānga pāpori, pūtea, taiao me te ahurea ka puta ake."

Putā noa i te Rautaki Matihiko mō Aotearoa, kua whakarārangitia e te Kāwanatanga o Aotearoa tana matakitenga mō te anamata matihiko o Aotearoa me ngā kaupapa e toru – mahi tika, mahi tahi me te mahi ake. Kua tautuhia ko te ōhanga matihiko te whai wāhitanga tipuranga mō Aotearoa. Mēnā ka pai te whakahaere, he tuku i tētahi whai wāhitanga toitū mō te taiao. I tua atu i tēnei, mā te wairua auaha Māori i roto i te matihiko ka taea tētahi takoha ahurei ki te ao me Aotearoa hoki.

I tua atu i tēnei, kua whakaaroarohia e mātau te Rautaki a te Kāwanatanga mō tētahi Ratonga Tūmatanui Matihiko, me ngā rārangi mahi ka puta ake.³ Ko te whakapono o tā mātau rautaki:

Kei roto i tēnei rautaki matihiko me ngā raraunga ko te Rautaki Matihiko a te Pūnaha Mātauranga: Te Takahuri i te Mātauranga mō te Ao Matihiko 2015-2020, i hanga i tētahi tirohanga matawhānui o ngā whanaketanga matihiko i roto i te mātauranga o Aotearoa i taua wā. He aha ngā huringa mai i taua wā?

² Te Rautaki Matihiko mō Aotearoa

³ Te Rautaki mō tētahi Ratonga Tūmatanui Matihiko

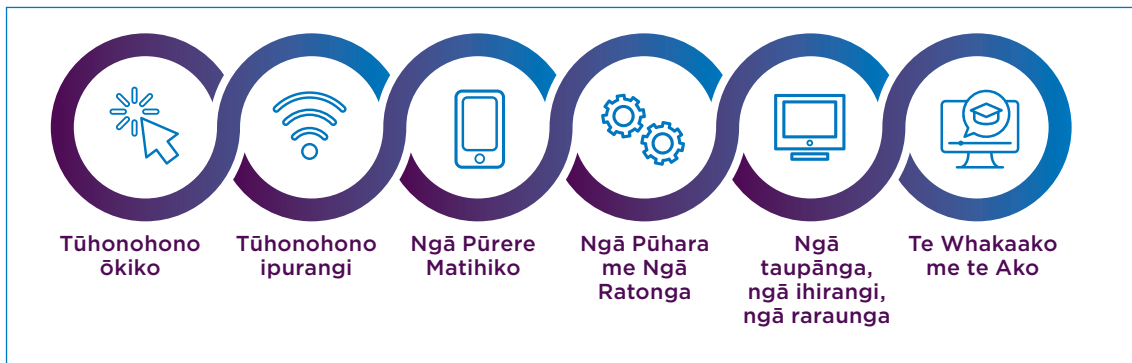
Kei roto i tēnei rautaki matihiko me ngā raraunga ko te Rautaki Matihiko a te Pūnaha Mātauranga: Te Takahuri i te Mātauranga mō te Ao Matihiko 2015-2020, i hanga i tētahi tirohanga matawhānui o ngā whanaketanga matihiko i roto i te mātauranga o Aotearoa i taua wā. He aha ngā huringa mai i taua wā?

- Kua tino tere te anga whakamua o te hangarau.
- E tino arotahi ana te mātauranga ināianei hei whakamana i Te Tiriti o Waitangi.
- He kaha ake tā mātau arotahi ki te whakapau kaha mō te mana ōrite me te kauawhi.
- Kei te pū ngā ākonga me ō rātau whānau o ngā whiriwhiringa mātauranga, kaupapa me ngā whakatau.
- E tūmanako ana mātau ka pā tonu mai ngā whakararutanga nā te huringa āhuarangi.
- He nui ō mātau mōhio mai i ngā wheako o te mātauranga i te wā o te mate urutā o te ao.

Ka whakawhānui tēnei rautaki i te wheako ao tūturu o ngā tau tōmua o te 2020 i te whakararu a te KOWHEORI-19 i te ao whānui. I whakaaturia e te mate urutā ngā mea ka taea me ngā whāititanga o ngā pūnaha mātauranga huri ki ngā whakararutanga mātauranga rerekē.⁴

E mārama pai ake mātau ināianei he pēhea te pānga o ngā wāhanga katoa o te pūnaha matihiko whānui ki te mātauranga me te whakaawe i ngā putanga pai ake mō ngā ākonga.

Pūnaha Matihiko Whānui mō te Ako me te Whakaako⁵



⁴ Wenmoth. 2021. [Arotake Whakaaturanga: Ko ngā hangarau matihiko kei te mātauranga i te wā o te mate urutā KOWHEORI-19](#)

⁵ Anō

E whai kaha haere ana te mātauranga i ngā hangarau matihiko. Ka taea e ēnei te whakamōhio atu me te takahuri i te ako, whakaako, aromatawai me te rangahau. Koinei te mīhini whakahaere me te whakarato i ngā tari mātauranga me te nuinga o ngā kaiwhakarato mātauranga. Ka taka mai i ēnei ko ngā whai wāhitanga me ngā mōrea hei whakahaere.

He rerekē, he mana whakawhiti te pūnaha mātauranga o Aotearoa. Kei roto nei ko te: rāngai kura kōhungahunga me ngā kaiwhakarato tūmataiti; ngā kura tūmatanui, tūmataiti me ngā kura tāuke tuatahi, takawaenga, hiato, tuarua; te ranga mātauranga matua o ngā whare wānanga, ngā wānanga, Te Pūkenga, ngā kaiwhakarato mātauranga matua tūmataiti, me ngā whakahaere mātauranga matua, tae atu ki ngā Ohu Mahi. Ko te mātauranga Māori, me te rumaki reo Māori i ngā taumata rerekē o te pūnaha he wāhanga ahurei nō te kanorautanga o tā tātau pūnaha mātauranga. He mātauranga herekore tō ngā whare wānanga, ngā wānanga me te Te Pūkenga me te rangatiratanga motuhake ā-whakanōhanga e ai ki te Ture Mātauranga me te Whakangungu 2020.

He mea kaha te kanorau, te whakahaere-whaiaro me te motuhaketanga o te rāngai; he tāpiri anō i te uauatanga me te utu o ngā aronga matihiko.

E noho ana te iwi o Aotearoa i tētahi ao e nui haere ake te matihiko. He kawenga tō te pūnaha mātauranga i ngā taumata katoa kia takatū ai te iwi o Aotearoa hei kirirarau nō taua ao. E hiahia ana te mōhio tangā matihiko, reo matatini, matatau me te whai kaha kia momoho ai.⁶

⁶Wenmoth. 2020. [Kahawhiri Matihiko](#)



Ka pakari te tangata i te tino nui o te matatau matihiko me te kahawhiri matihiko kia tino taea ai ngā painga atu anō me ngā whai wāhitanga i ō rātau ao, te toro i ngā ratonga, te hanga mea hou, te whakatipu mahi me te whakawhānui ake i ngā akoranga hei umanga pūmau.

E mōhiotia ana a Aotearoa mō te tautoko i ngā hangarau matihiko i roto i te mātauranga⁷ engari kei reira tonu ngā whakapātaritari hei whakarite.

I whakatinanahia e The Research and Education Advanced Network New Zealand (REANNZ) i te tau 2005 hei tūhono i ngā whare mātauranga matua, ngā whakahaere rangahau, ngā whare pukapuka, ngā whare taonga ki te ao mō ngā kaupapa rangahau me te mātauranga.

I ngā kura, i āwhina ngā kaupapa mai rā anō i ngā tau o te 1990 kia āhei atu ngā kaiako me ngā ākonga ki ngā hangarau ka taea te tautoko te mātauranga. I whakaratoa e ngā ratonga aunui tino tere, e whakahaeretia ana hoki mā te Network for Learning (N4L) mai i te tau 2012, ā, mā ngā tūmomo kaiwhakarato ā-motu me te ao e aro ana ki te mātauranga, i uru ai ngā ākonga maha ki ngā ratonga matihiko e whakarangatira ana i te mātauranga.











Mā te rangahau a te Kaupapa Ngā Raraunga Atamai me te Hangarau Matihiko (OECD/CERI) o te tau 2022 (ka whakaputaina) ka puta tētahi tirohanga whānui o te āhua onāiane i te whakaratonga matihiko i roto i te mātauranga o Aotearoa e whakataurite ana ki ētahi atu whenua OECD.

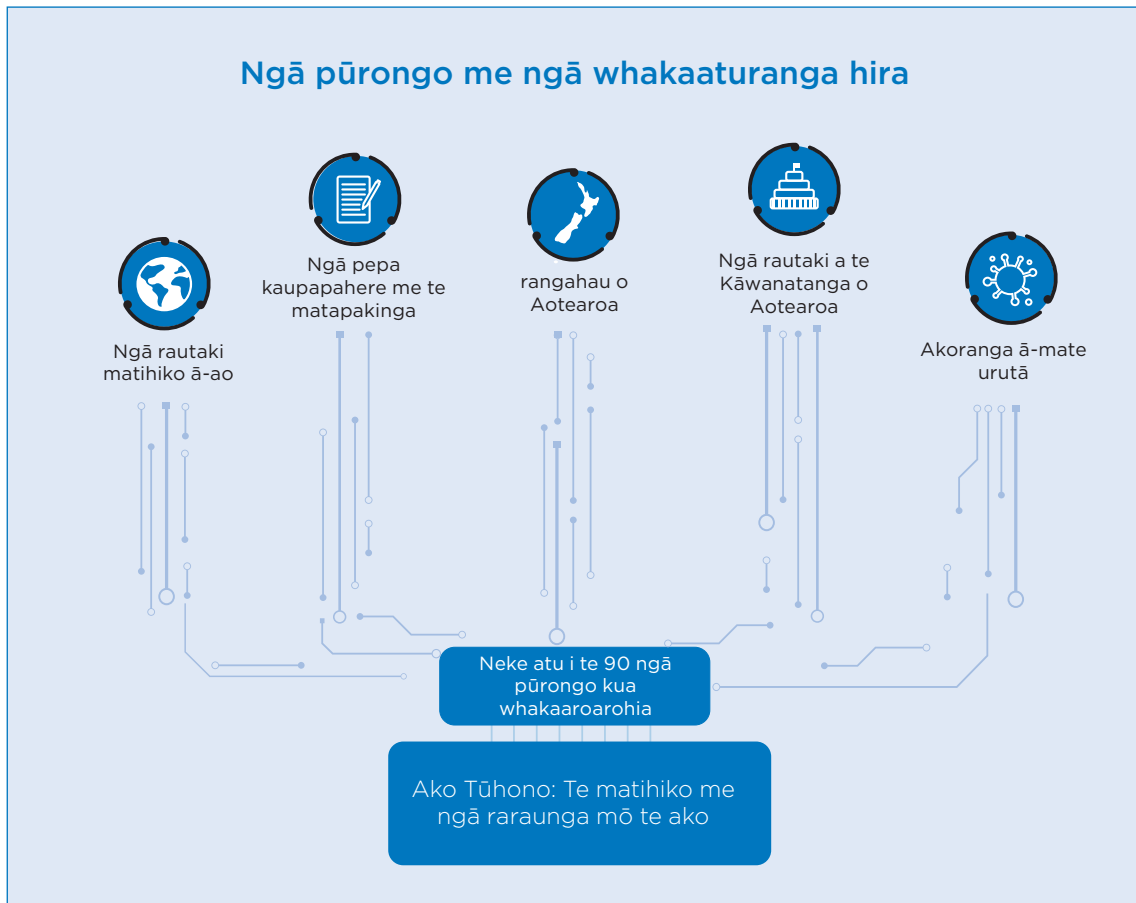
Ka oti te tiro tiro i te āhuatanga i te tau 2022 ki te āta tiro tiro i ngā ia o te ao, o te motu me ngā rohe e whai pānga ana ki te iwi whānui. Kei roto i ēnei ko te āhua o te mahi, te huringa āhuarangi me ngā nekehanga hangarau me te hangapori.

⁷Āpiti hanga 2 – Wātaka o te IT i roto i te mātauranga o Aotearoa



Te Tiro i te Taiao⁸

	 Tōrangapū	 Ōhanga	 Whiwhi mahi	 Hangarau	 Ture	 Taiao	 Pāpori	 Mātauranga
 <p>ā-Ao</p>	<ul style="list-style-type: none"> Ngā mōrea ki te manapori Pāhekeheke tōrangapū Ngā whakapātaritari hāhi wehe kē whakatu-atea (tae atu ki te ipurangi me te koiora) Te huri i te taurite o te mana me ngā hononga Ngā mate urutā / hauora aowhānui 	<ul style="list-style-type: none"> Te huringa o ngā mahi o te ao Tautika-kore ā-ōhanga Pikiutu tukipū me te pāhekeheke ōhanga Te whakararutanga ara tukutuku Ōhanga auaha Wāhi tauhokohoko ā-ao Ngaronga o ngā kai-whiwhi moni whiwhi 'waenga' "Ngā mahi kākārīki" mō te anamata 	<ul style="list-style-type: none"> Ngā mahi hou Ngā rerekētanga ki ngā pūkenga e hiahiatia ana Pūmanawa pakanga Te tuku mā waho e whakarato Ngā kaimahi motuhake tononoa Ngā kirimana kore-haora Whakapātaritari pūkenga hangarau Te hiahia ki ngā kaimahi whai pūkenga matihiko Ngā rōpū pūkenga-maha 	<ul style="list-style-type: none"> Taihuringa Ahumahi 4 Ipurangi i ngā wāhi katoa, tino tere me ngā wāhi kore ipurangi Ngā hangarau ā-kapua Ngā raraunga nui / ngā tātaritanga Atamai Hangahanga Hangarau kapua Pātengi porohono Purei kēmu, whakakēmu Mātai karehiko Ngā pūtake pūngao hangarua 	<ul style="list-style-type: none"> Mana whakahaere ture me te tino rangatiratanga o ngā whenua Ngā rangatōpū o te ao - Te karo tāke Ngā Rawa Hinengaro (Manatārua, Creative commons) Tūmataitinga Haumarutanga ipurangi Whakaurunga matihiko 	<ul style="list-style-type: none"> Huringa āhuarangi Whakakinotanga o ngā taiao tūturu Ngaronga rerenga rauropi Pānga o ngā ahumahi hao rawa whenua Ngā aituā ao tūroa Te āhei atu ki te wai inu haumaruru 	<ul style="list-style-type: none"> Ngā hangapori hurihuri (te tipu o te taupori, neke ā-tāone, te pak-eketanga me te ora roa, aha atu, aha atu) Te tipu o te rerenga me te kaiheke Ngā tūkinotanga tika tangata Ngā whakapātaritari ira tangata me te momo ā-iwi Te whānui haere o ngā wehenga whai moni Te nui haere o te rawa-kore 	<ul style="list-style-type: none"> Akoranga Momorua Te tautuhi anō he aha te 'angitu' Ngā tauira hou o te aromatawai Te arotahi ki ngā mōhioatanga me ngā kaha Mōhioatanga ā-ao Matatau matihiko Kahawhiri ākongā me te whakawhaiarotanga Oranga
 <p>Ngā Mea Tauwhāiti ki Aotearoa</p>	<ul style="list-style-type: none"> He manapori pūmau, tuwhera a Aotearoa Ngā rerekētanga kei te tipu haere - whairawa, whare noho, urunga matihiko Āhei atu ki te tauhokohoko Āhei atu ki ngā ratonga tūmatanui Ko te whakaaro he kaiwhakaōrite te hangarau hei whakatutuki i te matakite o tētahi iwi manapori. 	<ul style="list-style-type: none"> Te tipu o te rāngai hangarau hei kaihipai i te GDP Whakatutukitanga ōhanga kaha i ēnei tau nei - kia whai hua ngā kaiwhiwhi moni whiwhi wawaenga me te nui Te tipu haere tonu o te wehenga ōhanga Haumitanga ōkiko me te mariko 	<ul style="list-style-type: none"> Whai mahi nui Te hiahia ki ngā kaimahi whai pūkenga - otirā ngā pūkenga hangarau Ngā kōwhiringa kukume o tāwāhi mō ngā kaimahi o Aotearoa Te pēhi i te ohu mahi ratonga tūmatanui 	<ul style="list-style-type: none"> Te ingoa pai o te ao mō ngā ahumahi hangarau auaha Ngā tautoko pāpaku e wātea ana mō te rangahau me te whanaketanga mō ngā ratonga katoa Te whai i ngā hangarau taumata teitei mā te taupori whānui 	<ul style="list-style-type: none"> Te hōrapa aunui ā-motu, engari he nui tonu ngā whāruarua o te whai Ngā whakamōrea ipurangi Ngā mōhiohio herekore 	<ul style="list-style-type: none"> Te korenga o te mana 'horomata, kākārīki' Ngā pānga o te whakamahanatanga o te ao Ngā māharahara e tipu ana mō te wai Ngā mahere kaupapa-here anga whakamua - kāore i te tautokona whānuitia 	<ul style="list-style-type: none"> Ngā anga ahurea rua - te whakahōnore i Te Tiriti Te whakanui ake i te kanorau ahurea E arotahi ana ki te kauawhi (ahurea, ira tangata, hauātanga, aha atu, aha atu) 	<ul style="list-style-type: none"> Te heke o te whakatu-tukitanga o ngā pūkenga matua He koretake ngā putanga mō te hunga rawakore, te Māori, Te Moananui-a-Kiwa hoki Kua tīmata ngā arotake hira Pūnaha mana tuari - hiranga ruarua nei

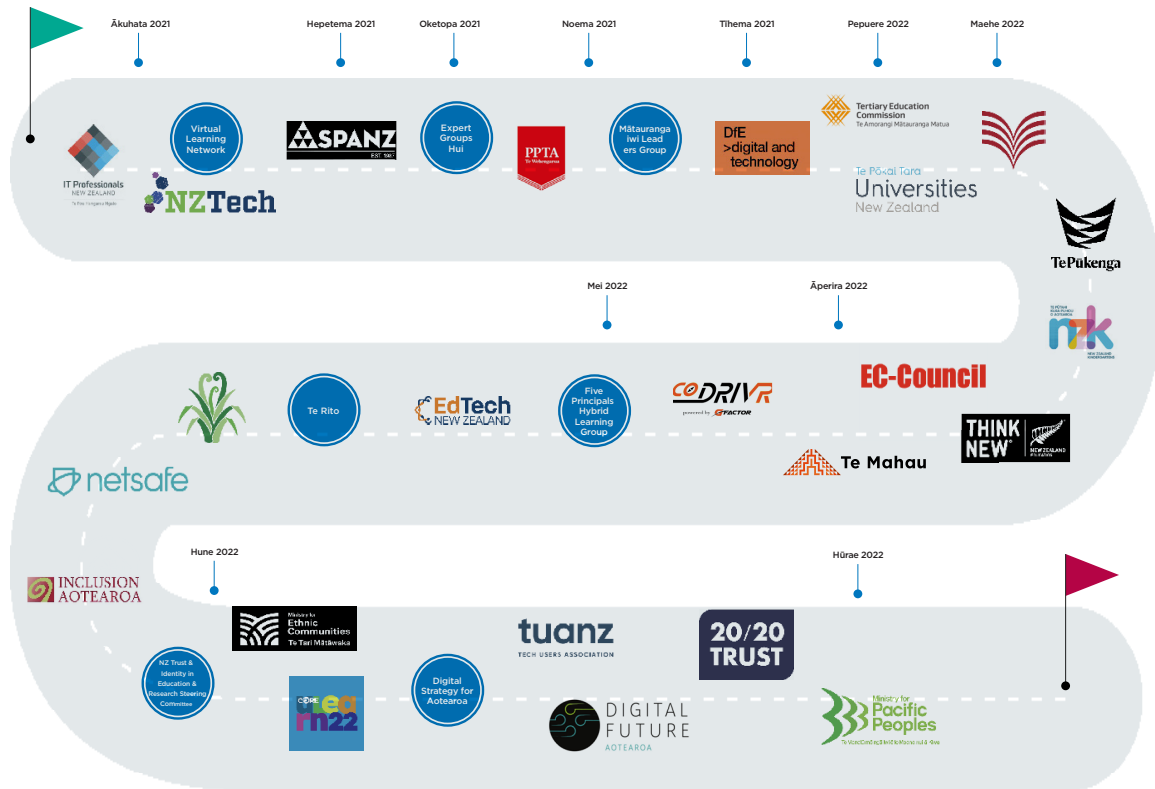


I tīmataria e ngā matapakinga a te Kōrero Mātauranga o te tau 2018 tētahi kōrero mō te anamata o te mātauranga i Aotearoa. I toro mātau i ngā aho o aua kōrero, i whakamātauria ngā whakaaro me te whiwhi tohutohu mai i ngā rōpū puta noa i te rāngai mātauranga, ā, mai i ētahi atu hunga whāi pānga hei whakamōhio atu i tēnei mahi.

Kei reira tētahi rārangi whānui o ngā tohutoro me ngā pūrongo katoa i toroa i roto i ngā āpitianga.⁹

⁹ Āpitianga 4 - Ngā Tohutoro

Ngā kōrerorero tahi hāngai puta noa i te rāngai mātauranga¹⁰



Ngā kaupapa ōrite i puta ake

Mana ōrite matihiko

- Ko te āhei atu ki te tūhonohono me ngā pūrere i te kāinga me roto i ngā whakahaere mātauranga tētahi take tino hira. Me kī, e mōhiotia whānuitia ana mā te kāwanatanga whānui kē me te iwi whānui e hāpai te mana ōrite matihiko, ka mutu me honohono te aronga me te aha he whānui ake i te urunga noa iho – ko te pono, whakahihiri, kaha, tae atu ki te ngāwari o te utu ki ngā pūrere me te tūhonohono.

Ako me te whakaako

- He mea tino nui te whakatipu i te kaha matihiko me te mōhio ki ngā tikanga ako pai rawa i te ao matihiko puta noa i te rāngai mātauranga.

Tuakiri matihiko

- He mea taketake tēnei hei hāpai i ngā wāhi pērā i te akoranga momorua me te aromatawai matihiko, te hīkoi a te ākonga puta noa i tana whai mātauranga me te āhei atu a te ākonga, matua me te whānau ki ngā mōhiohio.

¹⁰ Āpitianga 1 – Te Kōrerorero Tahī

Ngā Raraunga

- Te whai kaha kia pai ake te whakamahi raraunga a te ākonga, te kaiako, te whānau, te kaiwhakarato me te pūnaha tae atu ki te kohikohi, rokiroki me te āhei atu hei whakamōhio i ngā whakatau me te hanga mahere.

Te tauwhitiwhiti tahi i waenga pūnaha:

- He take tēnei puta noa i te wāhanga mātauranga e whakarite ana ngā kaiwhakarato mātauranga i te matatini o ngā pūnaha whakahaere ākonga rerekē, ngā pūnaha whakahaere akoranga, me ngā raraunga e hiahiatia ana i ngā taumata kura me te pūnaha.

Te matatini, te utu me te whakarite ka tū pakari ngā pūhara hangarau ā tōna wā

- He uaua tēnei mō te maha o ngā kaiwhakarato mātauranga e rapu ārahitanga, tohutohu, kaihautū hoki.

Te poto o te wā me ngā rauemi

- I te māharahara ētahi kaiwhakarato me ngā rōpū matua mō ngā rautaki ka whakapeto haere anō pea, ka hiahia pea i a rātau anō me ā rātau rawa whāiti noa.

Te manaaki

- He mea taketake te tautoko me te āhei atu a te hunga hauā, ngā tauārai whanonga ā-hinengaro rereke me te reo, ngā tauārai rawakore, ngā tauārai rohe whenua me ngā tauārai taipakeke.



Te horopaki

Te rautaki i roto i ngā kaupapa matua mātauranga me te Kāwanatanga

Kāore tēnei rautaki i te noho taratahi.

Ka whakatauria e te Matakiteinga Pūnaha Mātauranga ngā tūmanako whānui mō te mātauranga i Aotearoa. E tino whakamanatia ana mā Ngā Kaupapa Matua ā-Motu mō te Mātauranga me te Rautaki Mātauranga Matua. I roto i ēnei ko ngā kaupapa mātauranga me ngā ahunga maha e tautokohia ana, e whakaatahia ana e tēnei rautaki.

Ka whakamahi katoa ērā i roto i te paiherenga kāwanatanga whānui hei whakamana i Te Tiriti o Waitangi me te Rautaki Oranga o te Tamaiti me te Taiohi.

I roto i te horopaki matihiko, e whakarāpopotohia ana te aronga a te Kāwanatanga i roto i te Rautaki Matihiko mō Aotearoa, te Rautaki mō tētahi Ratonga Tūmatanui Matihiko, me ngā ara mahi hāngai maha. E whakamārama ana te hoahoa e whai ake i ngā kaupapa matua hira me ngā rautaki mātauranga, kāwanatanga hoki.¹¹

¹¹ Āpitianga 4 - Ngā Tohutoro

Te ao rautaki

Te Tiriti o Waitangi

Ngā rautaki me ngā kaupapa matua a te Kāwanatanga e whakamōhio ana/ārahi ana i te kaupapa mātauranga

E whakarārangi ana Te Rautaki Matihiko mō Aotearoa i ngā rautaki me ngā kaupapa a te kāwanatanga neke atu i te 50 i tēnei wāhi.

Rautaki Oranga o te Tamaiti me te Taiohi

Kei te iho ngā tamariki me ngā taiohi. Te takahuri i te āhua o te mahi tahi a te Minita me ngā tari hei whakapai ake i te roanga o ngā tamariki me ngā taiohi.

Matakitenga Pūnaha Mātauranga

Whakamaui te pae tata kina tina. Whāia te pae tawhiti kia tata.

Ngā Kaupapa Matua ā-Motu mō te Mātauranga me te Ako me te Rautaki Mātauranga Matua

Hangaia ngā taiao ā-ākongā e nui ake ai ngā ākongā kei te angitu, otirā ngā mea Māori me ō Te Moananui-a-Kiwa.

Mahere Mahi Akoranga Kōhungahunga

Kounga o te akoranga kōhungahunga, te whakapai ake i te kounga me te whakamana i te kōwhiringa kia taea ai e ngā tamariki te ako me te momoho. Hangaia he ara akoranga ki te kura.

Whakahou Anō i te Marautanga ā-Motu

Te whakarite ka whai wāhi atu ngā ākongā katoa ki ngā akoranga rangatira me te urupare mā: Tētahi Marautanga o Aotearoa kua whakahoutia e whakahōnore i ō mātau paiherenga ki Te Tiriti o Waitangi, he wairua manaaki, he mārāma he whaitake te ako, ā, he māmā te whakamahi mai i te tau 1 ki te tau 13. He hoahoa anō i Te Marautanga o Aotearoa e whakaata ana i tētahi marautanga ū ake ki te iwi taketake, e pūmau ana ki te ao Māori, i takea mai i te pou tarāwaho Te Tamaiti Hei Raukura.

Ngā Huringa ki Ngā Tiwhikete Paetae Mātauranga o Aotearoa

Te whakakaha i te NCEA, whakapai ake i te oranga, mana ōrite, pipiri, ara ki ngā mātauranga atu anō, te whai mahi me te tika.

Te Whakahou i te Mātauranga Ahumahinga (TEC)

Pūnaha mātauranga mahi kaha, kotahi, toitū e hāngai ana ki te anamata.

Ngā Tohu me te Aromatawai Anamata (NZQA)

Te Whakakitenga 2025.

Rautaki Whakauru ki te Mātauranga

Te turaki tauārai kia haumarū, kia mahi tahi, kia hāngai ngā wāhi ako mō ngā ākongā katoa.

Rautaki Reo Matatini me te Whakawhitiwhiti Kōrero

Ka ahuhau i tētahi pūnaha kura kōhungahunga me te kura kia pipiri e puta ai ngā putanga reo matatini me te whakawhitiwhiti kōrero me te pāngarau taumata tiketike mō ngā tamariki me ngā taiohi.

Hei Raukura Mō Te Mokopuna

Te whakakaha i te reo matatini me te pāngarau puta noa i ngā ara mātauranga Māori.

He Rautaki Mātauranga ā-Ao (ENZ)

Te whakarite e tautoko ana te mātauranga ā-ao ki tētahi mātauranga tiketike ā-ao o Aotearoa e puāwai ana, e tūhonohono ana ki te ao.

Mahere Mahi Tautoko Akoranga

Te whakarite ka anga whakamaui, ka eke ngā ākongā katoa i roto i ngā pūkenga taketake hira hei whakatutuki i ō rātau pūmanawa nohopuku i te kura me tō rātau ao.

Kura Kōhungahunga me te Kura | Pūrongo Ohu Mahi Kura

Kia mārāma ake te kitea me te mōhio ki te hiahia, te whakaratonga me ngā take kaha mō te ohu mahi kura kōhungahunga me te kura. Kei roto ko te tautuhi anō i ngā raraunga, te tātari me ngā kitenga e hira ai mō ngā tohutohu kaupapahere, kaupapahere whakahaere me te hoahoa.

Rautaki Arotakenga Rangahau Mātauranga me te Whanaketanga

He mahere 10 tau hei tautoko me te ārahi whakatau rangahau me te whanaketanga puta noa i ngā tari mātauranga hei whakatinana i te matakitenga me ngā kaupapa matua mātauranga a te Kāwanatanga.



Ako Tūhono: Te matihiko me Ngā Raraunga mō te Ako

He mahere 10 tau puta noa i ngā tari mātauranga hei āwhina i ngā ākongā me ngā kaiako kia momoho i te ao matihiko

Ka Hikitia

Ka neke te pūnaha i roto i te mātauranga hei tautoko i ngā ākongā Māori me ō rātau whānau, hapū, iwi hoki kia tutuki ai ngā putanga hiranga me te ōrite. Te hanga whai wāhitanga hei tautoko i ngā kōrero paetata, e hira ana kia mārāma ai ki ngā tirohanga maha.

Tau Mai Te Reo

E tautoko ana te rautaki reo Māori i te tuakiri, reo me te ahurea i roto i ngā akoranga. Ko ngā ākongā me ngā whānau kei te iho, ko te ao Māori me te reo Māori te tūāpapa.

Te Rautaki Hauātanga o Aotearoa

Kei te whai wāhi atu te hunga hauā ki te mātauranga hiranga hei whakatutuki i ō rātau pūmanawa nohopuku. Kei te eke i te wāhi akoranga mahi tahi, ngā pūnaha me te marautanga ngā matea ako o te ākongā me te tuitui taura here me ngā whānau.

Mahere Mahi mō Te Mātauranga Te Moananui-a-Kiwa

E haumarū ana, e kaingākauria, e whai kaha ngā ākongā rerekē o Te Moananui-a-Kiwa me ō rātau whānau ki te whakatutuki i ō rātau tūmanako mātauranga. Kei te eke i ngā wāhi akoranga mahi tahi, ngā pūnaha me te marautanga ngā matea ako o te ākongā me te tuitui taura here me ngā hapori.

Te matawhānui

He tōtoru te matawhānui, te uaratanga
o te rautaki:



Ka momoho ngā ākonga me ngā kaiwhakaako – te noho, ako me te mahi – i te ao matihiko

He matatau te tangata ki te matihiko me ngā raraunga, e tautoko ana i te tipu o te tangata, te hāpori, me Aotearoa

Ka tino whai hua ngā ako, whakaako, aromatawai me te rangahau i te whakamahi raraunga me te matihiko

Ngā pūtake

I hangaia te rautaki mai i ngā
pūtake e toru:



Te Tiriti

Mā te whakamana i Te Tiriti o Waitangi ka here i te rautaki, mō te painga o ngā tāngata katoa o Aotearoa.

E tautoko ana mātau i te paiherenga o te Rautaki Matihiko mō Aotearoa:

Ko te tikanga me pono te Māori ka āta whakamaruhia ō rātau mōhiotanga ahurea, pānga hoki i roto i ngā tauwhitinga matihiko.¹²

Ka mahi tahi mātau me te Māori ki te hanga aronga e tika ai mō ngā ākonga, ngā kaiako me ngā whānau katoa, e whakamana ana i Te Tiriti o Waitangi me ōna mātāpono:

E kīia ana ko te mahi a Te Tiriti i roto i te mātauranga he pātuitanga, he whai wāhitanga me te whakamaru.

Kei roto i te pātuitanga ko te mahi tahi me te Māori ki te waihanga tikanga, ngā kaupapa matua me ngā rautaki mō te mātauranga Māori. E whakatenatena ana te whai wāhitanga i te whai wāhitanga o te Māori i roto i ngā kaupapa i ngā taumata katoa o te mātauranga. E kōrero ana te whakamaru mō te uara o ngā mōhiotanga Māori, ngā tirohanga, te reo, te ahurea me ētahi atu taonga.

Hei tauira, mai i tētahi tirohanga ao Māori, ka tohe ētahi ko ngā raraunga ka kohia e ngā kaiwhakarato me ngā tari mātauranga kāore i te ū ki ngā hiahia o ngā hapori. Ka kohia hei whakatutuki i ngā hiahia o te kāwanatanga, o ngā kaiwhakarato rānei. Ko tētahi tauira ko te aroturuki i ngā taumata reo Māori o ngā ākonga i ngā wāhi auau puta noa i te mātauranga. Ka hiahia ētahi iwi i ngā inenga tauwhāiti ake o te matatau i tō rātau ake reo.

Ka puta i ngā pūkete raraunga e puritia ana e mātau mō te taetae atu tētahi atu tauira. Mō ngā tangi, ētahi atu āhuetanga ahurea hira, ka tuhia te ngaronga kei te ngaro mai i ngā akoranga engari mō te āhuetanga ki ngā akoranga ahurea, te mārama rānei ki te reo me te tuakiri, he wheako hira ēnei.

Otirā, me pēhea tā tātau whakamāori, tātari raraunga rānei? Kei reira ētahi kaitātari raraunga he tirohanga Māori ā rātau me te mōhio me ngā wheako ao tūturu o ngā āhuetanga maha e uru ai te Māori. Ahakoa ka taea e ētahi atu kaitātari te whakaahua ngā ia taumata teitei me ngā tauanga whakarāpopototanga, e whāiti ana ō rātau kaha ki te ruku ki te pūtake taketake me ngā pānga ki ngā whānau, ngā hapū me ngā iwi.

Mā te whakapai ake i te urunga ki ngā raraunga me ngā tirohanga mā ngā ara matihiko ka taea te tautoko ngā ākonga me ō rātau whānau ki te whakaatu kahawhiri mō ā rātau akoranga. Ka taea e ngā hangarau matihiko te whakamana ngā aronga akoranga mahi tahi, te whakaheke i

¹²[Te Rautaki Matihiko mō Aotearoa](#)



ngā tauārai i waenga i ngā kura kōhungahunga, ngā kura, ngā peka wānanga, ngā whānau me ngā hapori.

Kei te hangaia e te Kāwanatanga tētahi aronga “mana ki te mana” hei whakakaha i ngā hononga Māori-Karauna i roto i ngā horopaki matihiko me ngā raraunga, tae atu ki ngā tikanga i whakaaetia hei kōrerorero tahi ki te Kaiārahi Matihiko Matua a te Kāwanatanga me te hōpara i ngā take mana whakahaere raraunga mā te Rautaki mō tētahi Ratonga Tūmatanui Matihiko.

I te taha o te Māori, kei te tūhura ngā tari mātauranga i ngā whai wāhitanga matihiko mō te mātauranga o ngā iwi – e toro ana i ngā iwi e tuarhia ana, e tautoko ana i te whai me te pūmau o te reo Māori. He maha ngā tauira o te mahi ngātahi me ngā iwi mō te marautanga me ngā kaupapa mātauranga e whakamahi ana i te matihiko hei whakatutuki i ngā tūmanako mātauranga: mā te Māori mō te Māori.

Mana Ōrite

Ka taea e ngā ratonga matihiko me ngā raraunga te āwhina ngā ākongā katoa me ngā whānau, ngā kaiwhakaako me ngā kaiwhakarato, kia momoho.

E whakarārangi ana te Rautaki Matihiko mō Aotearoa i tētahi matakitenga o ngā tāngata katoa o Aotearoa kua whai hua i ngā whai wāhitanga matihiko. Ko te kaupapa o te mahi tahi, e matakite ana i tētahi iwi whānui matihiko mahi tahi, e whai kiko ai ngā tāngata katoa o Aotearoa me te whai kaha me te whai wāhi ki te tūhono ki ō rātau whānau me ō rātau hapori, te whakapuaki i ō rātau tuakiri ahurea, te mahi me te uru ki ngā ratonga kāwanatanga mahi tahi.

He tino hira tēnei mō ngā hapori e kitea ai te kore ōrite o te matihiko – ko te Māori me ngā iwi o Te Moananui-a-Kiwa¹³, te hunga kaumātua, hauā, ngā hapori mātāwaka me ngā kaiheke hou ki Aotearoa ngā mea ka tino whai pānga.

Me āwhina te mātauranga i te tangata ki te whai pūkenga, kia mātau ngā kirirarau ki te matihiko, he matatau me te haumarua ki te whakarite i ngā whai wāhitanga me ngā hiahia tuihono, he urutau ki ngā taiao matihiko hou, ngā utauta me ngā pūnaha.

Ka rapu ētahi tangata me te whai pūkenga ao rorohiko kia taea e rātau te mahi me te whaihua i roto i te rāngai hangarau me ngā pakihi ā-hangarau, e nui ai te hiahia ki ngā tāngata whai pūkenga. E tautuhia ana tēnei motuhaketanga hei pūtaka hira o te tipu me te whakawhānui i te ōhanga o Aotearoa.

Me whakatipu ngā kaupapa matihiko i te mana ōrite, kia kaua e nui ake te manarite-kore. Me noho te whāinga o te mahi tahi ki te pokapū o te hoahoa, te whanaketanga me te whakaratonga o ngā aronga matihiko me ngā raraunga. Kei roto i te hoahoa mō ngā ākongā hauā, iokanorau hoki he tino urupare ki ngā tauārai hei mahi tuatahi, ehara i te aweretanga.

Nā ngā wheako o te KOWHEORI-19 ko ngā whakapātaritari o te mate urutā mō te whakatutuki i te mana ōrite matihiko. Nā te tere o te neke ki ngā akoranga momorua, hanumi, ngā akoranga tuihono me te tawhiti i tino hē kē atu ngā rerekētanga mauroa, otirā mō te uru ki ngā akoranga mai i te kāinga.¹⁴

Ka whakaarohia e ēnei āhuetanga ngā raru matatini, tae atu ki te uru ki ngā pūrere me te tūhononga, te utu ngāwari me te kaha. Kei roto ngā otinga i tētahi aronga whānui ake, tūhonohono, me te mārama o te Kāwanatanga me te iwi whānui, ki ngā take tae atu ki te tuku pūtea, te takohanga me te āheinga, ā, he roa te wā ki te whakatutuki i tēnei.

Ka mahi tahi ngā tari me ngā pātui puta noa i te kāwanatanga, me ngā kaiwhakarato mātauranga, ngā iwi, ngā iwi o Te Moananui-a-Kiwa, ngā hapori me ngā pakihi mō ngā aronga wā roa, toitū hei whakapai ake i te mana ōrite.

¹³ [Te Mahere Mahi mō Te Mātauranga Te Moananui-a-Kiwa 2020-2030](#)

¹⁴ [Āpitianga 4 - Ngā Tohutoro](#)



Te mahi ngātahi a ngā tari

Mā te tautuhi i ngā whāinga wā roa me ngā putanga, ngā tari mātauranga ka āwhina i ngā kaiwhakaako, ngā ākonga me ngā kaiwhakarato kia whiwhi i ngā painga o te matihiko me ngā raraunga.

He kawenga ake ō ngā tari mātauranga mō ngā wāhanga rerekē o te rāngai mātauranga. He pūkenga me te takohanga rerekē ō mātau. I a tātau katoa e aro ana ki ō tātau wāhi takohanga, e mōhio ana tātau ko ngā uauatanga me ngā whai wāhitanga hurihuri o te matihiko me ngā raraunga ka whai pānga ki te rāngai whānui. Ina tika ana, ka tautuhia e mātau ngā wāhi e arotahi ngātahitia ana.

Ka mahi tahi mātau me ngā pātui puta noa i te kāwanatanga kia ara ake ki mua ko ngā hiahia mātauranga.

Kei roto anō ko te mahi tahi me ngā rōpū hapori tae atu ki te Māori, ngā iwi Moananui-a-Kiwa, ngā kaiheke hou, ngā rōpū tuawhenua, te hunga iokanorau me te hauā hei whakarite ka taea e te katoa ngā aronga me ngā utauta matihiko, ā, i hangaia hei whakatutuki i ō rātau hiahia.

I te mea he maha ngā tari kei roto i tēnei rautaki e mahi ana me ā rātau ake whakaritenga mana whakahaere me ngā wehenga tahua, e marohi ana i ngā ahunga me ngā putanga i whakaaetia kua ngā rārangi mahi kua tūtohua kētia.

I te whakatinanatanga o te rautaki, ka hangaia e ngā tari hira, te Tāhuhu, te NZQA, me TEC tētahi mahere mahi o ngā mahi me ngā kaupapa matua. Ka whakamahia e ētahi atu tari, hinonga hoki i roto i te whānau mātauranga te rautaki hei whakamōhio me te ārahi i ā rātau mahere.

Ka mahi ngātahi ngā tari kia pipiri ai me te ārahi i te rāngai mātauranga.

Te aronui

E whakaaturia ana ngā mahi a te rautaki i te aronui, ngā wāhi arotahi, mō ngā tari: tūhononga, paiherenga me te kaha. I roto i ia wāhi arotahi, ka tautuhia ngā mahi hira.



Tūhononga

Te whakawhānui atu i ngā tūāpapa

E whakaatu ana ēnei mahi i ngā mahi taketake; te ao Māori i roto i te hoahoa matihiko, te whakamahi raraunga kia whaitake ai, me ngā ratonga matihiko haumaruru me te whaitake.



Te ao Māori i roto i te hoahoa matihiko

Ka whiria tahitia e tātau ngā tirohanga me te mana o te matihiko me ngā raraunga.

Ka taea e te ao Māori te whakarangatira ngā taiao matihiko, me ngā painga mō ngā ākonga katoa. Ka tukuna e ngā aronga matihiko ngā tikanga hou hei whakatutuki i tēnei.

E hāpai ana, e tautoko ana te mātauranga i ngā taumata katoa i ngā tirohanga o te ao Māori.

Ka whakarato ngā kaupapa matihiko i ngā whai wāhitanga maha kia mahi ngātahi me te Māori ki te ahuhau i te mātauranga. Kua kitea kētia te pūmanawa nohopuku o te matihiko ki te



[Whiwhi mōhio](#) anō mō te āhua o te pānga o te ao Māori ki tētahi ao matihiko mariko mō ngā ākonga tūri i te Marae o Rūaumoko

tautoko i te mātauranga Māori me te anga whakamua i te reo Māori. Kei reira te whānuitanga ki te whakaputa i ēnei whai wāhitanga ki ngā ākonga maha atu.

He pānga taketake tō ngā whānau, ngā hapū me ngā iwi i roto i te mātauranga me ngā putanga mātauranga mō ngā ākonga. Mō ngā iwi me ngā hapū, mā ngā tikanga o te hapū me te iwi e whakatau he aha ngā tikanga pai rawa i roto i ngā horopaki matihiko.

Ina whakamahi ana i ngā utauta ā-ao me ngā pūhara e rapu ana ngā tari mātauranga hei tuku whai wāhitanga mō te ao Māori, e ū ana ki te pātuitanga me Te Tiriti.

Ka taea e ngā hangarau i hoahoatia ngātahitia te whakatuwhera kūaha, te whakarei ake i ngā reo me ngā tirohanga a te hunga kāore i te tiakina e te pūnaha mātauranga.

Ka whakaae ngā tari ki ngā tukanga hei whakaū i te ao Māori i roto i te hoahoa matihiko me te whakaratonga.



Te whakamahi raraunga kia whaitake ai

Ka taea e te pūnaha raraunga pono ko te ahuhahu i te mātauranga mō ngā tāngata, ngā whānau me ngā whakahaere mātauranga me te whakapai ake i te pūnaha whānui.

E āhukahuka ana Te Rautaki Matihiko mō Aotearoa me te Rautaki Raraunga me te Mahere Ara a te Kāwanatanga¹⁵ he mea taketake te mahi tika mō te wete mai i te uara mai i ngā raraunga. Kia pūmau tonu ai te mahi tika, me mātua whakarite i te kohinga raraunga matatika me te tōtika, te whakamaru me te whakamahi, te whiriwhiri kaupapa pērā i te mana raraunga, tuakiri me te kaitiaki takohanga.

Ka āwhina ngā raraunga mātauranga ki te whakarato i ngā putanga pai ake i te taumata ākonga takitahi, whānau, kaiwhakarato me te pūnaha mātauranga. Ka kohia e ngā kaiwhakarato mātauranga me ngā tari mātauranga kāwanatanga ngā raraunga mō ā rātau ākonga; tō rātau taetae atu, te anga whakamua me ngā tohu.

I te taumata kaiwhakarato paetata, ka taea e ngā raraunga mātauranga te ahuhahu ngā tukunga mātauranga me te urupare ki ngā hiahia me ngā āhuratanga o te hāpori, ngā iwi me ngā hapū.

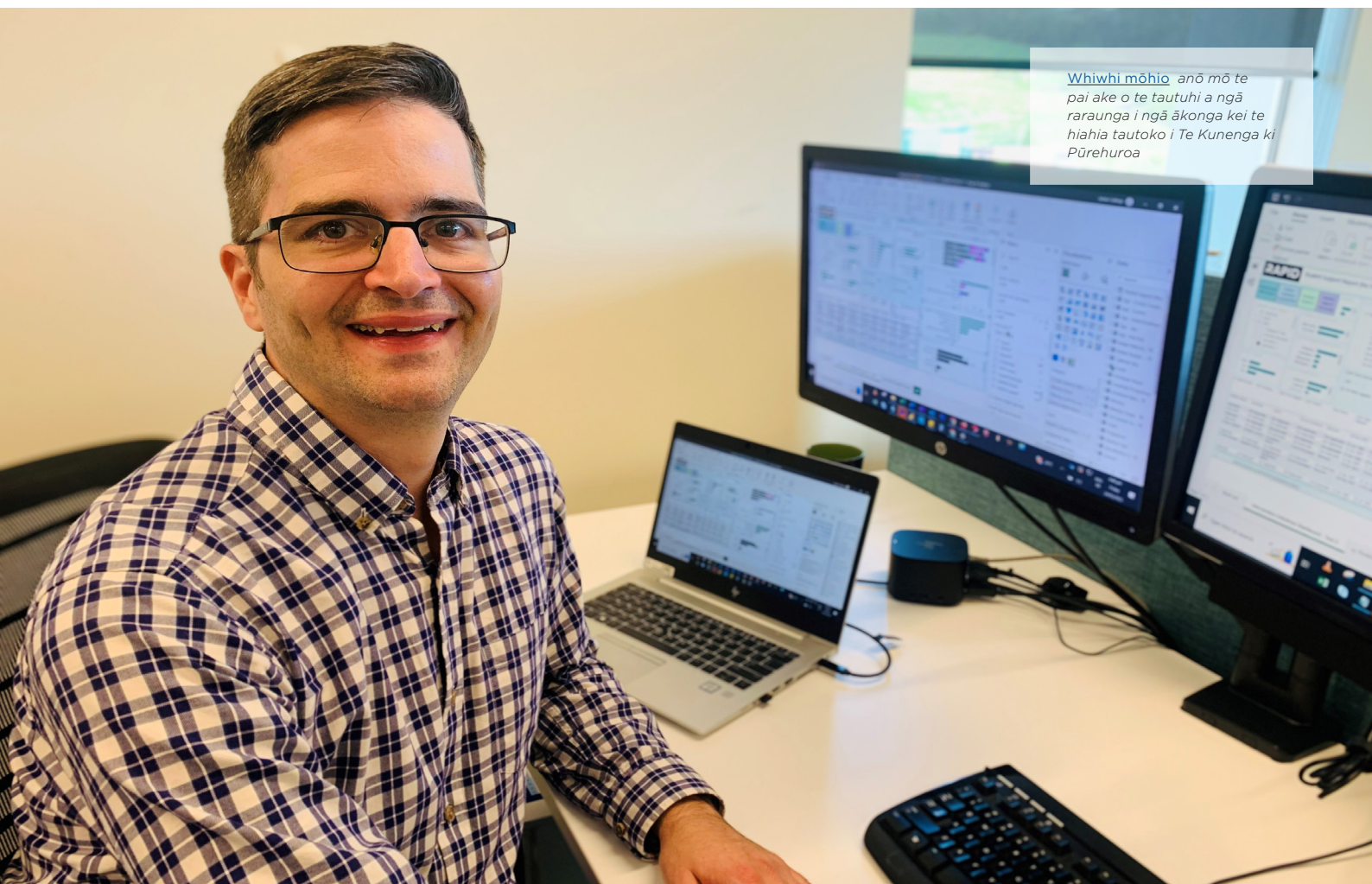
¹⁵ [Te Rautaki Raraunga a te Kāwanatanga me te Mahere Ara](#)

Ka taea e te whakamahi raraunga i te wā tika te tautuhi ngā hiahia o ngā ākonga e ara ake ana me te whakamōhio i te hoahoa akoranga hei whakaata i te horopaki whānui me te wheako o ngā ākonga me ngā whānau.

Ko te tūmanako ka māmā te neke haere a ngā ākonga i waenga whakahaere me te wāhi mahi, e tautokona ana e ngā tikanga tuihono, hanumi, momorua me te akoranga tawhiti me ngā kaiwhakaako matatau e whai ana i ngā putanga rawe mō ngā ākonga katoa. Ko tā ngā ākonga he tūmanako ka taea te hanga me te kawē whakaaturanga me rātau mō ā rātau ake akoranga mā ngā tikanga rerekē i a rātau e anga whakamua.

Ka taea te whakamahi ngā raraunga hei tuku whakatau i runga i te mōhio mō ētahi atu mātauranga me ngā ara. Nā tērā, he mea hira te āhei atu o te ākonga ki āna ake raraunga, e whai ana i tōna ara mātauranga.

I te taumata pūnaha tōpū, e whakarato ana ngā raraunga kirimuna kua whakahiatohia i ngā māramatanga mō te tohanga rautaki o ngā rauemi me te hoahoa pūnaha. Kia tutuki ai tēnei i runga i te mana ōrite me whai kaitātari mātau e mōhio ana ki ngā tikanga me te mārāma ki ngā āhuatanga ahurei e whai pānga ana ki te Māori me ngā iwi o Te Moananui-a-Kiwa, ngā kaiheke hou, ngā rōpū tuawhenua, te hunga iokanorau me te hauā.



[Whiwhi mōhio](#) anō mō te pai ake o te tautuhi a ngā raraunga i ngā ākonga kei te hiahia tautoko i Te Kunenga ki Pūrehuroa

Kei te whakahoutia ngā mātāpono me ngā aronga i roto i te anga raraunga mātauranga hei ārahi i te whakamahinga o ngā raraunga i roto i te mātauranga me te whakarite i ngā whai wāhitanga e tipu haere ana hei whakaputa i ngā mōhiohio me ngā tirohanga kirimuna mō ngā tāngata, ngā rōpū, ngā hapori, ngā whakahaere mātauranga hoki/rānei.

He mea taketake ngā raraunga e tuari haumarutia ana mō te hoahoa me te mahi a te pūnaha mātauranga, mā te whakamahi i ngā kaiwhakarato, ngā pūhara me ngā ratonga pono.

E hāpaitia ana te hiahia ki te tuari, te pātui tahi me te whakamahi i ngā raraunga mātauranga e te pono, te ngākau titikaha, te kaha me te whai wāhitanga. Kia taea ai tērā, me mārama, me ōrite, me pūrangiaho tātau mō te kaupapa me te whakamahinga.

Ko ngā ture mō te whakamahi matatika me te tōtika i ngā raraunga ka whakatūria mā te ture, ngā anga, ngā aratohu me ngā paerewa kia tau ai ngā kaiwhakawhanake me ngā kaiwhakamahi i ngā raraunga me te whakamaru i ngā tika o te hunga nā rātau ngā raraunga. Me whakaata te anga raraunga mātauranga i ngā hiahia raraunga o ngā kaiwhakamahi katoa, tae atu ki ngā ākongā Māori, ngā whānau me ngā iwi.

E hiahiatia ana te whanaketanga kaupapahere pūmau hei whakarite i ngā pānga raraunga o ngā wāhi pērā i te atamai hangahanga, te ako ā-mīhini me te whakawhanake pūtaiao raraunga.

Arotahi mā te Tari

Tuakiri matihiko

Mā te tuakiri matihiko haumarū mō ngā ākonga, ngā whānau, ngā kaiwhakaako me ngā kaiwhakahaere tari ka āhei atu ki roto i te pūnaha mātauranga whānui, te wete mai i ngā āheinga, me te whakapiki i te whaitake o te pūnaha. Kei roto i tēnei ko te mārama me te mōhio ki ngā aronga katoa a te kāwanatanga mō te whakatūturu taipitopito tuakiri.

He anga raraunga mō te pūnaha mātauranga whānui

Mā tētahi anga raraunga pūnaha mātauranga whānui ngātahi ka taea te kohinga tūturu, tuari haumarū me te whakamahi raraunga i te taumata-pūnaha hei whakamōhio i ngā whakatau tikanga a te tangata, kaiwhakarato me te taumata-pūnaha. I tēnei wā e puritia ana ngā raraunga mā ngā tikanga rerekē, kore ōrite kāore nei i te māmā ki te uru atu, te tuari rānei.

Ka tautoko te anga i ngā whakatau mana raraunga, ngā tika rangatiratanga, te kohinga, te tuari me te whakamahi raraunga, te whakatipu i te pono me te tuku mōhiohio me te kahawhiri mā ngā ākonga, ngā kaiwhakaako, te mātauranga me ngā kaiwhakarato EdTech me ngā kaihanga kaupapahere. Ka pai ake ngā mōhiohio mā ngā ākonga me ngā whānau hei tautoko i ngā whakatau tikanga. Ka āhei atu ngā kaiwhakahaere me ngā kaihanga kaupapahere ki ngā kitenga raraunga hei ārahi i te tohanga o ngā rauemi me te whakatau i ngā kaupapa matua.

I roto i taua pou tarāwaho, ka hoahoatia he pūkete akoranga hei whai haere i te ākonga me tōna whānau, e tuku mōhiohio ai me ngā kitenga hei hāpai i ngā whakatau mātauranga. I te taha o te tuakiri matihiko haumarū, ka whakatipu te pou tarāwaho raraunga i te pono me te āhuetanga whaikiko – e noho ai te ākonga me tōna whānau ki te pū o ngā whakatau tikanga mātauranga.



Ngā ratonga matihiko haumaruru me te whaitake

E taea ana ngā otinga matihiko ā-anamata, me te rere pai me te utu ngāwari.

He maha ngā rōpū kei roto i te pūnaha mātauranga – tata ki te 5,000 ngā kura kōhungahunga me ngā kōhanga reo, tata ki te 2,500 ngā kura (ngā kura tūmatanui, tūmataiti me ngā kura tāuke tuatahi, takawaenga, hiato, tuarua hoki), ngā whare wānanga e waru, ngā wānanga e toru, Te Pūkenga me ngā whakahaere mātauranga matua me ngā whare whakangungu motuhake tae atu ki ngā whakahaere mātauranga matua, hei tauira a Ohu Mahi (e nui ake ai te reo o ngā ahumahi i roto i te pūnaha mātauranga ahumahinga hei whakarite ka whakatutukihia ō rātau hiahia ohu mahi anamata).

He kaha te kanorau, te whakahaere-whaiaro me te motuhaketanga o te rāngai; ka taea te whakauaua anō me te tāpiri utu ki ngā aronga matihiko.

Ka nui ake te tūmanako o ngā ākonga, ngā whānau, ngā hapori me ngā kaiwhakarato ka māmā te neke haere i te pūnaha mātauranga. Ka āwhina te kaiārahitanga, tohutohu me ngā pūnaha me ngā paerewa ka whakaaetia.

Whiwhi mōhio anō he pēhea te whakahihiri whakaaro pohewa o ngā ākonga o Te Kura Kōhine o Ōtākaro i te whakatipu i ngā pūkenga matihiko o ngā kaiako



He āhuetanga taketake te tūāhanga me ngā ratonga tautoko e hāpai ana i te angitu, i te hē rānei o ngā whakanōhanga mātauranga:

Ko te tūāhanga me ngā whakahaere ngā āhuetanga whakamana e whakaheke ana i ngā tauārai mō te whakatinana, te huawaere i te whai wāhitanga mai, me te tautoko i te whakawhānui ake me te tautīnei i ngā hangarau mātauranga hou. Kei roto i ēnei āhuetanga ko ngā rauemi ōkiko, te tūhonohono ipurangi aunui, ngā pūrere mamao a ngā ākongā me te tūhonohono, te pūmanawa tangata, ngā whakatakotoranga pūnaha, ngā kaupapahere whakahaere me ngā pūtea.¹⁶

He tari IT ō ētahi whakahaere mātauranga hei tautiaki me te hanga ratonga. E whakawhirinaki ana ētahi ki ngā tautoko mātanga kirimana. Ka whai ētahi atu i ngā kaimahi harangotengote tokoiti, ngā kaimahi whakaako me te tautoko e mātau ana ki ngā kaupapa ao rorohiko.

Me kī he umanga IT motuhake katoa ērā e mahi ana mā ngā kaiwhakamahi mai i ētahi noa iho tae atu ki te mano tini. I raro i te āhuetanga pakihī, he rite tēnei ki te umanga rangatōpū matawhānui: mai i te iti ki te wawaenga ki te nui.

E whakarato ana te hangarau i ngā hua me ngā ratonga rerekē ki ngā whakahaere mātauranga hei tautoko i ā rātau mahi. Engari, he uua pea ngā kōwhiringa, ā, ka tukuna ngā whakatau i ngā taumata maha puta noa i ia whakahaere me te pūnaha mātauranga.

Kei roto i ngā hangarau e tautoko ana i ngā whakahaere mātauranga ko ngā otinga hoko noa, ngā hua kaipupuri, me ngā ratonga me ngā otinga mai i ngā kaiwhakarato ā-motu me ngā kaiwhakarato umanga nui ā-ao. Kei te uua haere te tiaki i te ao rorohiko i roto i tētahi whakahaere mātauranga, ā, he nui te utu.

Ka whakahaerehia e ngā whakahaere mātauranga katoa ngā pūnaha whakahaere ākongā me ngā tūmomo taumata o te uauatanga. Ko te nuinga he whakahaere i ngā pūnaha whakahaere pūtea. He maha rātau e whakahaere ana i ngā pūnaha whare pukapuka, ngā pūnaha whakahaere akoranga me te rangahau, me ngā pūnaha pūmanawa tangata.

Kei te nui haere te toro atu ki ngā hāpori ākongā, ngā whānau me ngā ākongā tawhito mā te matihiko, mā ngā paetukutuku, patowaea me te īmēra, te pāpāho pāpori rānei.

He maha ngā whakahaere e tuku tuihono ana i ngā tomokanga me ngā ratonga. Kei te nui haere te tuku ihirangi me ngā akomanga, akoranga rānei mā te ākongā i runga ipurangi. Kua tino rerekē haere tēnei mai i te tau 2020 me te aratanga ake o te KOWHEORI-19.

Ka whakarite ngā whakahaere mātauranga i ngā take tūmataiti, whakahaere mōhiohio, me te haumarū whānui o ngā mōhiohio tuihono me te wheako. I ngā wāhi taketake pērā i te whakahaere kupuhipa, te motuhēhēnga tuakiri me te urutanga ki ngā mōhiohio mō ngā kaiwhakamahi tōtika katoa, me nui haere ngā pūkenga e hiahiaitia ana mō te hangarau, e tautokona ana e ngā hoahoa matatau me te mana whakahaere.

¹⁶University of Virginia. 2021. [The EdTech Genome Project](#)

Ko ngā wāhi pērā i ngā pūnaha me te kaha o te whakamahia i waenga tari kei te āta tiro tirohia. Kei reira tētahi taukumekume i waenga i te tino rangatiratanga o ngā rohe me te mana whakahaere o te kāwanatanga me te whakarato ratonga.

E tohu ana ngā huringa hangarau pērā i te taurima kapua me te pikinga mai o ngā whakamōrea ipurangi, i ngā aronga pipiri ake, honohono ake, me te whakahaere ratonga e whakauru mai ana i ngā paerewa me ngā anga kua whakaaetia, me te mōhio anō mō te mātauranga herekore me te rangatiratanga motuhake ā-whakanōhanga.

[Whiwhi mōhio](#) anō mō te pai ake o te tautuhi a ngā raraunga i ngā ākonga kei te hiahia tautoko i Te Kunenga ki Pūrehuroa



Arotahi ma te Tari

Nga tautoko a ICT mā ngā kura

Kei te whakaritea tētahi rārangi mahi i roto o Te Tāhuhu o te Mātauranga hei whakapai ake i te kounga me te haumarua o ngā hangarau matihiko i roto i ngā kura.¹⁷ Ka mahi mō tētahi pūnaha haumarua ake, maru ake, e tūhono ana ki te pūnaha mātauranga i hangaia kia noho ko ngā hiahia o ngā ākonga, me ō rātau mātua, whānau hoki ki waenganui pū.

- kia pai ake te whakamaru i ngā pūnaha matihiko o ngā kura mai i ngā whakaeke ā-ipurangi me te takahi i te tūmataitinga.
- hei aromatawai i ngā tūmomo tauira mō te tuku ratonga matihiko ki ngā kura.
- te whai i tētahi aronga pūnaha matawhānui hei whakarite kia pipiri te pūnaha, kia tū pakari, kia taea te whakawhānui, kia toitū ano hoki.

Kei roto i ngā ara mahi hira ko ngā pūnaha whai kiko me te whakahaerenga ākonga pono he haumarua me te hāngai mō te kaupapa; e māmā ai te toro i ngā ratonga matihiko kua whakaūngia te kounga me ngā tautoko matihiko i te wā tika; e whakamāmā ana me te whakahaumarua i tā ngā kaiako, ngā ākonga, ngā mātua me ngā whānau uru atu ki ngā raraunga me ngā rauemi.

Haumarutanga Ipurangi

Me kaha ngā ākonga, ngā whānau me ngā kaiwhakaako ki te whirinaki ki ngā ratonga matihiko ka whakamahia e rātau me te whai mōhiotanga matihiko, mātau ā-reo matihiko, matatau matihiko me te whai kaha ki te whakahaere mōrea. Kei te whakatinanahia tētahi rārangi mahi, kei roto ko te rāngai kura kōhungahunga, ngā kura me ngā kaiwhakarato mātauranga matua hei whakarite i ngā mōrea ipurangi inamata me te anamata me te whakapai ake i te haumarutanga me te arokā.

¹⁷ Te haumarutanga ipurangi i roto i ngā kura

¹⁸ Wenmoth. 2020. [Kahawhiri Matihiko](#)

Paiherenga

Te āhua o tā mātau mahi

E arotahi ana tēnei wāhi ki ngā āhuatanga e mahi tahi ai ngā tari ki te whakarato i te rautaki i roto i tētahi taiao matatini o ngā kaupapa matua whakataetae; kia whānui, kia whaitake te kōrerorero tahi, me te whakaatu i te kaiārahitanga aronga anamata.



Kia whānui, kia whaitake te kōrerorero tahi

Ka mahi tahi mātau me te tokomaha puta noa i te rāngai, otirā kia pipiri ai me te ārahi – tae atu ki ngā kaiwhakarato mātauranga, ngā iwi, ngā kaiwhakarato hangarau, ngā pakihi me ngā hapori.

Me whai ngā aronga matihiko pai rawa i ngā takoha mai i ngā kaiwhakauru kanorau, te whakamana me te whakatenatena i te auahatanga. Kei reira te hiahia ki te mahi ngātahi me ngā hapori, ngā iwi, ngā ākonga, ngā kaiako, EdTech, me ngā tari kāwanatanga whānui.

Ka taea ngā whakaaro pai, ngā aronga hou me ngā nekehanga takahuritanga te taka mai i ngā wāhi katoa. He mea nui te whakamahere ā-motu. He pērā anō ngā otinga hapori ki ngā take ā-rohe.

Mā ngā hua me ngā ratonga i hangaia paetatatia ka mārama me te mōhio ki ngā tikanga o te ao Māori me ngā wawata o te hapori mā ngā āhuatanga e tino ū ana ki ngā hiahia ā-rohe.

[Whiwhi mōhio](#) anō mō te takahuri a ngā mahi tahi hangarau i te ako me ngā whai wāhitanga i Te Ara Poutama Alternative Education Centre





Kaiārahitanga aronga anamata

He painga ō ngā ia me ngā hangarau e ara ake ana mō te ako me te whakaako, mā te tohunga o te tiroiro, whakamahere me te whakamātautau.

He mea taketake te kaiārahi matihiko i roto i ngā akoranga, whakaako, aromatawai me te rangahau nā te uua me te tere o te hurihuri o ngā wāhi matihiko. Ka mahi tahi ngā tari mātauranga me te rāngai hangarau me ētahi hunga whai pānga hei whakawhānui ake i ngā tirohanga me te āwhina i a rātau ki te whakatutuki i ngā hiahia e ara ake ana.

Kei te tere haere ake te hangarau. Kua tae mai te mahi rorohiko ā-kapua, whakawhiti raraunga me te rokiroki, ngā paerewa tuwhera, te whakaurunga o ngā pāpāho pāpori me ngā kōtuinga hapori ako. He pānga i nā tata nei o te Ipurangi o Ngā Mea, ngā pūreretā Ahu-3, pūmanawa hei ratonga, te anga whakamua o te whakawhatunga o te 5G.

He nui ngā akoranga o ngā hangarau pērā i ngā mātai karehiko, te ako ā-mīhini me te atamai hangahanga. I roto i ngā whai wāhitanga e matapaetia ana e tino hāngai ana ki te anamata o te mātauranga ko te tūhonohono whatutoto, atamai hangahanga hāngai, mahi rorohiko ā-kapua me te mahi rorohiko pātata ki te kaiwhakamahi, ngā hangarau tūturu manawarū, akoranga mīhini whakaahumahi, ngā hanganga pono me te tuakiri matihiko, Tukutuku3, te anamata o te pūkaha koiara me te anamata o ngā whakapetonga toitū.¹⁹

Ka puta i ngā huringa mātāmua ko ngā whai wāhitanga me ngā whakapātaritari nui. Ahakoa ka whakariterite ngā tari mātauranga mō ngā huringa, ka matawhāiti tā rātau whakaiti mōrea. Ko te kaiārahi whakaaro, te tautoko, me te tiro haere i ngā āhuetanga hei tautuhi i ngā whai wāhitanga o te motu me te ao, te whakatenatena i ngā rangahau me te whanaketanga, te whakatau i ngā paerewa matatika, te whakaū kounga me te whakahaere mōrea kei roto katoa i te kawenga o ngā tari.

Ina whakatakoto ana i te ahunga me te kaiārahitanga, ka taea e ngā tari kāwanatanga te hanga te taiao kia puāwai ai te wairua auaha whaitake, hei whakapai ake i ngā ratonga me ngā putanga mō ngā ākongā me ngā kaiwhakarato.

I te roanga o te hīkoi a te ākongā mai i te mātauranga kōhungahunga tae noa ki te puta o tōna ihu, ngā akoranga wāhi mahi hoki/rānei, ka whakaterere te ākongā i te huringa hangarau noa.

E tūmanako ana ngā ākongā me ngā kaiwhakarato mātauranga kia āhei atu ai ki ngā painga o ngā hangarau e ara ake ana. Waihoki, ko tā rātau e tūmanako ana kia whakahaerehia ngā mōrea.

He mea nui kia hangaia, kia tuarhia e mātau tētahi tirohanga rāngai whānui o te pūmanawa nohopuku matihiko, me tētahi aronga honohono hei tuku tohutohu me ngā kitenga, te tuku tohutohu mō te rāngai.

¹⁹He mea whakarāpopoto e te [McKinsey Technology Trends Outlook Report 2022](#)

He mea hanga ngā kōtuinga hou pērā i Te Mahau hei āwhina i Te Tāhuhu o te Mātauranga kia ū ake ki ngā hiahia paetata. Kei te ngana ngā tari mātauranga kia noho ū tonu ki ngā hiahia ā-rohe, ā-hapori. Ahakoa kei roto pea i ngā otinga ngā kaiwhakarato ā-ao, mā te pai o te hoahoa me te whakarato ka hāpaitia, ka whakatenatenatia ngā tikanga o te rohe.

I taua wā anō, me mātua mārama ngā tari ki te hiahia kia māmā ake te whakarato me te whai ratonga hei toro atu mā ngā kaiwhakarato hangarau ā-rohe, paku nei. Ka taea anō e te kāwanatanga te whakamahī ngā hua o te nui i roto i te whai utauta, pūhara me ngā ratonga e hiahiatia ana pea puta noa i te pūnaha mātauranga.

Ko ngā tūmomo tari kāwanatanga he wāhanga hira tō rātau i roto i te mātauranga ka whakauaua pea mō ētahi atu ki te toro atu. He maha ngā ara mahi matihiko me ngā raraunga puta noa i te mātauranga me whai i tētahi aronga taumata pūnaha, e mahi tahi nei ngā tari ki te whakarato.

[Whiwhi mōhio](#) anō mō te ako i tētahi ao mariko ka haumarū ake ngā kaitaraiwa taiohi o Aotearoa mā CoDriVR i Te Kura Tuarua o Waimate



Te ārahi

Hei kaitiaki i te pūnaha mātauranga, he wāhanga tō ngā tari mātauranga ki te hāpai i te rangahau me te auahatanga, kia taea ai te ārahi, te tuari rawa hinengaro, te tautoko i ngā mōhiotanga, me ngā kitenga i roto o Aotearoa, mā roto mai i ngā hononga ā-motu me tāwāhi.

He mea waiwai te kaiārahi matihiko tino honohono puta noa i ngā tari hei whakatutuki i ngā whakapaitanga ā-mātauranga me ngā takahuritanga e taea ai e ngā aronga matihiko.

Ka mahi ngātahi ngā tari ki te ārahi me te whakapūmau i te rāngai mātauranga.

I te whakatinanatanga o te rautaki, ka hangaia e ngā tari hira, te Tāhuhu, te NZQA, me TEC tētahi mahere mahi o ngā mahi me ngā kaupapa matua. Ka whakamahia e ngā tari whānui ake i roto i te whānau mātauranga te rautaki hei whakamōhio me te ārahi i ā rātau ake mahere.

Ko te mutunga atu pea o tēnei ko ngā kaupapa pērā i te whakatū i tētahi pūtahi hiranga matihiko i roto o Te Tāhuhu o te Mātauranga, ngā tari hāngai hoki/rānei.

Ka mahi mātau kia pipiri ai me te ārahi i te rāngai mātauranga.

I te taha o ētahi atu tūtohutanga o te rautaki e pā ana ki Te Tiriti me te ao Māori, me whakauru mai te poari whakahaere i ngā kanohi Māori hāngai.

Ka tino hira tētahi rōpū tohutohu ā-waho hei takawaenga i ngā whakaaro o te rāngai.

Kaha

Hei whakarato

Te whakawhānui ake i ngā paiherenga me ngā tikanga mahi, ko te otinga atu o ngā mahi katoa a ngā tari kia taea ai te takahuri ngā akoranga, whakaako, aromatawai me te rangahau.



Akoranga, whakaako, aromatawai me te rangahau kua takahuria

Ka taea te ako, whakaako, te aromatawai me te rangahau te takahuri mā te matihiko me ngā raraunga hei hiki i te oranga, te whakawhānui i ngā kaha, me te whakapai ake i ngā putanga akoranga.

Ka taea te whakarākei te ako, te whakaako, te aromatawai me te rangahau i ngā taumata katoa mā ngā aronga whakamahinga pai rawa o ngā matihiko me ngā raraunga tōtika.

Kei te mahi ngā tari mātauranga ki te whakarite kei roto i te mātauranga ko ngā pūkenga me whiwhi ngā ākonga kia momoho ai i te ao matihiko. Kei roto i tēnei ko ngā aronga ki te haumaruru me te oranga, te marautanga, te aromatawai me te rangahau me te whakatipu i te kaha o ngā kaiwhakaako

Kei reira tētahi aho matihiko hōhono, e rea haere ki ēnei wāhanga mahi katoa.



Whiwhi mōhio eanō mō te āhua o te whakawhānui a te mātauranga kōhungahunga, te ako mā te hangarau i ngā hinengaro tamariki i JustKidz Henderson

Haumaru me te oranga

Ka taea e ngā utauta me ngā aronga matihiko te whakatipu i te oranga, me te whakaruhi. Ko ngā tuma ko te tāhae, ngā mōrea haumarutanga ipurangi (tūturu me te whakapae), ngā mōhiohio horihori, parau, kino hoki (te tohatoha i ngā mōhiohio teka, whakakino me ngā whakapae koretake), ngā hangarau tino horihori, te whakaweti, he roa rawa i runga pūrere, he ngoikore ki te whakahaere i ngā uauatanga o te taiao tuihono.

He rerekē ngā painga me ngā mōrea o te matihiko ki tēnā, kī tēnā. Me whai mōhio, pūkenga ngā tāngata katoa me te tū pakari kia angitu ai i tētahi ao matihiko. Kei roto i tēnei ko te āhei atu ki ngā mōhiohio tika, ngā hononga pai, ahurea, me te reo tōtika. Ka rea haere ngā tikanga matihiko i runga i te marae, e ai ki ngā tikanga a ngā iwi me ngā hapū. Ko te tūmahi pūmau he whakapakari i te tangata kia taea ai te tiaki i a ia anō me tōna oranga, te tātari i ngā mōrea, ā, kia angitu te mahi i roto i te ao matihiko.

Ko tētahi wāhi haumaru me te maru hei ako, whakaako, aromatawai, te whakahaere rangahau rānei he rite anō te hira i runga ipurangi ki ngā wāhi mātauranga me roto akomanga. E tūmanako ana ngā kaiwhakaako, ngā ākonga me ngā whānau i tētahi pūnaha matihiko whānui e whirinakitia ana, ā, he haumaru. Kei roto i tēnei ko ngā pūnaha haumaru, ngā mōhiotanga me ngā whanonga ā-tangata tōtika, tae atu ki ngā tikanga kaupapahere, ture me te mana whakahaere.



Whiwhi mōhio, anō mō te pai ake o te tautoko a ngā whānau tino whai pūkenga i te mātauranga o ngā tamariki mā te kaupapa whakaurunga matihiko hapori ā-Kiwa a Digimatua

Mō te āhuetanga ki te tangata takitahi he mea nui kia whai kaha ngā kaiwhakaako ki te whakaako i ngā ākongā me pēhea te mahi kia haumarū i roto i ngā wāhi matihiko.

I te āhuetanga ā-whakahaere mō te haumarū me te oranga me whai ngā kaiwhakaako i ngā tikanga me ngā mōhio hei whakaiti i te mōrea, hei tauira, mai i te urunga raraunga poka noa, te uru tuihono pokanoa rānei ki roto i tētahi whakahaere. He uaua ake tēnei i roto i ngā tari mātauranga e whakamahi ana ngā ākongā i ā rātau ake pūrere.

Te hanga me te whakatinana i te marautanga kuranga, whakaakoranga i rō kura

Kei te hanga Te Tāhuhu o te Mātauranga ka whakaurua e ngā marautanga me ngā aronga tikanga ako hei whakauru i ngā āngā whakamua e hiahia ana mō ngā ākongā kia whai kaha ai ki te matihiko.

Hei tauira:

- Te Rautaki me te Mahere Mahi o te Reo Matatini me te Whakawhitiwhiti Kōrero me te Pāngarau hei whakamahi i roto i ngā horopaki matihiko me ngā mea pepa.
- Ngā rauemi kua whakamatihikotia i rawe te hoahoatia: ka taea e te katoa, māmā ki te wherawhera, whakamahi me te urutau; he mea hoahoa hei whakatutuki i ngā hiahia o ngā ākongā Māori me Te Moana-a-Kiwa, ngā ākongā hauā, iokanorau me ngā ākongā whai matea tauwhāiti.
- Ko ngā akoranga me te hoahoa marautanga kauawhi, me te whakarato i ngā pūkenga e hāngai pū ana ki te akoranga tuihono; otirā me pēhea te whakamahi i te matihiko mō ngā putanga akoranga pai rawa, ngā akoranga tawhiti, ngā āhuetanga akoranga me te rangahau hanumi me te momorua.

Aromatawai me ngā tikanga aromatawai

Me mātua hāngai ngā tikanga aromatawai mō tētahi ao matihiko me te tautoko i ngā putanga mana ōrite. Ko te tikanga o tēnei ko te urutau ki te āhua o ētahi aromatawai me Te Mana Tohu Mātauranga me Ngā Tohu Tuakiri o Aotearoa. Ko ngā whakapātaritari i roto i ngā tikanga onāiane pērā i te rapa whānako mahi ka hē kē atu i ngā utauta atamai hangahanga pērā i te ChatGPT. Ka nui ake te hira o te āta tiro tiro anō he aha ngā akoranga ka aromatawaitia me te āhua o te aromatawai i te whānuitanga haere o te tohu tuakiri mōkito.

Te whakahaumarū i ngā pūnaha me ngā pūhara mō ngā rauemi, ngā raraunga, te ako me te whakawhiti rangahau

Kia taea ai ngā akoranga, whakaako, aromatawai me te rangahau kua takahuria, me whai ngā taiao akoranga i ngā pūnaha haumarū me ngā pūnaha, me ngā utauta āwhina. He mea nui ngā kaupapa onāiane pērā i te whakakaha i ngā tautoko matihiko me te haumarū ipurangi mō ngā kura²⁰ he mea nui i roto i tēnei.

²⁰[Te haumarutanga ipurangi i roto i ngā kura](#)

²¹[He Whakamārama: He whakamārama mō te Online Curriculum Hub](#)

²²[He Whakamārama: He whakamārama mō te Kaupapa Te Rito](#)



Ko ngā kaupapa pērā i te Kōtuinga Ako Mariko, te Online Curriculum Hub (OCH),²¹ Te Rito²² me ētahi atu auahatanga i roto i te rāngai kura kei te whakawhiti i ngā whai wāhitanga mātauranga.

I roto i ngā ratonga rāngai mātauranga matua pērā i te EduRoam me ērā e whakaratoa ana e REANNZ mō te neke raraunga he mea tino hira mō ngā ākonga me ngā kairangahau i roto o Aotearoa me tāwāhi. Ka whai hua pea ētahi atu wāhanga o te rāngai mātauranga mai i ngā aronga ōrite.

Te kaha o te ohu mahi

E hiahiatia ana ināianei te whakatipu i ngā mōhiotanga matihiko, te reo matatini, te matatau, te kahawhiri hoki mō te ako, te noho me te whai wāhi atu ki te porihanga. Arā, me waihanganga hoki i ngā akoranga hei whakarite ka manaakitia rātau e pēhia ana e ngā uauatanga kanorau pērā i ngā hauātanga, ngā whanonga ā-hinengaro rerekē, te reo, ngā tauārai rawakore me te taipakeke.

Me whai pūkenga me te mōhiotanga te ohu mahi mātauranga hei tautoko i ngā ākonga. Kei reira ngā taura ā-ao, ā-motu hoki i āta hangaia e whakamārama ana he aha te tikanga ako mahi tahi i runga i te wairua mō te matihiko tino kounga.²⁴ Me whai wā ngā kaiwhakaako ki ēnei rauemi me ngā aronga.

Ka whakatenatena ngā tari mātauranga kia whakangungua ngā kaiwhakaako hei whakawhānui ake i ō rātau mōhio me ngā pūkenga i roto i ngā taiao matihiko. Ka taea e te anga akiaki pērā i te Skills Framework for the Information Age (SFIA),²⁵ te anga pūkenga ao whānui me te mōhiotanga mō te ao matihiko, te whakarato ngā putanga mātauranga ka kitea, ka taea te tono me ngā hiahia ao tūturu.

²³ Wenmoth. 2020. [Kahawhiri Matihiko](#)

²⁴ Wenmoth. 2021. [Arotake Whakaaturanga: Ko ngā hangarau matihiko kei te mātauranga i te wā o te mate urutā KOWHEORI-19](#)

²⁵ [Skills Framework for the Information Age](#)

Mai i te rautaki ki te mahi

Kei te anga whakamua kē i ngā tari ngā wāhi hira hei mahi, te mahi tahi hei whakaatu i te ahunga me te tūturutanga mō te rāngai.

I te whakatinanatanga o te rautaki, ka hangaia e ngā tari hira, te Tāhuhu, te NZQA, me TEC tētahi mahere mahi o ngā mahi me ngā kaupapa matua.

Ka whakamahia e ngā tari whānui ake i roto i te whānau mātauranga te rautaki hei whakamōhio me te ārahi i ā rātau ake mahere.

I te mea ka whakaritea e ngā tari matua ngā mahi i mua noa atu, ka whakaaroarohia e rātau ngā tūmomo rārangi mahi rerekē, kua tīmata ētahi, ko ētahi kua whakaarohia e ngā tari takitahi. Kei roto i ēnei ko:



[Whiwhi mōhio](#), anō mō te takahuri a ngā mahi tahi hangarau i te ako me ngā whai wāhitanga i Te Ara Poutama Alternative Education Centre



Te ao Māori i roto i te hoahoa matihiko

Mahi: te whakaae ki ngā tukanga hei whakaū i te ao Māori i roto i te hoahoa matihiko me te whakaratonga

Ko te hoahoa me te whakaratonga o ngā ratonga matihiko ngā wāhi huringa tere me te auahatanga. Mā ngā reo me ngā kitenga o te ao Māori ka taea e ngā tirohanga Māori me ngā hiahia te whakaahu ngā ratonga tari.



Te whakamahi raraunga kia whaitake ai

Mahi: te hoahoa i te tuakiri matihiko me te whakarato i te anga raraunga rāngai

Mā te tuakiri matihiko haumaruru ka āhei atu ki roto i te pūnaha mātauranga whānui, te wete mai i ngā āheinga, me te whakapiki i te whaitake o te pūnaha.

Kei te whakahoutia ngā mātāpono me ngā aronga i roto i te anga raraunga mātauranga hei ārahi i te whakamahinga o ngā raraunga i roto i te mātauranga me te whakarite i ngā whai wāhitanga e tipu haere ana hei whakaputa i ngā mōhiotio me ngā tirohanga kirimuna mō ngā tāngata, ngā rōpū, ngā haporī, ngā whakahaere mātauranga hoki.



Ngā ratonga matihiko haumaruru me te whaitake

Mahi: te whakapai ake i ngā ratonga matihiko me ngā tautoko mā ngā kura me te whakaū i te haumarutanga ipurangi puta noa i ngā whakahaere mātauranga katoa

Kei te whakamaheretia tētahi rārangi mahi hei whakapai ake i te kounga me te haumaruru o ngā hangarau matihiko i roto i ngā kura. Ka mahi mō tētahi pūnaha haumaruru ake, maru ake, e tūhono ana ki te pūnaha mātauranga i hangaia kia noho ko ngā hiahia o ngā ākongā, ngā mātua, whānau hoki ki waenganui pū.



Kia whānui, kia whaitake te kōrerorero tahi

Mahi: te mahi tahi me te hunga whai pānga kanorau mō te waihanga aronga matihiko manaaki

Ka ahu mai te auahatanga matihiko me te whakapai ake i ngā rāngai kanorau, i te nuinga o te wā ka whakararu i te āhua noa o te mahi i ngā mahi. Ka mahi tahi ngā tari ki te whakauru mai i ngā reo rerekē, me te hanga whai wāhitanga mō te manaaki.



Kaiārahitanga aronga anamata

Mahi: te mahi tahi ki te āta tiro tiro, hanga mahere, me te whakamātau i ngā hangarau kei te ara ake

Ka mahi ngā tari mātauranga ki te ārahi me te whakapiri tahi i te rāngai, me te mōhio kei te tere hurihuri te hangarau, ngā kaiwhakarato me ngā kōwhiringa. Kei te āhei atu ngā tari ki ngā rawa hinengaro, ngā hononga ā-ao, ngā rangahau, me ngā kitenga hei āwhina i ngā kaiwhakataua tikanga puta noa i te rāngai mātauranga.



Akoranga, whakaako, aromatawai me te rangahau kua takahuria

Mahi: te whakatipu i te paiherenga kia uru mai ai ngā whakaarohanga matihiko me te raraunga puta noa i te whai mātauranga

Ka taea e te matihiko me ngā raraunga te tuku tautoko kia pai ake ngā putanga mātauranga. He mea waiwai te whakatipu i te kaha matihiko mō te āwhina i ngā ākongā ki te whai i ngā pūkenga me whiwhi rātau. Kei roto i tēnei ko ngā aronga ki te haumaruru me te oranga, te marautanga, te aromatawai, rangahau me te whakatipu i te kaha o ngā kaiwhakaako. Kia taea ai ngā akoranga, whakaako, aromatawai me te rangahau kua takahuria, me whai ngā taiao akoranga i ngā pūnaha haumaruru, ngā pūnaha, me ngā utauta āwhina.

Ngā ĀpitiHanga

1 Te Kōrerorero Tahi

Ingoa	Rāngai
2020 Trust	Monihua-kore
Hui ICT Mātauranga Matua te 38	Mātauranga Matua
Rōpū Akoranga Momorua o Ngā Tumuaki e 5	Te rōpū ā-roto a Te Tāhuhu o te Mātauranga
Kaupapa CoDriVR	Pakihi rāngai hangarau
Anamata Matihiko Aotearoa	Monihua-kore
Rōpū mahi o Te Rautaki Matihiko mō Aotearoa	Te Tari Taiwhenua
Early Childhood Council	Mātauranga Kōhungahunga
EdTech Executive Council	Rōpū rāngai hangarau
Manapou ki te Ao	Umanga mātauranga
Hui Rōpū Mātanga	Ngā rōpū ā-roto a Te Tāhuhu o te Mātauranga
Inclusion Aotearoa	Monihua-kore
Ngā Ngaio IT	Rōpū matua rāngai hangarau
Kindergarten Association	Mātauranga Kōhungahunga
Ngā Rangatira o Ngā Iwi - Mātauranga	Rōpū tohutohu a Te Tāhuhu o te Mātauranga
Te Tari Mātāwaka	Tari kāwanatanga
Te Manatū mō ngā Iwi o Te Moananui-a-Kiwa	Tari kāwanatanga
Te Tāhuhu o te Mātauranga - Rōpū Tohutohu Taiohi	Te rōpū ā-roto a Te Tāhuhu o te Mātauranga
Te Puna Mātauranga	Te Tari Taiwhenua
Netsafe	Monihua-kore
New Zealand Area Schools Association	Rōpū Matua
Hui a Ngā Tumuaki o Aotearoa	Hui uniana mātauranga
Te Wehengarua	Education union
Hui ā-Tau a E Tipu Rea	Hui a te rōpū matua mātauranga
New Zealand Tech	Rōpū matua rāngai hangarau

New Zealand Trust & Identity in Education & Research Steering Committee	Rōpū rāngai mātauranga
Hui a Ngā Tumuaki o Ōtākou / Murihiku	Hui rāngai mātauranga
Secondary Principal's Association of New Zealand	Uniana rāngai mātauranga
Te Aka Toitū Trust	Monihua-kore
Te Mahau	Ngā rōpū ā-roto a Te Tāhuhu o te Mātauranga
Te Pūkenga	Mātauranga Matua
Ngā Rau Whakatupu Auraki me Ngā Rau Whakatu-pu Māori	Ngā rōpū tohutohu ā-roto a Te Tāhuhu o te Mātauranga
Tertiary Education Council IT Directorate	Mātauranga Matua
Tech Users Association New Zealand - Hui tuawhenua	Hui hangarau rōpū matua
Rōpū Rautaki Matihiko Tari Mātauranga o Te Hononga o Ingarangi	Ao Whānui
ULearn	Hui rāngai mātauranga
Ngā Whare Wānanga o Aotearoa	Mātauranga Matua
Kōtuinga Ako Mariko	Rōpū rāngai mātauranga
Hui a Ngā Tumuaki o Waikato	Hui tumuaki noa a Te Tāhuhu o te Mātauranga
Ngā Mātai Take	
Te Kura Kōhine o Ōtākaro	Mātauranga kura tuarua
Bream Bay College	Mātauranga kura tuarua
CoDriVR i Te Kura Tuarua o Waimate	Hangarau mātauranga
Digimatua Pacific	Kaupapa whakaurunga matihiko hapori
JustKidz Henderson	Mātauranga kōhungahunga
Te Kunenga ki Pūrehuroa	Mātauranga Matua
Te Kāreti o Ōtaki	Mātauranga kura tuarua
Marae o Rūaumoko	Mātauranga turi
Te Kura o Ngā Pāraepōhatu	Mātauranga kura tuatahi
Te Ara Poutama Alternative Education Centre	Mātauranga rerekē

2 Wātaka o te IT i roto i te mātauranga o Aotearoa

Tau	Kaupapa	I aha	Hiranga rautaki
1989	Pūrongo a Sallis	I tīmata mai i konei te ako me te whakangungu ngaio ICT (PLD) i roto i ngā kura mai i te tau 1990	Ngā PLD e utua ana e te kāwanatanga e haere tonu ana mā ngā tūmomo āhuatanga tae noa ki tēnei wā.
1994	CASAtech	He kaupapa e whai wāhi mai ana ngā kura ā-rohe e 9 o Waitaha e mahi tahi ana ki te tuku kōwhiringa marautanga whānui ake mā ngā ākonga whakamahi hangarau tuihono. Ngā kaiako i rō kura e āhei ana ki te tuku kaupapa ki ākonga i kura kē	Nā tēnei i tere whakawhānuitia ngā kāhui o ngā kura tuarua tuawhenua, mamao puta noa i Aotearoa. Hei tauira, FarNET, CoroNet, TOSItch
1994	KAWM	He kaupapa nā te Tāhuhu hei tau-toko i ngā kaiako Māori me te marautanga i roto i te reo Māori mā te whakamahi hangarau tuihono.	I whakaputaina te pūrongo whānui i te tau 1999
1995	He kupu whakamārama ki te Tukutuku Ao Whānui (www) i Aotearoa		Ko ngā kaiako ētahi o ngā mea tuatahi kia pā ki te www. I whaka-haerehia e te Telecom Education Foundation te "Internet for Teachers" i ngā pokapū 14 i ngā ahiahi o ngā Mane. 20 ngā kaiako i ia wāhanga mō te neke atu i te 2 haora. E rua ngā wāhanga i tū i ia Mane mō te tekau wiki i te 2005 me te 2006
1998	Rautaki ICT tuatahi mā ngā Kura	Mahi tahi i waenga i te Tāhuhu me ngā pūkenga o te rāngai. I roto i ngā tūtohutanga tauwhāiti ko te: <ul style="list-style-type: none"> • Ngā tautoko mā ngā Tumuaki • Akoranga ngaio mā ngā kaiako • He pokapū ihirangi tuihono mā ngā kaiako Tahua tuatahi o te \$14m i roto i te toru tau	E haere tonu ana ngā aronga huringa rautaki hira: <ul style="list-style-type: none"> • I whakamana te "Principals First" i te hiranga o ngā kaiārahi huringa i roto i ngā kura me te hiahia mō ngā whakangungu tauwhāiti. I whakatakoto i ngā tūāpapa mō ngā rautaki kaiārahi onāiane. • He tino hou rawa atu te aronga kāhui kura ki te ICT-PD. E mōhiotia ana ināiane mā tēnei ka whakamanahia te huringa pūnaha whānui mā te auahatanga paetata.

			<p>E haere tonu ana ngā aronga huringa rautaki hira:</p> <ul style="list-style-type: none"> • I whakamana te “Principals First” i te hiranga o ngā kaiārahi huringa i roto i ngā kura me te hiahia mō ngā whakangungu tauwhāiti. I whakatakoto i ngā tūāpapa mō ngā rautaki kaiārahi onāiane. • He tino hou rawa atu te aronga kāhui kura ki te ICT-PD. E mōhiotia ana ināiane mā tēnei ka whakamanahia te huringa pūnaha whānui mā te auahatanga paetata. • Ko te kaupapa o ngā kaupapa ICTPD he: • He whakapiki i ngā pūkenga ICT o ngā kaiako me te mārama ki te tikanga ako • Te whakapiki i te whakamahinga o te ICT mō ngā tūmahi ngaio me te whakahaere i rō kura • Te whakapiki i te auau me te kounga o te ICT hei tautoko i te whakaako whitake me te ako. • I para i te huarahi mō ngā mahi Kāhui Ako onāiane. • Nā te whakatūtanga o Te Kete Ipurangi (TKI) i puta ai he reanga kaiako whakamahi i hirangi me te whakauru ki ngā hāpori mahi tuihono. Ka haere tonu ngā mātāpono i roto i te hoahoa o te Pokapū Marautanga Tuihono (OCH). <p>Nā te angitu o ngā kaupapa, he \$80m te whakapaunga ake i roto i te wā.</p>
2000	Te Whakaurunga Mai o te TEC i te Whakahoki Raraunga Kotahi	Te kohinga raraunga kotahi i whakamahia hei aroturuki i te whakaratonga mātauranga matua	Tikanga noa o te kohikohi raraunga rēhita me te whakaotinga mai i te rāngai mātauranga matua
2001	Ngā kaupapa ā-hāpori	Ko ngā whakahaere pērā i te Porirua City Community IT Earning Trust (2001) i whakapau kaha ki te tuku tūhonohono me ngā utauta ki ngā hāpori rawakore, tae atu ki ngā kura	

2002	Kōtuinga Ako Mariko	I tīmata hei mahi tahi mō te kaupapa OtagoNet me Te Aho o Te Kura Pounamu ki te takawaenga i ngā ratonga marautanga mā ngā kura kei ngā kura tuawhenua me te mamao. I whakawhānuitia atu kia uru mai ko FarNet, HarbourNet, Volcanics, VLN Primary, Welcom, NetNZ	<ul style="list-style-type: none"> • I whakaaturia: • Te mana o ngā pātuitanga. I whakatūria te nuinga o ngā kāhui me ngā tautoko a ngā tarahiti paetata, kaiwhakarato arumoni hoki/rānei (hei tauira, Asnet, Telecom) • Te wāriu o Te Aho o Te Kura Pounamu hei kaiwhakarato mātauranga mamao i roto i te pūnaha mātauranga • Ngā painga o te aronga takawaenga hei whakamana i ngā hononga me te whakaiti i ngā pēhitanga whakahaere ki ngā kura
2003	Tā te Mātauranga Matua kōkuhu i te tau ākongā ā-motu (NSN)	Kōkuhu i te paerewa i tautuhia hei whakamahi puta noa i te pūnaha mātauranga matua	I tuku i tētahi tirohanga ngātahi o te mātauranga ākongā puta noa i te rāngai mātauranga matua.
2003	Rautaki ICT mā ngā Kura kua whakahoutia	I roto i ngā kaupapa hou ko te kaupapa Rorohiko Kaiako (TELA)	Kei te haere tonu a TELA i tēnei rā
2004	E ahu ana ki tētahi Anga iAkoranga ā-Motu	He pepa matapakinga i whakahautia e te Tāhuhu. Ko tōna koronga kia arahina te whanaketanga o te ICT puta noa i te rāngai mātauranga.	I tūtohutia tētahi aronga pūnaha whānui hei painga mō te mātauranga kōhungahunga, kura whakature me te rāngai mātauranga matua.
2004	Superloop	He hononga o ngā kāhui kura rerekē me ngā hāpori hei mahi me te kāwanatanga me te hāpori pakihī hei whakatutuki i te whakarātonga ICT pai ake mā ngā kura.	I whai ngā School Loops pērā i Whakatū (2004) Te Whanganui-a-Tara (2006) GCSN Ōtautahi (2006) Northshore HarbourNET, Manaiaikalani (2011) kia iti iho te utu o te whakarato raraunga me te utauta mā te whakawhānui ake me te pātui me ngā kaiwhakarato, i mua o te paiherenga o te kāwanatanga ki te tūhonohono me te tūāhanga. I ngātahi te arotahi a Loops ki te whakapakari i ngā pūkenga o ngā ākongā mō ngā huringa o te whakahaere me te whakapai ake i te whakaako me te ako mā te ICT. Ko tā rātau i whai ko te whakatika i te whārua matihiko.

2005	Schools Network Upgrade Programme (SNUP)	I utua e tēnei kaupapa a te Tāhuhu he wāhanga me te whakahaere i te whakahounga o ngā whatunga ā-roto (ngā raraunga me te tāhiko) i roto i ngā kura tāuke me ngā kura kāwanatanga. 11 tau te roa, ā, \$280 miriona tōna haumitanga ki ngā kura 2,400.	Kei te haere tonu mā te N4L i te rā nei
2005	REANNZ	I whakatinanahia e te Research and Education Advanced Network New Zealand (REANNZ - ko KAREN i te tuatahi) hei tūhono i ngā whare mātauranga matua, ngā whakahaere rangahau, ngā whare pukapuka, ngā whare taonga me te ao whānui	E tūhono ana ngā hapori rangahau o Aotearoa ki te ao e wawe ai te whakawhitiwhiti me te neke raraunga nui ina hiahiatia.
2007	He Tau Nui mō te Hangarau	<ul style="list-style-type: none"> • iPhone • Raraunga Nui • Tīhau • Pukamata • Ētahi anō 	
2007	Ngā Whakahounga Mātauranga Matua	Te Hanga i te Rautaki Mātauranga Matua Te Hanga i te Rautaki Mātauranga Matua Te whakatakoto i ngā pūtea whakamahere ā-haumitanga Te whakatakoto i ngā mahi aroturuki a TEC	Nā te whakamahere haumitanga i nui ake te whakawhitiwhiti raraunga i waenga i te rāngai me TEC me te whakaurunga mai o ngā tūtōhu mahinga mātauranga matua.
2011	Rēhita Whakangungu Ahumahi Mātauranga Matua	I whakaurua mai he pūnaha hei kohikohi raraunga whakangungu mō ngā pia me ngā pia mahi ahumahi.	I whakakapi i te pūnaha ā-ripanga kaute
2012	Uiui a te Komiti Whiriwhiri ki te Akoranga o te Rau Tau 21		He kaupapa kāwanatanga i waenga rōpū I whānui te kōrerorero tahi puta noa i Aotearoa I whānui te whakaae tahi ki ngā tūtōhutanga o te pūrongo I aro ki te tekau tau te wā
2012	I hangaia te Network for Learning (N4L)	I hangaia te kamupene a te Karana hei waka whakarato aunui tākaka ki ngā kura o Aotearoa	I mua o te tau 2016 i tūhonoa ngā kura katoa o Aotearoa
2013	Rōpū kōrero Akoranga Rau Tau 21	I whakatūria hei putanga o te Uiui a te Komiti Whiriwhiri	I whakaputaina ngā kitenga i te tau 2014

2012-2016	Kaupapa Aunui Tino Tere (UFB) me te Aunui Tuawhenua (RBI)	Te hōrapa i te aunui ki ngā pāwaha o te ura i raro i ngā kaupapa UFP me te RBI.	
2012	I hangaia te Network for Learning (N4L)	I hangaia te kamupene a te Karuana hei waka whakarato aunui tākaka ki ngā kura o Aotearoa	I mua o te tau 2016 i tūhonoa ngā kura katoa o Aotearoa
2014-2015	NZQA - ngā aromatawai mō Ngā Tiwhikete Paetae Mātauranga o Aotearoa (NCEA)	I whakamātauria matihikotia ngā aromatawai ā-waho mā te tūmahi Aromatawai i-Pāngarau Arowhānuī.	I whakaputaina ngā arotakenga
2015	Rautaki matihiko pūnaha mātauranga: "Te Takahuri i te Mātauranga mō te Ao Matihiko"	He rautaki i hangaia mā ngā tari Mātauranga katoa	I tautuhia ngā tohutohu me ngā wāhi kia tiroirohia atu anō i roto i te hanga matihiko 2015-2020.
2016	Te tuku i te tomokanga Ngā Kete a TEC	E wātea ana ngā tūmomo raraunga mātauranga whānui ki te rāngai me ētahi atu whakahaere e kaingākau ana ki ngā putanga mātauranga	
2016	Tiwhikete o te Motu mō ngā Paetae Mātauranga a NZQA (NCEA) - ngā whakamātauranga kaupapa aromatawai mutunga tau	Ngā whakamātauranga me ngā whakamātautau kaupapa aromatawai mutunga tau mō ngā kaupapa NCEA e 3 (Akoranga Tauhira, Ingarihi, Akoranga Pāpāho).	Ka huria ngā whakamātautau huringa tīmatanga o te Tuihono NCEA me te "matihiko tuatahi" mō ngā aromatawai te reo matatini me te pāngarau. Arotakenga o ngā tātari ine i te kaha me ngā tukanga hirikapo me te tauanga e whakaputaina auautia.
2017	I hono a Careers NZ ki Te Amorangi Mātauranga Matua	I whakaroahia ake te mana o TEC ki te ārahi i te pūnaha ara mahi o Aotearoa.	Rautaki ara mahi - Te Whakahihiri i te Anamata Tiro Whetū
2017	TEC - Kaupapa Kore Utu	I whakauru mai te tau tuatahi o te kaupapahere kore utu	
2017	NZQA - whakaōritenga tuihono	Ka tīmata te whakaōrite ā-waho i ngā mahi ākongā i aromatawaitia ā-rototia mō te hanga mahere, te tuku me te whakaōrite tuihono	I mua o te 2022 he tata ki te 100% te tuihono
2018	Hanga marautanga Hangarau Matihiko a te Tāhuhu		Te whakatinana i te Marautanga Hangarau Matihiko i rō kura
2020	Whakahou i te Mātauranga Ahumahinga (RoVE) a TEC/ Tāhuhu	Te Pūkenga, he hononga kotahi, toitū, tūmatanui o ngā mātauranga ahumahinga ka taea i ngā rohe, e whakakotahi ana i Ngā Kaiwhakarato Whakangungu Ahumahi 16	He pūnaha kotahi, toitū mō ngā mātauranga ahumahinga katoa e tuku ana i ngā pūkenga e hiahiatia ana e ngā ākongā, kaituku mahi me ngā hapori kia momoho

3 Rārangi Kupu

He aratohu ki ngā ture me ngā pikitia

Ariā	Atahanga	Tikanga
Tūhonotanga		Te ao Māori i roto i te hoahoa matihiko Te whakaū i te ao Māori. E whakaatu ana te koru i te whatu i te rautaki matihiko me te ao Māori
Tātaritanga		Te whakamahi raraunga kia whaitake ai Tātaritanga hei whakatau tikanga i runga i te mōhio. E whakaatu ana te tūtakitanga o te koru i te hiahia ki te mahi ngātahi me te tikanga ōrite
Āheitanga		Ngā ratonga matihiko haumaruru me te whaitake Te kaha ki te whakapai ake i ngā ratonga me ngā tautoko. E whakaatu ana te tauira i Te Aka Matua, e tohu ana i te kōrero mō Tawhaki me tana kake ki te tiki i ngā kete o te mātauranga
Kōtahitanga		Kia whānui, kia whaitake te kōrerorero tahi E hiahiatia ana te kotahitanga me te mahi ngātahi hei hanga i tētahi aronga matihiko manaaki. E whakaatu ana te tūtakitanga o te koru i te hiahia ki te mahi ngātahi me te tikanga ōrite
Te Anamata		Kaiārahitanga aronga anamata Ngā mea e hiahiatia ana hei toro ki te ao matihiko o anamata. E whakaatu ana te koru tapawhā i tētahi tipimōkito me te raranga i ngā raraunga.
Mātauranga		Akoranga, whakaako, aromatawai me te rangahau kua takahuria Ngā mōhiotanga e hiahiatia ana hei whakaū me te whakatipu i te kaha matihiko. E whakaatu ana te koru hono i te waha, ā, he tohu mō ngā kōrero tuku iho a te Māori me ngā mōhio hōhonu, me ngā mōhio, pōhewa o neke i tukua mai i roto i ngā reanga.

Te reo	Translation
Te Kete Ipurangi (TKI)	Te tomokanga mātauranga reorua onāiane o Aotearoa. He kaupapa nā Te Tāhuhu o Te Mātauranga.
Te Mahau	Ngā tari ā-rohe a Te Tāhuhu o te Mātauranga.
Te Pūkenga	He kaiwhakarato mātauranga matua hou nā te Karauna.
Te Rito	He putunga mōhiohio ā-motu i runga tukutuku e taea ai ngā mōhiohio ākongā te whai haere i te ākongā puta noa i tana whai mātauranga.
Te Tiriti o Waitangi	Te tiriti taketake o Aotearoa i waenga i te Karauna me te Māori, e arotahi ana ki te pātuitanga, te whai wāhitanga me te whakamaru.

Kupu	Whakamārama
Atamai hangahanga (AI)	He pūnaha rorohiko ka taea te whakataruna te whakatau tikanga me te ako ā-tangata nei, tae atu ki ngā taumahi hirikapo e pā ana ki te hinengaro tangata, tae atu ki te ako me te reo.
Ngā utauta āwhina	Kei roto ko ngā pūrere āwhina, urutau, me te whakarauora mā ngā ākongā whai matea ako tāpiri kia whai wāhi mai me te ako.
Akoranga hanumi	He huinga o ngā akoranga akomanga tūturu me ngā akoranga tuihono i te wā kei reira ngā ākongā.
Akoranga urupare ā-ahurea	Te whakarite he hāngai me te whaitake te ako mā ngā ākongā mā te toro i ngā mōhio ahurea o ngā ākongā, ngā wheako ora, ngā tirohanga rerekē, ngā reo, me ngā āhuetanga whakatutukitanga me te whakawhitiwhiti kōrero.
Haumarutanga ipurangi	Te tiaki i ngā tāngata me ā rātau rorohiko, kōtuinga, papatono me ngā raraunga mai i te uru poka noa, te mahi nanaka, te whakarerekē rānei.
Ngā Raraunga	Ngā meka me ngā tatauranga ka kohia tahitia hei titiro, hei tātari.
Te kahawhiri raraunga	Ngā tika mau tūturu me ngā pānga o te tangata e pa ana ki te kohikohi, te rangatiratanga, me te whakamahi i ngā raraunga.
Te mana raraunga	Kei raro ngā raraunga i ngā ture o te motu kei reira e rokirokitia ana.
Pūrere	He pūmanawa mārō e taea ai e te tangata te toro atu me te whakamahi rauemi ako matihiko.
Matihiko	E wātea ana ki te āhuetanga tāhiko, ka taea te pānui me te raweke e te rorohiko.
Kahawhiri matihiko	Ko te ākongā te kaikōkiri o ngā mea kei te pā mai, kei a ia katoa te tikanga mō ngā kōwhiringa e wātea ana ki a ia, me te whai pūkenga, mōhiotanga, ngā āhuetanga me ngā āheinga hei whai i aua kōwhiringa, ā, kia whaitake, kia toitū tāna mahi i roto i te taiao matihiko.

Mōhiotanga matihiko	Ko te whai pūkenga me ngā mōhiotanga taketake hei whakamahi hangarau matihiko.
Pūnaha Matihiko	Kei roto i te pūnaha matihiko i roto i te mātauranga ko ngā utauta matihiko katoa, ngā rauemi, tūāhanga, ngā raraunga, ngā pūhara, ngā paerewa pūmanawa rorohiko me te hangarau me te hunga e whakamahi ana i ērā puta noa i ngā kura, ngā kāinga, ngā whare pukapuka, ngā marae, ngā tari kāwanatanga hei tautoko i te mātauranga ahakoa kei runga ipurangi me te mamao, hanumi, kanohi ki te kanohi rānei.
Taiao matihiko	He taiao whakawhitiwhiti whakauruuru e whakawhitiwhiti ai ngā pūrere matihiko me te pupuri i ngā ihirangi me ngā mahinga kei roto.
Mana ōrite matihiko	He āhuetanga e whiwhi ana ngā tāngata katoa i ngā mea e hiahiatia ana kia mahi ai i roto i tētahi ao e nui haere te matihiko. Kei roto i ngā huānga o te mana ōrite matihiko: ko te ngāwari o te utu mō te ipurangi me ngā pūrere tōtika, ngā pūkenga matihiko, whakahihiri me te pono, me ngā tautoko kauawhi kia tuihono ai me te noho tuihono. He putanga o te whakaurunga matihiko.
Matatau matihiko	Ka āhei ki te whakatau ko ēhea ngā hangarau matihiko tauwhāiti hei whakamahi, mō āhea whakamahi ai hei whakatutuki i te putanga e tōminatia ana, tae atu ki te āta whakamārama he aha te take ka āwhina ngā utauta e whakamahia ana ki te whakatutuki i ngā putanga.
Tuakiri matihiko	He pēhea tō whakaatu ko wai koe i runga ipurangi. Ko te tuari tuihono i ngā mōhiotanga whaiaro, ā-whakahaere hoki hei uru atu ki ngā ratonga me te whakatutuki i ngā tauwhitinga, ā, he mea whakaae e te mea nāna ngā mōhiotanga.
Whakaurunga matihiko	Ko te putanga o ngā wawaotanga ka taea te tautoko te whakatu-tukitanga o te mana ōrite matihiko, tae atu ki te ngāwari o te utu mō te ipurangi me ngā pūrere tōtika, ngā pūkenga matihiko, whakahihiri me te pono, me ngā tautoko kauawhi kia tuihono ai me te noho tuihono.
Tūāhanga matihiko	Kei roto ko ngā rauemi ōkiko e hiahiatia ana kia taea ai te whakamahi raraunga, ngā pūrere rorohiko, ngā tikanga, pūnaha me ngā tukanga.
Whakaurunga matihiko	Ko te putanga o ngā wawaotanga ka taea te tautoko te whakatu-tukitanga o te mana ōrite matihiko, tae atu ki te ngāwari o te utu mō te ipurangi me ngā pūrere tōtika, ngā pūkenga matihiko, whakahihiri me te pono, me ngā tautoko kauawhi kia tuihono ai me te noho tuihono.
Tūāhanga matihiko	Kei roto ko ngā rauemi ōkiko e hiahiatia ana kia taea ai te whakamahi raraunga, ngā pūrere rorohiko, ngā tikanga, pūnaha me ngā tukanga.
Mōhio ā-matihiko	He mōhio me pēhea te whakamahi hangarau matihiko, ā, me aha ērā.

Ngā ratonga matihiko	Te whakaratonga tāhiko o ngā mōhiohio me ngā ratonga tae atu ki ngā raraunga me ngā ihirangi puta noa i ngā pūhara me ngā pūrere maha pērā i te tukutuku, pūgoro rānei.
Ngā pūkenga matihiko	Ngā pūkenga o te hunga me toro ki te ao matihiko mai i tētahi taumata waiwai (hei tauira, te mōhio ā-matihiko) ki ngā pūkenga arā atu anō e hiahiatia ana hei mahi i roto i te rāngai hangarau (hei tauira, ngā pūkenga hanga papatono).
Hangarau matihiko	Ngā hua me ngā pūnaha tāhiko, matihiko rānei - kei roto i tēnei ko te pūmanawamārō, pūmanawa rorohiko, ngā apatoko, ahowaea.
Takahuritanga matihiko	Te whakamahi i te hangarau matihiko hei whakarei ake me te takahuri i te ako.
Oranga matihiko	Te whakamahi hangarau me ngā ratonga matihiko mā ngā āhuatanga tautoko i te hauora hinengaro, tinana, whanaungatanga me te whatumanawa.
Ako tawhiti	He tikanga ako i waenga i ngā kaiako me ngā ākonga e noho tawhiti ana.
Akoranga momorua	He whakawhānui ake i ngā hangarau kia haere tonu te akoranga kouna mā ngā ākonga katoa, ahakoa te wā, te wāhi, te āhua rānei o tā rātau ako.
He nui ake te whakamahia	Ka taea e ngā pūhara matihiko me ngā pūnaha te whakawhiti haumaruru i ngā raraunga.
Akoranga mīhini	ngā tikanga e hāngai tonu te ako a ngā rorohiko mai i ngā tauira, ngā raraunga, wheako hoki, te rapu ture, tauira rānei, me te whakamahi tikanga kāore i āta whakaputahia e tētahi tangata hanga papatono.
Mana raraunga Māori	Ngā tika mau tūturu me ngā pānga o te Māori e pā ana ki te ko-hikohi, te rangatiratanga, me te whakamahi i ngā raraunga Māori.
Akoranga tuihono	Ka ako mā runga ipurangi ahakoa kei te wāhi ako, kei tētahi wāhi mamao rānei.
Ako mariko	Ka whakamahi pūmanawa rorohiko, te Ipurangi, ngā mea e rua rānei ki te huri i te āhua o te tuku tohutohu ki ngā ākonga.

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Te Pou Hanganga, Matihiko
Hune 2023

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Kei raro tēnei whakaputanga i te manatārua. I tua atu i ngā whakarite tika mō te kaupapa o te rangahau tūmataiti, rangahau, arohaehae, arotake rānei, e whakaaetia ana rānei i raro i te Ture Manatārua, kua rawa he wahanga kā āhei ki te whakaputa anō me te kore whakaaetanga a Te Tāhuhu o Te Mātauranga, Aotearoa.



**Te Tāhuhu o
te Mātauranga**
Ministry of Education



**Te Kāwanatanga
o Aotearoa**
New Zealand Government