

NGĀ PUKA RAPANGA PĀNGARAU TAUNAKI

Tatauranga

TAU 5-6

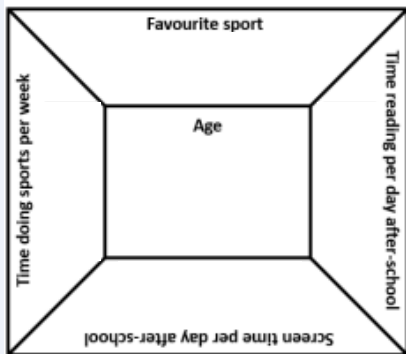
Pukapuka Kaiako

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Rapanga 1

Kei te hiahia Hauora Aotearoa ki te mōhio ki ngā mahi whakangahau a ngā tamariki. Kei ēnei kāri raraunga he mōhiohio rerekē mō ngā mahi a ngā ākonga nō ngā tau rerekē.



He aha te hākinakina tino pai ki ngā tamariki i ngā reanga tau rerekē?

Whakamahia tētahi tēpu raraunga hei whakaatu i ō hua.

Whakamahia tētahi kauwhata hei tuhi i ō hua mō te whakaaturanga ki te akomanga.

Ka taea e koe te whakaatu i tēnei mōhiohio ki ngā huarahi rerekē?

He aha ngā kōrero ka taea e koe te kī mō ngā hākinakina tino pai ki ngā ākonga?

Hei āwhina i te kaiako

I te tīmatanga, kōrerohia ngā āhukatanga rerekē o ngā raraunga kei runga i ngā kāri raraunga. Kauga e tino whakamārama ngā taurangi, engari tukuna ngā ākonga kia kite ake i ēnei. Tonoa ngā ākonga ki te whiriwhiri i tētahi o ngā kāri me te kōrero i tētahi kōrero mō taua kāri. Tonoa hoki rātou ki te matapae i ngā hua mō tō rātou reanga mō ia momo raraunga, ā, tuhia ēnei matapae, kātahi ka puritia mō te mahi 3.

Tukuna he huinga iti o ngā kāri raraunga ki ngā ākonga (tērā pea he mea whakarōpū mā te reanga, mā ngā reanga rānei) ā, whakamārama atu ko tēhea te taurangi hei arotahi mā rātou i te akoranga (pērā i ngā hākinakina tino pai).

Whakaritea he pepa grid me ngā piri tohu hei āwhina i ngā ākonga ki te hanga tūtohi.

Whakaaro Matua o te Ao Pāngarau

Ka taea te tūhura i ngā whakaaro me ngā pātai e pā ana ki tētahi kaupapa mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka rerekē te raraunga i ngā āhukatanga maha (hei tauira, he rerekē te rahi me te tae o tētahi mea), ā, ka taea te whakarōpū i ngā raraunga mā ngā huarahi rerekē me ngā āhukatanga rerekē (arā, he rōpū kāwai, he tau rōpū hoki).

Ka taea te whakaatu me te tuku i te raraunga ki ngā momo rerekē, tae atu ki ngā whakaaturanga raraunga.

Ka taea te kite, te whakamārama, me te tātari i ngā tauira kei roto i ngā huinga raraunga mā te whakamahi i ngā whakaaturanga raraunga.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kōhi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana

-Whakarite pātai tūhura ka whakautua e te raraunga

-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Hei āwhina i te kaiako

Me tūmanako kia whakaatuhia e ngā ākonga ngā raraunga mā te whakamahi i ngā whakaaturanga e rua rerekē. Ka taea pea te whakamahi i ngā kāri raraunga tonu hei hanga tūtohi, he tēpu raraunga me ngā tohu tatau, he tūtohi pikitia mā ngā tohu, he tūtohi pepa grid rānei.

Mō te mahi motuhake, hoatu he huinga iti o ngā kāri raraunga ki ngā ākonga (kua whakarōpūhia ki ngā reanga), pepa grid, piri tohu, me ngā hāpiapia rānei.

<https://nces.ed.gov/nceskids/createagraph/Default.aspx>

Wā toha

Tīpakohia ngā ākonga hei tiritiri ko wai e hanga ana i tētahi whakaaturanga whakairoiro e whakaatu mārama ana i te raraunga tae atu ki tētahi tohu ngāwari ōrite ki te mokowā, te tīaroaro, me ngā panekōrero mō ngā huinga me ngā tau mō te tatau.

Hono

Pātai atu ki te ākonga kia whakaatu anō i tō rātou kauwhata hei kauwhata pae mā te whakamahi pepa mātiti, ā, ka rongu ki te hanga i tētahi kauwhata tīwae.

Tauira me pēhea te hanga kauwhata pae mā te whakamahi

<https://nces.ed.gov/nceskids/createagraph/Default.aspx>

Whainganga ako Ka ako ngā mokopuna ki te:

Kohikohi, whakarōpū, me te wehewehe i te raraunga.

Whakaatu i te raraunga kāwai mā ngā momo whakaaturanga rerekē.

Whakapāho i ngā ia me ngā tauira o te raraunga i ngā huarahi whai tikanga.

Whakatakoto take mō te kōwhiringa o te whakaaturanga mā te kōrero ki ngā tauira kua whakanuia.

Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kohi raraunga hei taunaki i te pātai tūhura:

-Tautohu i ngā kaiurupare

-Tautohu i ngā taurangirangi e kohia ana

-Tautohu i tā te kaituhura pūtaka ki te kohi i ngā raraunga.

Te Kohi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine

Whakamahi i ngā rautaki

kohi raraunga huhua ki te

whakarāpopoto, ki te

whakarōpū me te

whakatairite i ngā raraunga

matāmua, i ngā raraunga

mātāmuri rānei

Whakatau me pēhea te

pupuri me te tiaki i ngā

raraunga.

Te Tatari me Te Whakatau

Waihanga me te

whakamārama i ngā

whakaari rerekē;

-Whakaingoa i ngā

wāhanga o te whakaari

-Kei te tika te whakaari e ai

momo raraunga

-Tautohu i ngā

taurangirangi

-Whakamarāma i ngā

āhua, i ngā tauira me ngā ia

o roto i te horopaki e whai

wāhi ana ngā taurangirangi

me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;

-Whakatairite i ngā kitenga

me ngā whakapae, i ngā

tāpaetanga rānei

-Whakatairite i ngā kitenga

me ō rātou mōhiotanga ki te

ao.

Whakaahua rauranga mā

te whakamahi kauwhata

ira, kauwhata pou, tūtohi

auau, kauwhata houanga

Whakahono i ngā

whakataunga me ngā

ataata raraunga ki te

whakautu pātai tūhura

Tūhura pūāhua me te tuku

pātai ka taea te whakautu

Whai māramatanga ki ngā

raraunga motumotu,

raraunga motukore hoki.

Rapanga Motuhake

Kei ngā kāri raraunga ngā pārongo mō te hākinakina tino pai a ngā ākonga nō ngā reanga rerekē.

He aha ngā pātai ka taea te pātai mō tēnei huinga raraunga?

Ka taea e koe te tohu tēnei mā te whakamahi i tētahi kauwhata pae, kauwhata tīwae rānei?

Whakaritea he kōrero mo tāu i kite ai.

Ngā tini mata o te Reo Pāngarau

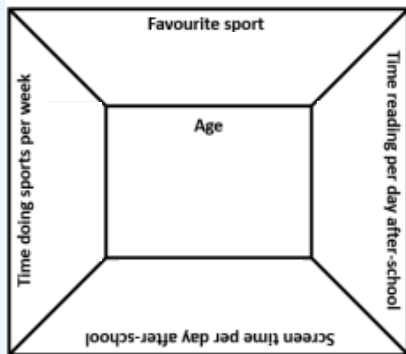
Tauanga, raraunga, tauira, tūhuratanga, whakarite, whakaatu, whakaraupapa, whakarōpū, whakaatu, whakawhitiwhiti, matapae, hua, whakataurite, ōritetanga, rerekētanga, tūtohi tatau, tūtohi pae, tūtohi pou.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Rapanga 2

Kei te aro atu a Hauora Aotearoa ki ngā ngohe whakangahau a ngā tamariki. Kei ēnei kāri raraunga ngā mōhiohio mō ngā ngohe a ngā ākonga o ngā reanga rerekē.



E hia te wā e pau ai te wā e whakapau ana ngā tamariki i te pānuitanga i muri i te kura? Whakamahia he kauwhata tātā, rau hoki hei whakaatu i ō hua.

Hangaia "E miharo ana ahau" me ngā kōrero "E kite ana ahau" mō te raraunga.

Hei āwhina i te kaiako

Hei tīmatanga i tēnei mahi, whakaatuhia te pātea mō te hanga rākau stem-and-leaf ki te whakamahi i tētahi huinga raraunga. Homai ki ngā ākonga he huinga iti o ngā kāri raraunga, tīpakohia ēnei hei whakarite kia rongō ai ngā ākonga i ngā rōpū matua me ngā tārewa kei roto i ngā raraunga.

Me whakarite he pepa rīrita mō ngā ākonga ki te whakamahi hei hanga rākau stem-and-leaf.

Awhinatia ngā ākonga kia kite i ngā rōpū matua me ngā tārewa kei roto i ngā raraunga.

Aroturuki i ngā ākonga e whakamahi ana i te reo tatauranga, ā, whakaatuhia tēnei reo mō ngā ākonga katoa.

Whakaaro Matua o te Ao Pāngarau

Ka taea te uiui i ngā ariā me ngā pātai mō tētahi kaupapa tauwhāiti mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka taea e te raraunga te rerekē ki ngā huarahi rerekē (hei taurira, he rerekē ngā rahi me ngā kara) ā, ka taea te whakarite mā ngā huarahi rerekē me ngā āhuatanga rerekē (waiwai, ā-tau).

Ka taea te whakaatu me te whakamōhio i ngā raraunga mā ngā huarahi maha tae atu ki ngā kitenga raraunga.

Ka taea te kite i ngā taurira, te whakaahua, me te rārangi i ngā huinga raraunga ā, mā te whakamahi i ngā kitenga raraunga.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kohi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu taurira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana

-Whakarite pātai tūhura ka whakautua e te raraunga

-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Wā toha

Tīpakohia ngā ākonga ki te tīpako i ngā whakapae e tohu ana i ngā rōpū matua me ngā tārewa i ngā raraunga tau.

Tuhia ēnei whakapae ki runga i te papa paraihe, ā, pātai ki ngā ākonga katoa ki te whakaae, ki te whakapūmau rānei ki ngā whakapae me ngā take.

Awhinatia ngā ākonga kia kite, kia kōrero hoki mō te rerekētanga kei waenga i ngā rākau paerewa me ngā rākau rārangi e whakaatu ana i ngā raraunga rōpū.

Hono

Pātai atu ki ngā ākonga kia tauākī mō te āhua o te raraunga.

Whakamōhiotia ngā ākonga ki ngā ariā o te aratau, te awhe, me te tau waenga. Pātai atu ki ngā taurira kia kitea ēnei i runga i o rātau kauwhata tātā, rau hoki.

Whaingā ako Ka ako ngā mokopuna ki te:

Te hanga i tētahi pātai whakaaetanga.

Hangaia ngā pātai rangahau e āwhina ana ki te whakautu i tētahi pātai whakaaetanga.

Whakaatu raraunga tau ki tētahi kauwhata tātā-me te haumarū.

Whakaritea he kōrero mō ngā raraunga hei urupare ki tētahi pātai whakaaetanga.

Ko ngā au me ngā taurira o ngā raraunga i runga i ngā huarahi whai tikanga, tae atu ki ngā kāhui, ngā waho, me te hanga o te huinga raraunga.

Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kohi raraunga hei taunaki i te pātai tūhura:

-Tautohu i ngā kaiurupare

-Tautohu i ngā

taurangirangi e kohia ana

-Tautohu i tā te kaituhura

pūtake ki te kohi i ngā

raraunga.

Te Kohi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine

Whakamahi i ngā rautaki

kohi raraunga huhua ki te

whakarāpopoto, ki te

whakarōpū me te

whakatairite i ngā raraunga

matāmua, i ngā raraunga

mātāmuri rānei

Whakatau me pēhea te

pupuri me te tiaki i ngā

raraunga.

Te Tatari me Te Whakatau

Waihanga me te

whakamārama i ngā

whakaari rerekē;

-Whakaingoa i ngā

wāhanga o te whakaari

-Kei te tika te whakaari e ai

momo raraunga

-Tautohu i ngā

taurangirangi

-Whakamarāma i ngā

āhua, i ngā taurira me ngā ia

o roto i te horopaki e whai

wāhi ana ngā taurangirangi

me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;

-Whakatairite i ngā kitenga

me ngā whakapae, i ngā

tāpaetanga rānei

-Whakatairite i ngā kitenga

me ō rātou mōhiotanga ki te

ao..

Whakaahua rauranga mā

te whakamahi kauwhata

ira, kauwhata pou, tūtohi

auau, kauwhata houanga

Whakahono i ngā

whakataunga me ngā

ataata raraunga ki te

whakautu pātai tūhura

Tūhura pūāhua me te tuku

pātai ka taea te whakautu

Whai māramatanga ki ngā

raraunga motumotu,

raraunga motukore hoki..

Rapanga Motuhake

Kei te āwhina a Melvin rāua ko Khaleesi i ō rātou mātua ki ngā mahi kāinga. E pātai ana rātou ki te nui o te wā e pau ana e ētahi atu tamariki i tā rātou kura ki ngā mahi kāinga. Anei ngā raraunga i kohikohi rātou e mōhiotia ana ko te hāora e pa ana ki te mahi kāinga i te mutunga o te wiki.

15 23 8 12 25 65 0 20 15 21 30

0 28 10 25 21 18 22 25 32 5 35

26 20 25 30 16 24 25 10 15

Ka taea e koe te puru i te raraunga ki roto i tētahi kauwhata tātā, rau hoki?

Hangaia "E miharo ana ahau" me ngā kōrero "E kite ana ahau" mō te raraunga.

Ngā tini mata o te Reo Pāngarau

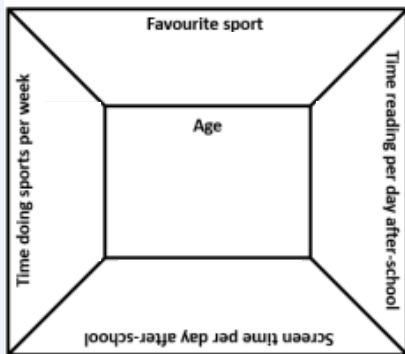
Tatauranga, raraunga, tauira, tūhura, whakarite, whakaatu, kōmaka, whakarārangi, tohu, whakawhiti kōrero, matapae, putanga, kauwhata tātā-me te rau, aratau, paerewa, awhe, kāhui, waho.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Rapanga 3

Kei te aro atu a Hauora Aotearoa ki ngā ngohe whakangahau a ngā tamariki. Kei ēnei kāri raraunga ngā mōhiohio mō ngā ngohe a ngā ākonga o ngā reanga rerekē.



He aha tāu e mōhio ai mō te raraunga? Mahia "E miharo ana ahau." nga kōrero.

He aha ngā pātai ka taea e koe te pātai mō tēnei huinga raraunga?

Kōwhiria tētahi pātai me te kōmaka i ngā kāri raraunga hei whakautu i te pātai.

Me tāhopu ināianeī ō hua hei whakaaturanga.

Whakaritea ngā kōrero "E mōhio ana ahau" mō ngā raraunga e pā ana ki tō pātai.

He aha ngā tūhononga ka taea e koe te mahi i waenga i ngā huinga raraunga rerekē?

Hei āwhina i te kaiako

Tō te akomanga katoa i mua i te tīmatanga i te mahi, kōrerohia ki ngā ākonga me pēhea te āwhina i te kāinga me te mahi tahi i ngā mahi ngahau hei tohu aroha mō tō whānau.

Awhinatia tō akomanga ki te whakawhanake pātai ka taea e rātou te kimi i ngā whakautu e pā ana ki te āwhina i te kāinga me te mahi tahi mō ngā mahi ngahau.

Pātai atu ki ngā ākonga ki te tuhi i ngā pātai rima ka taea e rātou te whakamahi i ngā kāri raraunga hei whakataua i tā rātou pātai matua [āwhina rātou i tēnei mahi hei mahi pānui].

Whakaaro Matua o te Ao Pāngarau

Ka taea te tātari i ngā whakaaro me ngā pātai mō tētahi kaupapa motuhake mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka rerekē ngā raraunga i ngā huarahi rerekē (hei tauira, ka rerekē te rahi me te tae o tētahi taonga), ā, ka taea te whakariterite i ngā raraunga i ngā huarahi rerekē e pa ana ki ngā āhuatanga rerekē (rōpū, tau).

Ka taea te whakaatu me te whakawhiti raraunga i ngā huarahi rerekē, tae atu ki ngā whakaahua raraunga.

Ka taea te kite, te whakarāpopoto, me te tātari i ngā tauira kei roto i ngā raraunga, ā, mā te whakamahi i ngā whakaahua raraunga.

Ka taea te matapae i ngā hua mā te whakamahi i ngā huinga raraunga.

Ka rerekē ngā paerewa i ngā hua, ā, ka rerekē hoki te pea.

Hei āwhina i te kaiako

Me whakarite kei roto i ēnei pātai te whai wāhitanga ki ngā ākonga ki te kohikohi raraunga maha-āhua, me ngā huinga raraunga rōpū me tau (hei tauira, ngā taurangi rerekē pērā i te pakeke, te ira tangata, me te wā e pauhia ana ki ngā mahi kāinga, rātou momo mahi kāinga rānei).

Tāhopu i ngā pātai e rima me te pātai atu ki ngā ākonga mai i ētahi atu akoranga i te kura hei whakaoti i ngā kāri raraunga me te whakahoki i ēnei mō te Tūmahi 5.

Tiro atu ina ka tika ngā patai.

Whakawāteatia ngā ākonga kia mahi kōrero "E miharo ana ahau". Ehara ēnei i te pātai engari ka taea te hanga anō ki ngā pātai. Mēnā e hiahiatia ana he tauira me pēhea te whakawhanake i te kōrero hei pātai.

Kia wātea te pepa mātiti hei hanga kauwhata. Tērā pea hei kauwhata pae, he kauwhata tiwae rānei. E tūmanako ana kia tohu ngā ākonga mā te whakamahi i ngā whakaaturanga rerekē e rua. Kei roto pea ko te whakamahi i ngā kāri raraunga hei hanga i tētahi kauwhata, he ripanga raraunga, he kauwhata pepa mātiti rānei.

<https://nces.ed.gov/nceskids/createagraph/Default.aspx>

<https://nces.ed.gov/nceskids/createagraph/Default.aspx>

or <https://www.geogebra.org/m/BxqJ4Vag>

Wā Toha

Tīpakohia ngā ākonga hei tiritiri nāna i tīpako tētahi whakaaturanga whakairoiro tika mō te huinga raraunga, ā, kua hangaia he whakaaturanga mārāma ki ngā tapanga. Tāhoputia ngā tauākī ākonga e pā ana ki tō rātou kauwhata.

Hono

Pātai ki ngā ākonga ki te titiro atu ki ā rātou matapae tuatahi mō ngā whakautu ki ngā pātai, ā, kia kite mēnā kei te whakaae rātou, kei te whakahē rānei i ēnei matapae.

Whakaatu ki ngā ākonga te huarahi hei whakaatu raraunga mā te whakamahi i tētahi rākau poka (dot plot), ā, homai he huinga iti o ngā raraunga e pā ana ki te wā e pauhia ana ki te pānui, me pātai ki ngā ākonga ki te hanga i tētahi rākau poka mā te whakamahi i ngā tohu (stickers). <https://www.geogebra.org/m/BxqJ4Vag>

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kōhi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana
-Whakarite pātai tūhura ka whakautua e te raraunga
-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Whakamahere

Whakamahere ki te kōhi raraunga hei taunaki i te pātai tūhura:

-Tautohu i ngā kaiurupare
-Tautohu i ngā taurangirangi e kohia ana
-Tautohu i tā te kaituhura pūtaka ki te kōhi i ngā raraunga.

Te Kōhi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine

Whakamahi i ngā rautaki kōhi raraunga huhua ki te whakarāpopoto, ki te whakarōpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga matāmuri rānei
Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Whaingā ako Ka ako ngā mokopuna ki te:

Kohia me te kōmaka i ngā rōpū raraunga.

Tātari me te whakaatu raraunga tika mā te whakamahi i ngā whakaaturanga rerekē.

Pātai atu ki ngā pātai whakaaetanga mō tētahi huinga raraunga.

Ko ngā au me ngā tauira o te raraunga i runga i ngā huarahi whai tikanga.

Whakatautika kōwhiringa whakaatu e tohutoro ana ki ngā tauira miramira.

Rapanga Motuhake

He rerekē ngā mōhiohio o ēnei kāri raraunga mō ngā ngohe a ngā ākongā o ngā pakeke rerekē.

He aha ngā pātai ka taea e koe te pātai mō tēnei huinga raraunga? Kōmakatia ngā kāri raraunga hei whakautu i tō pātai.

Tāhoputia ō hua ki tētahi ripanga.

Whakaaturia ō hua mā te whakamahi i ngā kauwhata rerekē e rua neke atu rānei. Hangaia ngā tauākī mō te raraunga.

Ngā tini mata o te Marautanga

Te Tatari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē;
-Whakaingoa i ngā wāhanga o te whakaari
-Kei te tika te whakaari e ai momo raraunga
-Tautohu i ngā taurangirangi
-Whakamarāma i ngā āhua, i ngā tauira me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;
-Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei
-Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao..

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Ngā tini mata o te Reo Pāngarau

Tatauranga, raraunga, raraunga kāwai, raraunga tau katoa, raraunga tāupenga maha, tauira, tūhura, whakarite, whakaatu, kōmaka, whakarārangi, tohu, whakawhitiwhiti, matapae, whakatautika, putanga, kauwhata tātā me te rau, kauwhata pae, kauwhata tiwae, tā ira, awhe, aratau, tau waenga, hanga, kāhui, kai waho.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Rapanga 4

KKai te whakarite a Robertson Road i tētahi rōpū tiriti hai whakanui i a Matariki. E hiahia ana ngā kaiwhakahaere ki te mōhio e hia ngā tāngata e noho ana i roto i ngā whare i tēnei rohe kia whiwhi ai rātau i te kai rawaka mo te rōpū.

Ka taea e koe te kōmaka me te whakarite i te huinga raraunga i raro nei e whakaatu ana e hia ngā tāngata e noho ana i roto i o tātau whare?

4	5	3	2	4	1
5	6	6	3	4	10
2	6	2	5	8	1
4	5	2	4	2	3
2	4	5	3	5	4

Whakaaturia te raraunga me te whakapūkete i ō hua hei whakaaturanga. Ka taea e koe te kite i te aratau, te tau waenga me te awhe?

He aha tēnei e kōrero nei ki a koe mō te huinga raraunga? He aha te tohutohu ka pai?

Ka hoatu e koe ki ngā kaiwhakahaere o te rōpū tiriti?

Hei āwhina i te kaiako

I te wā o te whakarewa, pātai atu ki ngā ākonga kia kōrerorerotia ngā momo kauwhata ka taea te whakamahi hei tohu i ngā raraunga kāwai me ngā momo kauwhata ka taea te whakamahi hei tohu i ngā raraunga tau (te kauwhata tau me te kauwhata rau, te tā ira rānei). Tukuna ngā ākonga kia kōwhiri i tā rātou whakaaturanga raraunga engari me tautoko kia mōhio ai me tohu raraunga tau.

<https://www.geogebra.org/m/BxqJ4Vag>

Aroturuki mō ngā ākonga mā te whakamahi i ngā kupu tatauranga tae atu ki te hanga, te kāhui, te waho, te awhe, te aratau, te tau waenga.

Mō te tūmahi takitahi, he kupiki hono-maha e wātea ana kia mahi ai ngā ākonga i te tikanga.

Whakaaro Matua o te Ao Pāngarau

Ka taea e te raraunga te rerekē ki ngā huarahi rerekē (hei tauira, he rerekē ngā rahi me ngā kara) ā, ka taea te whakarite mā ngā huarahi rerekē me ngā āhuatanga rerekē (waiwai, ā-tau).

Ka taea te whakaatu me te whakamōhio i ngā raraunga mā ngā huarahi maha tae atu ki ngā kitenga raraunga.

Ka taea te kite i ngā tauira, te whakaahua, me te rārangi i ngā huinga raraunga me te whakamahi i ngā kitenga raraunga.

Ka taea te matapae mā te whakamahi i ngā huinga raraunga.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kōhi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai
-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga
-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:
-Tautohu i ngā taurangirangi e inehia ana
-Whakarite pātai tūhura ka whakautua e te raraunga
-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Wā Toha

Tīpakohia ngā ākonga hei tiritiri ko wai e tauākī ana e miramira ana i ngā kāhui matua me ngā putanga i roto i te raraunga tau.

Tāhoputia ēnei kōrero ki runga i te papa mā, ā, ka tono i ngā ākonga katoa kia whakaae, kia whakahē hoki ki ngā kōrero me ngā take.

Hono

Whakamahia ngā kupiki hono-maha me te tohu i ia whare. Pātai atu ki ngā ākonga kia kōmaka i ēnei kia raupapa mai i te iti rawa ki te nui rawa.

Whakaaturia ngā ākonga me pēhea e kitea ai e tātau te wawaenga, te tau tikanga rānei i roto i ngā kāinga mā te whakarōpū anō i ngā kupiki.

Whaingā ako Ka ako ngā mokopuna ki te:

Kōmaka me te raraunga rōpū.

Whakaaturia ngā raraunga tau mā te whakamahi i tētahi kauwhata tātā, rau rānei, i tētahi tā ira rānei.

Tāutua te āhua o te raraunga tae atu ki ngā kāhui me ngā waho.

Kimihia te aratau, te tau waenga, me te awhe o tētahi huinga raraunga.

Ko ngā au me ngā taura o te raraunga i runga i ngā huarahi whai tikanga.

Rapanga Motuhake

Ko Mereana te kaiwhakatū pātea mō te tīma poitarawhiti. I whakatau ia ki te tātari i āna tatauranga mō ngā pātea i ngā kēmu. I runga i ngā kēmu 8, ko te paerewa o tana pēke i te 5, ko te paerewa paerewa i te 6, ā, ko te momo i te 7.

He aha pea ngā pātea mō ia kēmu?

Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kōhi raraunga hei taunaki i te pātai tūhura:
-Tautohu i ngā kaiurupare
-Tautohu i ngā taurangirangi e kohia ana
-Tautohu i tā te kaituhura pūtaka ki te kōhi i ngā raraunga.

Te Kōhi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine
Whakamahi i ngā rautaki kōhi raraunga huhua ki te whakarāpopoto, ki te whakarōpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga mātāmuri rānei
Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Te Tatari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē;
-Whakaingoa i ngā wāhanga o te whakaari
-Kei te tika te whakaari e ai momo raraunga
-Tautohu i ngā taurangirangi
-Whakamarāma i ngā āhua, i ngā taura me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;
-Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei
-Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao..

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Ngā tini mata o te Reo Pāngarau

*Tatauranga, raraunga,
raraunga kāwai, raraunga
tau katoa, raraunga maha,
tauirā, tūhura, whakarite,
whakaatu, kōmaka,
whakarārangi, tohu,
whakawhitiwhiti,
matapae, whakatautika,
putanga, aratau, tau
waenga, awhe,
wawaenga, ko te tikanga,
te kāhui, te waho, te tātā
me te rau
kauwhata, tā ira.*

Rapanga 5

Ko te āwhina i te kāinga me te mahi tahi i ngā mea mo te wātea, ko tētahi huarahi e whakaatu ana i te aroha mo to whanau.

Pānuitia ngā pātai i tuhituhi ai koe mō ō kāri raraunga me te mahi matapae mō ngā hua.

Kōmakatia ngā kāri raraunga ki ngā huinga.

Hangaia ngā tauākī "E miharo ana ahau" mō ngā raraunga e whakaaturia ana i runga i te kāri raraunga.

Tuhia ngā pātai ka taea e koe te tūhura mā te raraunga. Tāhoputia ō hua hei whakautu i ngā pātai.

Whakaaturia te raraunga mā ngā kauwhata rerekē.

He aha ngā tauākī ka taea e koe mō te raraunga?

Hei āwhina i te kaiako

Awhinatia ngā ākonga ki te hanga i ngā "Kei te miharo au" whakapae. Kāore ēnei e pātai, engari ka taea e rātou te whakarerekē hei pātai. Mēnā e hiahiatia ana, whakaatuhia te huarahi ki te whakawhanake i te whakapae hei pātai. Ko ēnei pātai me whai wāhitanga ki ngā ākonga ki te tātari raraunga maha-āhua, me te whakarite rerekētanga me te tango i ngā tohutoro. Me mārama kei te tika ngā pātai, ā, mēnā e hiahiatia ana, awhinatia ngā ākonga ki te tuhi rerekē, ki te whakarereke rānei i ngā pātai.

Tīpakohia ngā ākonga ka taea te whakariterite me te tātaritia ngā raraunga i te huarahi pūmau mā te whakamahi i te rārangi raraunga. Awhinatia ngā ākonga ki te whakariterite pūmau mēnā e hiahiatia ana.

Tūmanako ngā ākonga ki te whakaatu mā te whakamahi i ngā momo rākau rerekē me te kōwhiri i ēnei i runga i te momo raraunga (hei tauira, raraunga rōpū vs raraunga tau). Tērā pea ka tae mai ki ngā rākau paerewa, ngā rākau pākākā, rākau poka, rākau stem and leaf, me te whakamahi i ngā whakaahua raraunga whakatauranga. Ka taea hoki ngā ākonga te whai wāhitanga ki te whakamahi i ngā taputapu ipurangi hei whakawhanake i ngā whakaahua rākau rerekē.

Whakaaro Matua o te Ao Pāngarau

Ka taea te tātari i ngā whakaaro me ngā pātai mō tētahi kaupapa motuhake mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka rerekē ngā raraunga i ngā huarahi rerekē (hei tauira, ka rerekē te rahi me te tae o tētahi taonga), ā, ka taea te whakariterite i ngā raraunga i ngā huarahi rerekē e pa ana ki ngā āhuatanga rerekē (rōpū, tau).

Ka taea te whakaatu me te whakawhiti raraunga i ngā huarahi rerekē, tae atu ki ngā whakaahua raraunga.

Ka taea te kite, te whakarāpopoto, me te tātari i ngā tauira kei roto i ngā raraunga, ā, mā te whakamahi i ngā whakaahua raraunga.

Ka taea te matapae i ngā hua mā te whakamahi i ngā huinga raraunga.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kahi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana
-Whakarite pātai tūhura ka whakautua e te raraunga
-Whakapae, ki te tāpae rānei i ngā kitenga kawatau. 17

Hei āwhina i te kaiako

E rua ngā kōwhiringa mō ngā utauta tuihono ko:

<https://nces.ed.gov/nceskids/createagraph/Default.aspx> (Mā tēnei e tuku kōwhiringa hei hanga i te kauwhata pae, te kauwhata porohita, te kauwhata raina, me te kauwhata rohe)

<https://www.geogebra.org/m/BxqJ4Vag> (dot plot).

Whakangāwaritia ngā ākonga kia kite i ngā kāhui matua me ngā waho i roto i te raraunga me te mahi tūhononga ki tā rātou pātai whakaaetanga.

Mō te tūhono, tautoko i ngā ākonga kia kite e whakaatu ana ngā kauwhata pae i ngā rerekētanga tau, ā, ka taea hoki te whakamahi hei whakataurite i ngā rōpū tāupe-maha i te wā e whakaahua ana ngā kauwhata porohita i te wāhanga puta noa i ngā rōpū.

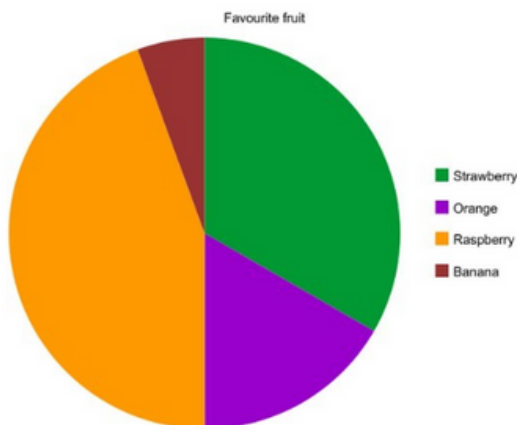
Mō te tūmahi takitahi, ka mahi tonu ngā ākonga i tā rātou tūhuratanga tatauranga, ā, ka taea te hanga kauwhata mā ngā utauta tuihono.

Wā Toha

Ko te tiri whakamuri mō tēnei tūmahi kei roto i te akoranga panuku. Whakahokia mai ngā ākonga ki te tiroiro i ngā momo kauwhata rerekē i te wā o te tūhono.

Hono

Titiro ki tēnei kauwhata. He aha ngā kōrero ka taea e koe?



Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kōhi raraunga hei taunaki i te pātai tūhura:
-Tautohu i ngā kaiurupare
-Tautohu i ngā taurangirangi e kohia ana
-Tautohu i tā te kaituhura pūtake ki te kōhi i ngā raraunga.

Te Kōhi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine
Whakamahi i ngā rautaki kōhi raraunga huhua ki te whakarāpopoto, ki te whakarāpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga mātāmuri rānei
Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Te Tatari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē;
-Whakaingoa i ngā wāhanga o te whakaari
-Kei te tika te whakaari e ai momo raraunga
-Tautohu i ngā taurangirangi
-Whakamarāma i ngā āhua, i ngā tauira me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;
-Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei
-Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao.

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

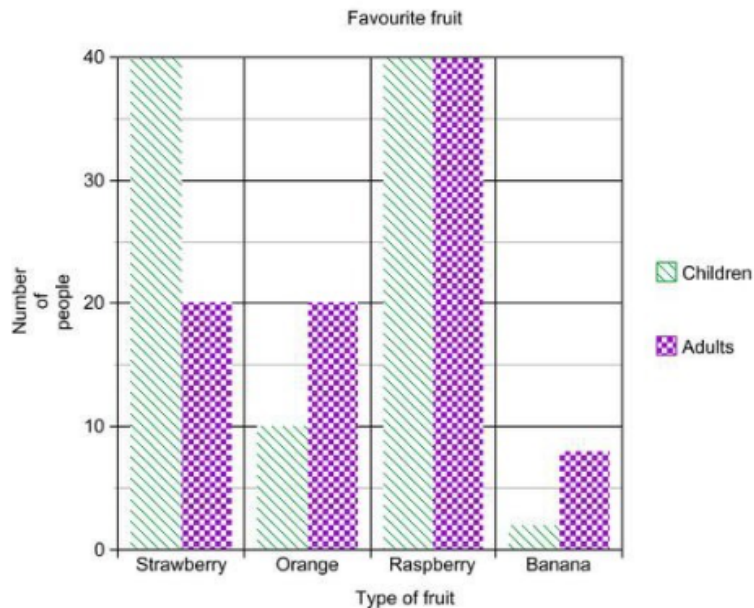
Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Hono

Tirohia tēnei kauwhata. He aha ngā kōrero ka taea e koe?



He pēhea te tuku mōhiohio ki a koe e ia kauwhata?
He aha te momo mōhiohio e whai take ana ia kauwhata hei whakaatu?

Whainganga ako Ka ako ngā mokopuna ki te:

Kohikohi, whakariterite, me te tatauanga raraunga.

Tātari me te whakaatu raraunga tika mā te whakamahi i ngā whakaahua rerekē.

Whakapā korero i ngā tauira me ngā rōpū raraunga i ngā huarahi whai take.

Whakapā korero i ngā hua mā te whakamahi i ngā whakaahua raraunga me ngā kaupapa tatauanga, tae atu ki ngā rōpū, ngā tārewa, paerewa paerewa, momo, pae, paerewa.

Rapanga Motuhake

Me mahi tonu i ō kauwhata me ō whakaaturanga mai i tō tūhuratanga kāri raraunga.

Whakaaturia ō raraunga mā ngā kauwhata maha.

He aha ngā tauākī ka taea e koe mō te raraunga?

Ngā tini mata o te Reo Pāngarau

Tatauanga, raraunga, raraunga kāwai, raraunga tau katoa, raraunga tāupenga, tauira, tūhura, whakarite, whakaatu, kōmaka, whakarārangi, tohu, whakawhitiwhiti, matapae, whakatautika, putanga, wawaenga, mōkito, tau waenga, aratau, awhe, whakataurite, ko te tikanga, te kāhui, te waho, te kauwhata pae, te tūtohi porohita, te tūtohi tātā me te rau, tā ira.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Rapanga 6

Ko te āwhina i te kāinga me te mahi tahi i ngā mea mo te wātea, ko tētahi huarahi e whakaatu ana i te aroha mo to whanau.

Hangaia tētahi whakaaturanga mō te tauaha kei roto o pātai tūhura me ngā kauwhata me ngā raraunga e whakaatu ana e whakautu ana i tō pātai.

Tuhia ngā tauākī me te whakamutunga mō tāu i kite ai.

Hei āwhina i te kaiako

I te tīmatanga, whakaatuhia ki ngā ākonga me aro rātou ki te whakariterite i te whakaaturanga o ō rātou raraunga, tae atu ki ngā whakapae me te kākahu hei kī korero mō ngā mea i kitea e rātou.

Aroturuki i ngā ākonga e whakamahi ana i te reo tatauranga, tae atu ki ngā rōpū, ngā tārewa, paerewa paerewa, te nuinga, te iti rawa, momo, paerewa, pae.

Mō te mahi motuhake, whakaritea ko ngā whakaahua raraunga nā ngā ākonga i hanga, me ō rātou pātai rangahau hoki.

Wā Toha

Pātai atu ki ia rōpū kia tiri anō i tā rātou whakaaturanga tae atu ki tō rātou pātai, ngā whakaaturanga raraunga, ngā tauākī, me ngā whakatauranga.

Hono

Pātai atu ki ngā ākonga kia whakaata i te whakamahinga o ngā whakaaturanga raraunga rerekē, ā, ko ēhea kauwhata he whai painga ki te whakaatu i ngā momo raraunga me ngā kāhui rerekē, ngā waho, me ngā tauira katoa i roto i te raraunga.

Whakaaro Matua o te Ao Pāngarau

Ka taea te tātari i ngā whakaaro me ngā pātai mō tētahi kaupapa motuhake mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka rerekē ngā raraunga i ngā huarahi rerekē (hei tauira, ka rerekē te rahi me te tae o tētahi taonga), ā, ka taea te whakariterite i ngā raraunga i ngā huarahi rerekē e pa ana ki ngā āhuatanga rerekē (rōpū, tau).

Ka taea te whakaatu me te whakawhiti raraunga i ngā huarahi rerekē, tae atu ki ngā whakaahua raraunga.

Ka taea te kite, te whakarāpopoto, me te tātari i ngā tauira kei roto i ngā raraunga, ā, mā te whakamahi i ngā whakaahua raraunga.

Ka taea te matapae i ngā hua mā te whakamahi i ngā huinga raraunga.

Ka rerekē ngā paerewa i ngā hua, ā, ka rerekē hoki te pae.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kohi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana
-Whakarite pātai tūhura ka whakautua e te raraunga
-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Whainganga ako Ka ako ngā mokopuna ki te:

Kohikohi, whakariterite, me te taturanga raraunga.

Tātari me te whakaatu raraunga tika mā te whakamahi i ngā whakaahua rerekē.

Whakapā korero i ngā tauira me ngā rōpū raraunga i ngā huarahi whai take.

Whakapā korero i ngā hua mā te whakamahi i ngā whakaahua raraunga me ngā kaupapa taturanga, tae atu ki ngā rōpū, ngā tārewa, paerewa paerewa, momo, pae, paerewa.

Rapanga Motuhake

Tirohia te pātai whakaaetanga me te whakaaturanga raraunga e ōrite ana ki tēnei.

Tuhia ngā tauākī mā te whakamahi i te "E miharo ana ahau" me te "E kite ana ahau" mai i te raraunga whakaatu.

Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kōhi raraunga hei taunaki i te pātai tūhura:
-Tautohu i ngā kaiurupare
-Tautohu i ngā taurangirangi e kohia ana
-Tautohu i tā te kaituhura pūtake ki te kōhi i ngā raraunga.

Te Kōhi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine
Whakamahi i ngā rautaki kōhi raraunga hūhū ki te whakarāpopoto, ki te whakarōpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga mātāmuri rānei
Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Te Tātari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē;
-Whakaingoa i ngā wāhanga o te whakaari
-Kei te tika te whakaari e ai momo raraunga
-Tautohu i ngā taurangirangi
-Whakamarāma i ngā āhua, i ngā tauira me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;
-Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei
-Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao..

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Mā te kaiako

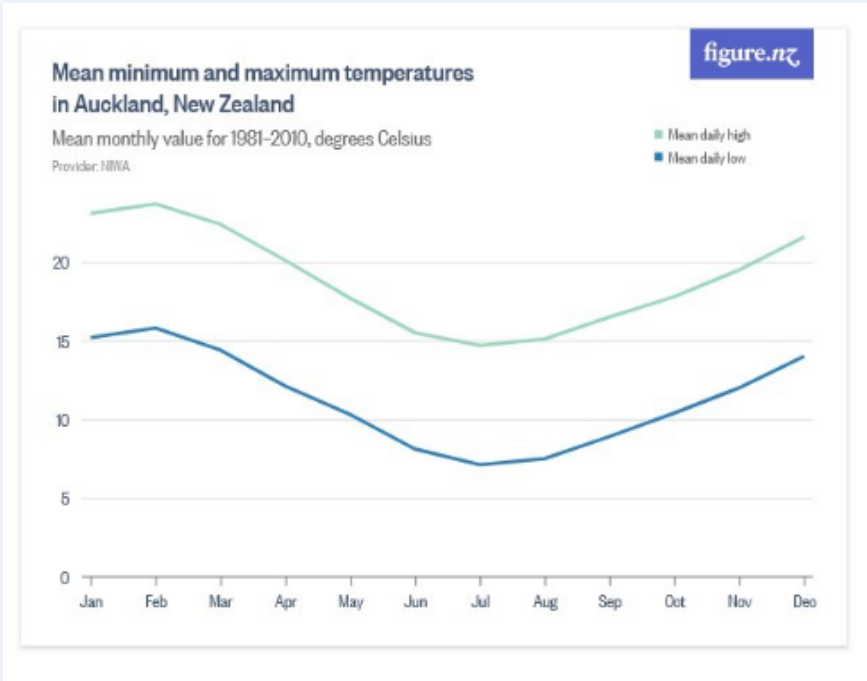
Ngā Rongoā me ngā paku hapa

Ngā tini mata o te Reo Pāngarau

*Tatauranga, raraunga,
raraunga kāwai, raraunga
tau katoa, raraunga
tāupenga, taura, tūhura,
whakarite, whakaatu,
kōmaka, whakarāangi,
tohu, whakawhitiwhiti,
matapae, whakatautika,
putanga, wawaenga,
mōkito, tau waenga,
aratau, awhe,
whakataurite, ko te
tikanga, te kāhui, te waho,
te kauwhata pae, te tūtohi
porohita, te tūtohi tātā me
te rau, tā ira.*

Rapanga 7

E whakaatu ana tēnei kauwhata i te pātea paerewa (paerewa) o ngā pāmahana tino makariri me ngā pāmahana tino wera i Tāmaki Makaurau i runga i ngā tau 29.



He aha tāu e kite ai? He aha tāu e miharo ai? Ka taea e koe te tauākī kōrero?

E whakaatu ana te ripanga o raro nei i te pāmahana i ia haora i te 1 o Pipiri 2022

12am	1am	2am	3am	4am	5am	6am	7am	8am	9am
17	17	17	16	16	17	16	16	16	17
10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm
18	20	20	20	21	20	20	19	18	17
8pm	9pm	10pm	11pm						
18	16	16	16						

Whakamahia te pepa kauwhata hei hanga i tētahi kauwhata raina o te pāmahana i te 1 o Pipiri.

Whakatauritea tēnei ki te kauwhata tuatahi.

Hangaia he huinga kōrero "E miharo ana ahau" me ngā kōrero "E kite ana ahau".

Whakaaro Matua o te Ao Pāngarau

Ka taea te tātari i ngā whakaaro me ngā pātai mō tētahi kaupapa motuhake mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka rerekē ngā raraunga i ngā huarahi rerekē (hei tauira, ka rerekē te rahi me te tae o tētahi taonga), ā, ka taea te whakariterite i ngā raraunga i ngā huarahi rerekē e pa ana ki ngā āhuatanga rerekē (rōpū, tau).

Ka taea te whakaatu me te whakawhiti raraunga i ngā huarahi rerekē, tae atu ki ngā whakaahua raraunga.

Ka taea te kite, te whakarāpopoto, me te tātari i ngā tauira kei roto i ngā raraunga, ā, mā te whakamahi i ngā whakaahua raraunga.

Ka taea te matapae i ngā hua mā te whakamahi i ngā huinga raraunga.

Ka rerekē ngā pea o ngā hua, ā, ka rerekē hoki ēnei.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kōhi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai
-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga
-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:
-Tautohu i ngā taurangirangi e inehia ana
-Whakarite pātai tūhura ka whakautua e te raraunga
-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Hei āwhina i te kaiako

Whakamōhiotia te tūmahi i ngā wāhanga e rua mā te tuku wā ki ngā ākonga ki te kōrerorero me te tauākī mō te kauwhata i te tuatahi i mua i te hoatu raraunga rangatū wā ki a rātou.

Whai pepa kauwhata, mātiti rānei e wātea ana kia hangaia e ngā ākonga te kauwhata raina.

Whakangāwaritia ngā ākonga kia kite i ngā au o te raraunga me te tautoko i a rātou ki te whakatautika i ngā tauākī mā te pānui i ngā whakaaturanga mai i te whakaaturanga raraunga.

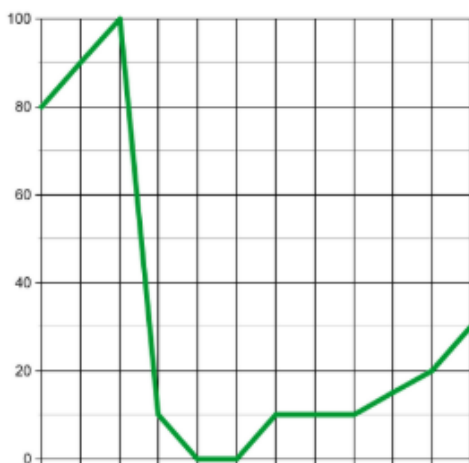
Me mōhio mēnā kei te mōhio ngā ākonga ko ngā raraunga rangatū wā anake mai i June, ā, ka taea te whakataurite ki ngā raraunga i whakaaturia mō taua marama kia whakaaturia ai ngā kauwhata e rua rangatū wā rerekē.

Wā Toha

Tīpakohia ngā ākonga hei tiritiri ko wai e whakamahi ana i ngā raraunga i whakaratoa hei whakataurite me te tā i ngā whakatauranga tika. Me whakauru tēnei ki te tāutu i ngā au o te raraunga me te whakamahi i ngā whakaaturanga raraunga hei whakatautika i ā rātou whakaotinga.

Hono

He kauwhata tēnei mo to matekai:



He aha ngā wā o te rā ka whakaaturia pea i runga i te kauwhata?

Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kōhi raraunga hei taunaki i te pātai tūhura:
-Tautohu i ngā kaiurupare
-Tautohu i ngā taurangirangi e kohia ana
-Tautohu i tā te kaituhura pūtaka ki te kōhi i ngā raraunga.

Te Kōhi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine
Whakamahi i ngā rautaki kōhi raraunga huhua ki te whakarāpopoto, ki te whakarōpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga matāmuri rānei
Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Te Tatari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē;
-Whakaingoa i ngā wāhanga o te whakaari
-Kei te tika te whakaari e ai momo raraunga
-Tautohu i ngā taurangirangi
-Whakamarāma i ngā āhua, i ngā tauira me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;
-Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei
-Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao..

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Whaingā ako Ka ako ngā mokopuna ki te:

Whakaatu raraunga rangatū wā mā tētahi kauwhata raina.

Whakataurite me te whakawhiti kōrero i ngā au me ngā tauira o te raraunga mā ngā huarahi whai tikanga.

Hangaia ngā tauākī mō ngā raraunga rangatū wā.

Ngā tini mata o te Reo Pāngarau

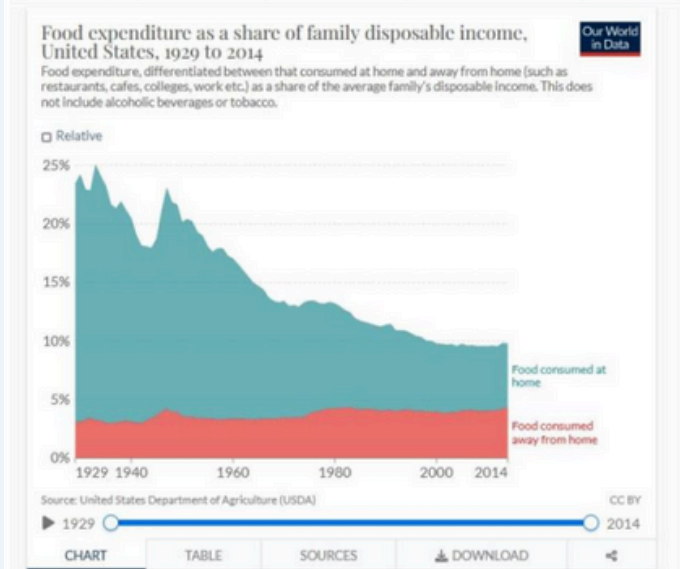
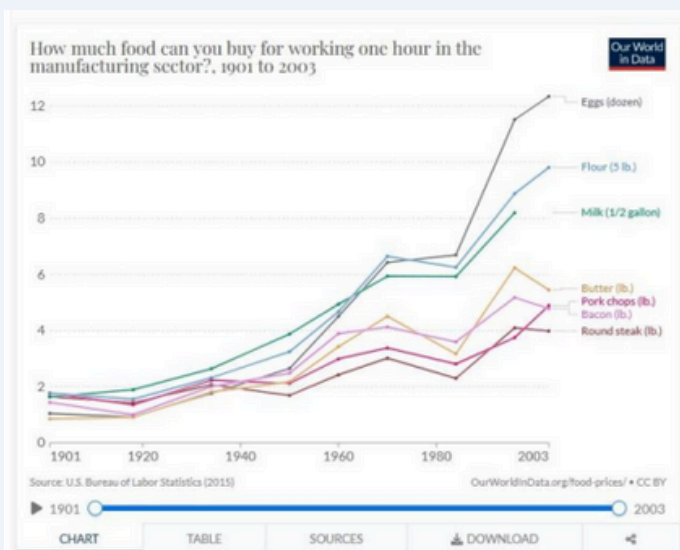
Tatauranga, raraunga, raraunga rangatū-wā, tauira, tūhura, whakarite, whakaatu, kōmaka, tohu, whakawhitiwhiti, matapae, whakatautika, hua, wawaenga, aratau, tau waenga, awhe, kauwhata raina, mōkito (minimum), mōrahi (maximum)

Rapanga Motuhake

Ko te raraunga i runga i ngā kauwhata i raro nei e whakaatu ana i te utu kai i te wā o Amerika.

Tīmata mā te tuhi i ngā kōrero "E miharo ana ahau" mō ia kauwhata.

Kōrerotia ngā mea e kitea ana e koe i ia kauwhata me te tuhi "E pānui ana ahau" **ngā kōrero**.



Mā te kaiako

Ngā Rongoā me ngā paku hapa

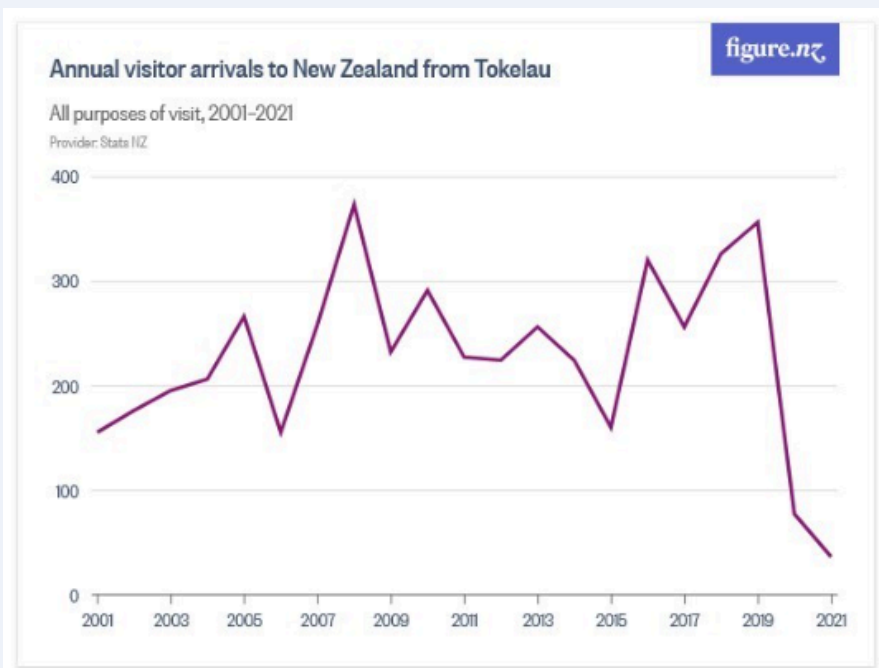
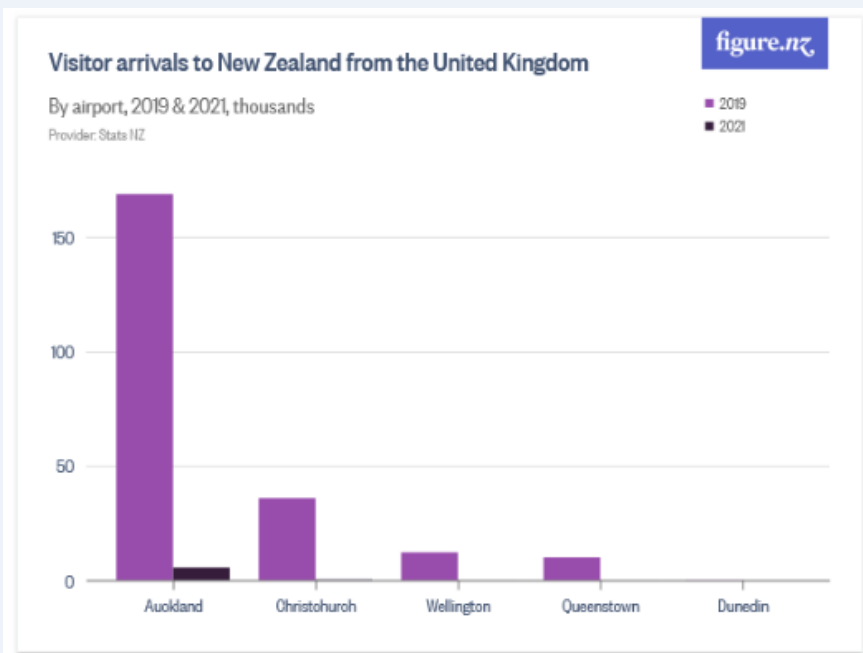
Rapanga 8

He ūnga tūruhi rongonui a Aotearoa. He nui hoki ngā tāngata e noho ana i Aotearoa e whānau ana i ngā whenua rerekē. Tirohia ngā kauwhata i raro nei, me te whakaaro mo ngā pūrākau e kōrerotia mai ana e rātau ki a mātau.

Tīmata mā te tuhi i ngā kōrero "E miharo ana ahau" mō ia kauwhata.

Kōrerotia ngā mea e kitea ana e koe i ia kauwhata me te tuhi "E pānui ana ahau" ngā kōrero.

He aha ngā pūrākau me ngā whakatauranga ka taea e koe te tuhi mō ngā raraunga e whakaaturia ana ki ngā kauwhata?



Whakaaro Matua o te Ao Pāngarau

Ka taea te tātari i ngā whakaaro me ngā pātai mō tētahi kaupapa motuhake mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka rerekē ngā raraunga i ngā huarahi rerekē (hei tauira, ka rerekē te rahi me te tae o tētahi taonga), ā, ka taea te whakariterite i ngā raraunga i ngā huarahi rerekē e pa ana ki ngā āhuatanga rerekē (rōpū, tau).

Ka taea te whakaatu me te whakawhiti raraunga i ngā huarahi rerekē, tae atu ki ngā whakaahua raraunga.

Ka taea te kite, te whakarāpopoto, me te tātari i ngā tauira kei roto i ngā raraunga, ā, mā te whakamahi i ngā whakaahua raraunga

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kōhi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

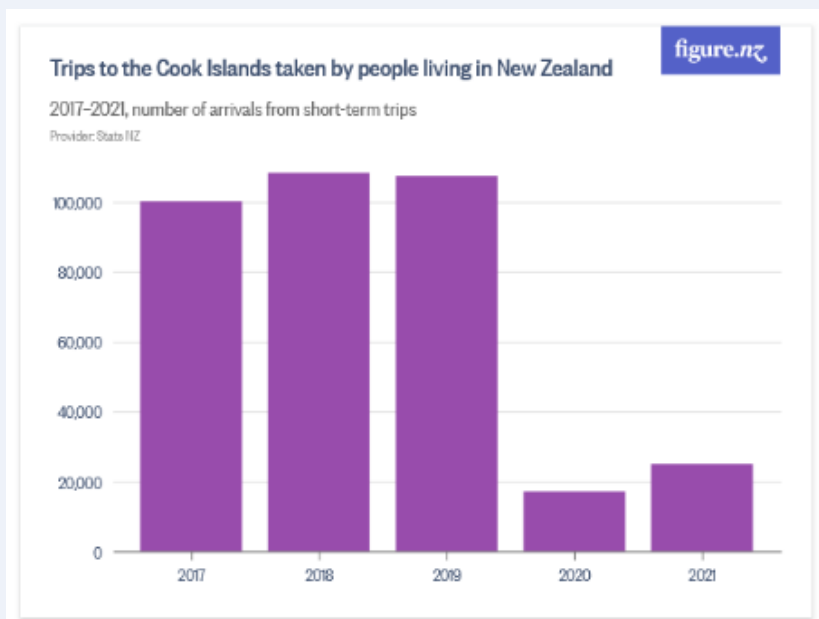
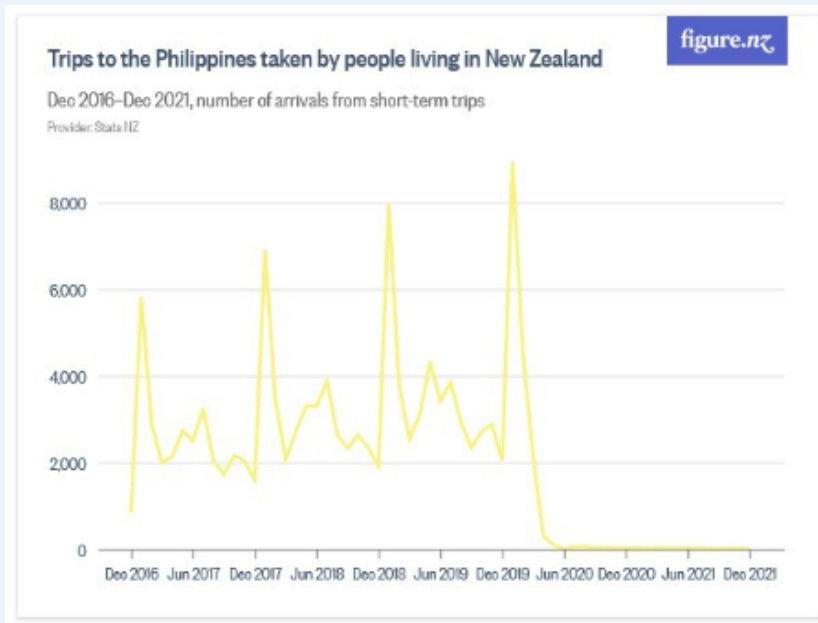
Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana

-Whakarite pātai tūhura ka whakautua e te raraunga

-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Rapanga 8



Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te koho raraunga hei taunaki i te pātai tūhura:

- Tautohu i ngā kaiurupare
- Tautohu i ngā taurangirangi e kohia ana
- Tautohu i tā te kaituhura pūtaka ki te koho i ngā raraunga.

Te Kohi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine Whakamahi i ngā rautaki koho raraunga huhua ki te whakarāpopoto, ki te whakarōpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga matāmuri rānei Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Te Tatari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē; -Whakaingoa i ngā wāhanga o te whakaari -Kei te tika te whakaari e ai momo raraunga -Tautohu i ngā taurangirangi -Whakamarāma i ngā āhua, i ngā tauira me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura; -Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei -Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao..

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Hei āwhina i te kaiako

Whakamōhiotia te tūmahi i ētahi wāhanga mā te tuku wā ākonga ki te kōrerorero me te tauākī mō ia kauwhata i mua i te hoatu i te kauwhata panuku. Tautoko i a rātou ki te whakawhanake i te pūrākau e kī ana ia kauwhata me te kōrerorero i te āhua o te raraunga.

Tautoko i ngā ākonga kia āta pānui i ngā kauwhata e mōhio ana ki ngā rerekētanga o ngā tauine me te kōrerorero he aha pea tēnei. Hei tauira, ko ngā manuhiri o UK e inetia ana e ngā mano, i te wā e hoatu ana ngā manuhiri mai i Tokelau hei tapeke i roto i ngā rau.

Mōhio mēnā ka taea e ngā ākonga te whakaingoa i te kauwhata me te momo raraunga (hei tauira, raraunga rangatū wā, kauwhata raina, kauwhata pae) me te mōhio ki ngā mea e whakaaturia ana ki ia tuaka.

Taurahia te reo tauanga mēnā e hiahiatia ana.

Mō te tūmahi takitahi, ka taea e ngā ākonga te hanga kauwhata mā te pepa mātiti, mā te whakamahi rānei i ngā utauta tuihono.

Wā Toha

Tīpakohia ngā ākonga hei tiri whakamuri nāna i hanga i ngā tauākī me ngā whakatauranga mai i ngā kauwhata. Tāhoputia ngā tauākī me ngā whakamutunga i runga i te papa, pepa rānei.

Hono

Pātai atu ki ngā ākonga kia whakaae, kia whakahē rānei ki ngā kōrero kei a ia.

Kua whakapūketetia. Ko ngā ākonga whakahau kia mahi ngātahi i tētahi whakamutunga e pā ana ki te pūrākau i kōrerotia i runga i ngā kauwhata.

Whaingā ako Ka ako ngā mokopuna ki te:

Whakapā korero i ngā tauira me ngā rōpū raraunga i ngā huarahi whai take.

Hanga me te whakapā korero i ngā whakapae mā te whakamahi i ngā whakaahua raraunga.

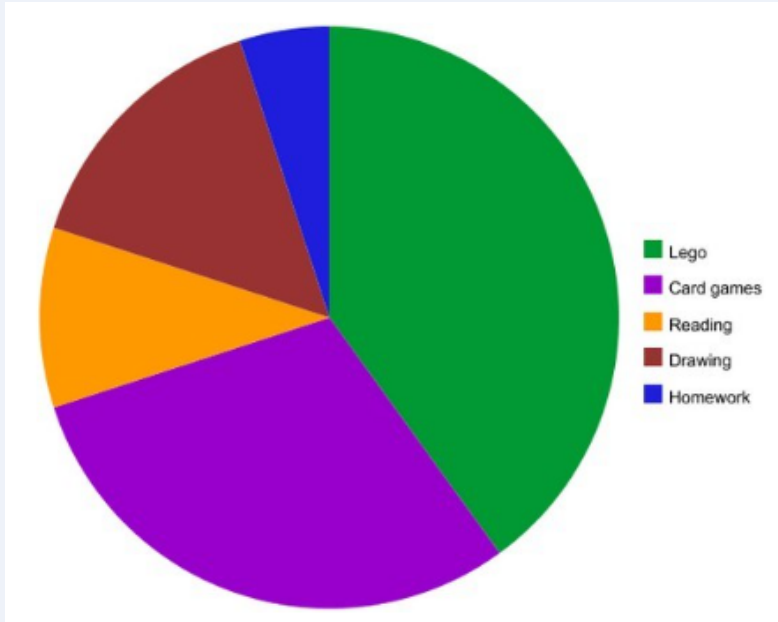
Whakaae me te whakahē i ngā kākahu i tukua e ētahi atu mā te whakamahi i ngā whakaahua raraunga.

Ngā tini mata o te Reo Pāngarau

*Tatauranga, raraunga,
raraunga tau katoa,
raraunga tāupenga maha,
tauira, tūhura, whakarite,
whakaatu, kōmaka,
whakarārangi, tohu,
whakawhitiwhiti,
matapae, whakatautika,
hua, wawaenga, mōkito,
mōrahi, whakataurite,
kāhui, waho ake,
kauwhata pae, wā
raraunga rangatū,
kauwhata raina.*

Rapanga Motuhake

Ko ngā hua tēnei o te uiuinga mai i te karaehe i te kura.



He aha pea te tirohanga?

E hia ngā ākonga e whakaaro ana koe kai roto i te karaehe?

E hia ngā ākonga e kōwhiri ana i ia kāwai?

E whakaatu ana i te raraunga mā tētahi huarahi kē.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Rapanga 9

Ko te pāmahana wawaenga (mean) i roto i te wiki, e 20 waeine whakarau. Ko te pāmahana tiketike e 25 waeine whakarau.

He aha pea te pāmahana i ērā atu rā? Tātuhia ripanga hei whakaatu i te raraunga rangatū wā.

Whakaaturia te raraunga rangatū-wā mā tētahi kauwhata raina.

Whakaritea he kōrero mo te pāmahana i te wiki.

Hei āwhina i te kaiako

Mōhio mēnā ka mōhio ngā ākonga ka taea e koe te whakawhanake i te huinga mā te paheko tau ki te 140 waeine i te wiki, i tētahi atu rānei mā te whakatautika i ngā pāmahana kia 40 ngā waeine. Tirohia te tika o ngā huatau.

Whai pepa kauwhata, mātiti rānei e wātea ana kia hangaia e ngā ākonga te kauwhata raina.

Whakangāwaritia ngā ākonga kia kite i ngā au o te raraunga me te tautoko i a rātou ki te whakatautika i ngā tauākī mā te pānui i ngā whakaaturanga mai i te whakaaturanga raraunga.

Mō te tūmahi takitahi, he kupiki hono-maha e wātea ana kia whakamahia e ngā ākonga hei kimi i te tikanga. Whai pepa mātiti e wātea ana hei hanga kauwhata.

Wā Toha

Tīpakohia ngā ākonga hei tiritiri nāna i whakamahi te tapeke 140 hei wāhi tīmata hei mahi i ērā atu pāmahana, i ērā rānei e whārite ana kia 15 ngā waeine me te 25 waeine, kātahi ka whakamahia ngā takirua hei whārite ki te 40 waeine.

Hono

Mēnā ko te pāmahana wawaenga (mean) e 10 waeine whakarau ki tua atu.

E whitu rā me te pāmahana teitei rawa ko te 20 waeine whakarau, me pēhea e tere ai tō mahi i ngā pāmahana e taea ana?

Whakaaro Matua o te Ao Pāngarau

Ka taea e te raraunga te rerekē ki ngā huarahi rerekē (hei tauira, he rerekē ngā rahi me ngā kara) ā, ka taea te whakarite mā ngā huarahi rerekē me ngā āhuatanga rerekē (waiwai, ā-tau).

Ka taea te whakaatu me te whakamōhio i ngā raraunga mā ngā huarahi maha tae atu ki ngā kitenga raraunga.

Ka taea te kite i ngā tauira, te whakaahua, me te rārangi i ngā huinga raraunga me te whakamahi i ngā kitenga raraunga.

Ka taea te matapae mā te whakamahi i ngā huinga raraunga.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kōhi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana
-Whakarite pātai tūhura ka whakautua e te raraunga
-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Whaingā ako Ka ako ngā mokopuna ki te:

Hangaia tētahi huinga raraunga rangatū-wā mā te whakamahi i te wawaenga hei pūwāhi tīmata.

Whakaatu raraunga rangatū-wā mā tētahi kauwhata raina.
Whakaritea ngā au me ngā taurira o ngā raraunga rangatū-wā i runga i ngā huarahi whai tikanga.

Rapanga Motuhake

Ko te tikanga ko te 10. E 12 te tau waenga. E 16 ngā tau o te huinga-raraunga. He aha pea ngā tau?

Hangaia he pūrākau mō te huinga raraunga me te pātai tērā pea ka whakautua.

Whakaaturia ō huinga raraunga me te tuhi tauākī mō taua mea.

Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kōhi raraunga hei taunaki i te pātai tūhura:
-Tautohu i ngā kaiurupare
-Tautohu i ngā taurangirangi e kohia ana
-Tautohu i tā te kaituhura pūtaka ki te kōhi i ngā raraunga.

Te Kōhi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine
Whakamahi i ngā rautaki kōhi raraunga huhua ki te whakarāpopoto, ki te whakarōpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga matāmuri rānei
Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Te Tatari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē;
-Whakaingoa i ngā wāhanga o te whakaari
-Kei te tika te whakaari e ai momo raraunga
-Tautohu i ngā taurangirangi
-Whakamarāma i ngā āhua, i ngā taurira me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;
-Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei
-Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao..

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Ngā tini mata o te Reo Pāngarau

*Tatauranga, raraunga,
raraunga rangatū-wā,
tauirā, tūhura, whakarite,
whakaatu, kōmaka, tohu,
whakawhitiwhiti,
matapae, whakatautika,
hua, wawaenga, aratau,
tau waenga, awhe,
kauwhata raina, mōkito,
mōrahi.*

Rapanga 10

Kai te whakahaua e te Warehouse ngā huinga o Lego mo te hokonga o te hōtoke. Kai te titiro rātau ki ngā hokohoko i roto i te toa kotahi i te wā o te hoko i tērā tau. Ko te raraunga tēnei i kohia e rātou.

Tāhoputia ngā hua i tētahi ripanga araunga.

Creator	Friends	City
Harry Potter	Ninjago	Creator
Friends	City	City
City	Creator	Ninjago
Creator	Friends	Harry Potter
City	City	Harry Potter
Creator	City	Friends
Ninjago	Creator	Creator
Ninjago	Ninjago	Creator
Harry Potter	Friends	City
Creator	Creator	Creator
Friends	City	Harry Potter
Ninjago	Harry Potter	Creator
Friends	Creator	Creator
Harry Potter	City	Creator
Creator	Harry Potter	Harry Potter
Friends	Creator	Creator
Friends	Ninjago	City

Whakaaturia tēnei ināianehei hei kauwhata.

He aha ngā tūtohutanga ka hoatu e koe ki te Warehouse?

Hei āwhina i te kaiako

E tūmanako ana kia tohu ngā ākonga mā te whakamahi i ngā whakaaturanga rerekē e rua. Kei roto pea ko tētahi ripanga raraunga, he kauwhata pikitia mā te whakamahi tohu, tētahi kauwhata pae rānei.

Whai pepa mātiti, me ngā whakapiripiri ira e wātea ana kia taea ai e ngā ākonga te hanga kauwhata, ngā ākonga rānei te hanga i ngā kauwhata mā te whakamahi

<https://nces.ed.gov/nceskids/createagraph/Default.aspx>

Whakaaro Matua o te Ao Pāngarau

Ka taea te uiui i ngā ariā me ngā pātai mō tētahi kaupapa tauwhāiti mā te kohikohi raraunga me te whakamahi hei whakautu i ngā pātai.

Ka taea e te raraunga te rerekē ki ngā huarahi rerekē (hei tauira, he rerekē ngā rahi me ngā kara) ā, ka taea te whakarite mā ngā huarahi rerekē me ngā āhuatanga rerekē (waiwai, ā-tau).

Ka taea te whakaatu me te whakamōhio i ngā raraunga mā ngā huarahi maha tae atu ki ngā kitenga raraunga.

Ngā tini mata o te Marautanga

Tau 5/6

Whakahaere tūhuratanga tauanga amio:

-Ka kōhi, ka wehewehe, ka whakaatu i ngā raraunga whakarōpū matatini, ngā raraunga tauoti, me ngā raraunga houanga māmā hei whakautu pātai

-Ka tautohu tauira, ka hono hoki ki tētahi horopaki, ki roto, ki waenga hoki i ngā huinga raraunga

-Ka whakawhiti putanga mā ngā whakaari raraunga.

Te whakarite Rapanga

Tūhura pūāhua whakarāpopoto me ngā pūāhua whakatairite me ngā pūāhua raraunga houanga mā te:

-Tautohu i ngā taurangirangi e inehia ana

-Whakarite pātai tūhura ka whakautua e te raraunga

-Whakapae, ki te tāpae rānei i ngā kitenga kawatau.

Wā Toha

Tīpakohia ngā ākongā hei tiritiri nāna i waihanga i ngā whakaaturanga raraunga mārama, ā, ka taea te whakatika mā te whakamahi i te raraunga mō ā rātou tūtohutanga ki te Warehouse

Hono

He aha ētahi atu raraunga me ētahi atu pātai e āwhina ana ki te kohikohi e pā ana ki ngā hokonga Lego i te Warehouse?

Whaingā ako Ka ako ngā mokopuna ki te:

Kohia, kōmaka, me ngā raraunga rōpū.

Whakaatu raraunga kāwai mā ngā whakaaturanga rerekē.

Ko ngā au me ngā tauira o te raraunga i runga i ngā huarahi whai tikanga.

Huatautia ngā wāhi hei tūhura mā te whakamahi tatauranga.

Rapanga Motuhake

Tīpakohia ngā tūmahī aromatawai e whai ake nei (kua āpitihia i te mutunga o te tuhinga) hei hohenga takitahi:

Aromatawai 1: Ko ngā hokohoko inu i roto i te wiki.

Aromatawai 2: Ngā teitei o ngā ākongā.

Aromatawai 3: Kauwhata tīwae me te kauwhata porohita.

Aromatawai 4: Ko ngā here Blah me ngā here Boing.

Ngā tini mata o te Marautanga

Whakamahere

Whakamahere ki te kōhi raraunga hei taunaki i te pātai tūhura:
-Tautohu i ngā kaiurupare
-Tautohu i ngā taurangirangi e kohia ana
-Tautohu i tā te kaituhura pūtaka ki te kōhi i ngā raraunga.

Te Kōhi Raraunga

Tautohu i ngā taurangirangi e taea ana te ine
Whakamahi i ngā rautaki kōhi raraunga huhua ki te whakarāpopoto, ki te whakarōpū me te whakatairite i ngā raraunga matāmua, i ngā raraunga matāmuri rānei
Whakatau me pēhea te pupuri me te tiaki i ngā raraunga.

Te Tatari me Te Whakatau

Waihanga me te whakamārama i ngā whakaari rerekē;
-Whakaingoa i ngā wāhanga o te whakaari
-Kei te tika te whakaari e ai momo raraunga
-Tautohu i ngā taurangirangi
-Whakamarāma i ngā āhua, i ngā tauira me ngā ia o roto i te horopaki e whai wāhi ana ngā taurangirangi me ngā rōpū e arohia ana.

Whakautu i te pātai tūhura;
-Whakatairite i ngā kitenga me ngā whakapae, i ngā tāpaetanga rānei
-Whakatairite i ngā kitenga me ō rātou mōhiotanga ki te ao..

Whakaahua rauranga mā te whakamahi kauwhata ira, kauwhata pou, tūtohi auau, kauwhata houanga

Whakahono i ngā whakataunga me ngā ataata raraunga ki te whakautu pātai tūhura

Tūhura pūāhua me te tuku pātai ka taea te whakautu

Whai māramatanga ki ngā raraunga motumotu, raraunga motukore hoki.

Mā te kaiako

Ngā Rongoā me ngā paku hapa

Ngā tini mata o te Reo Pāngarau

*Tatauranga, raraunga,
tauirā, tūhura, whakarite,
whakaaturanga, kōmaka,
whakarārangi, tohu,
whakawhitiwhiti,
matapae, hua,
whakataurite, Ngā ritenga,
ngā rerekētanga, te
ripanga raraunga, te
kauwhata pae, te
kauwhata tīwae.*

Aromatawai 1: Ko ngā hokohoko inu i roto i te wiki

[TEACHER NOTE: Students can use calculators to examine the data]

E whakaatu ana tēnei tūtohi i ngā momo inu rerekē i hokona i tētahi toa i te wiki.

	Rāhina	Rātū	Rāapa	Rāpare	Rāmere	KATOA
Coke	4	7	4	9	3	27
Sprite	2	2	5	5	4	18
V Drink	10	13	10	15	9	57
Water	2	4	5	4	1	16
Primo	5	3	7	8	4	27
Juice	5	0	0	0	0	5
KATOA	28	29	31	41	21	150

Hangaia ngā tauākī mō te raraunga mā te "Ka pānui ahau".

He aha ngā kōrero ka whakaritea e koe ki te rangatira o te toa mo ēhea inu hei hoko?

Aromatawai 2: Ngā teitei o ngā ākonga

[TEACHER NOTE: Students can use calculators to examine the data]

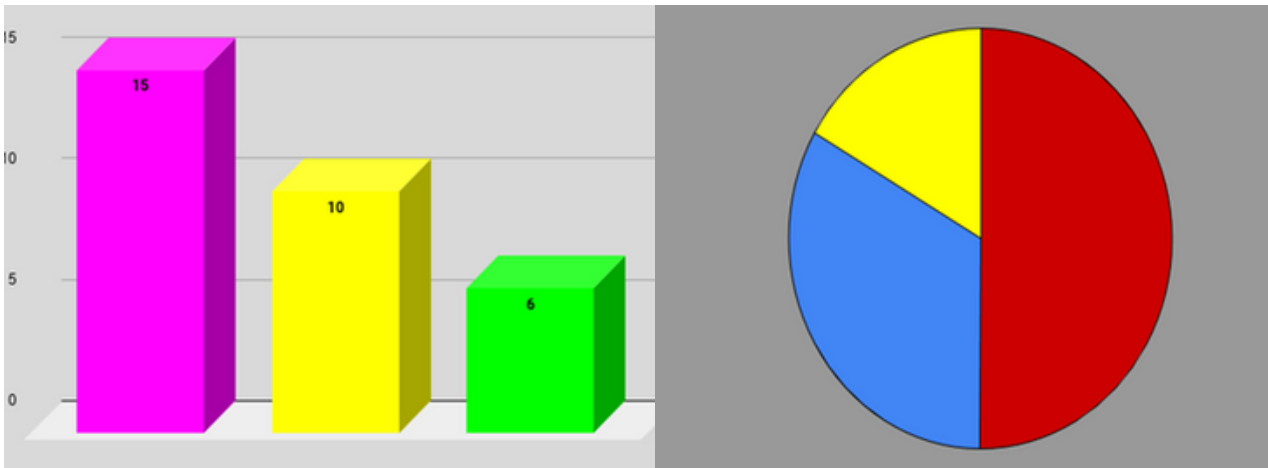
E whakaatu ana tēnei kauwhata i te inenga o ngā teiteitanga o ngā ākonga mai i te 101 cm ki te 159 cm. Whakaarohia ngā mea pēnei i ngā kāhui, ko te tikanga, te aratau, te tau waenga me te awhe.

15	4, 5, 9
14	2, 3
13	1, 3, 5, 6, 6, 7, 7, 7
12	0, 0, 2, 3, 5, 5, 8
11	6, 7, 7, 9
10	1, 1, 3

He aha ngā kōrero ka taea e tātau mo ngā tiketike o ngā tauira?

Aromatawai 3: Kauwhata tīwae me te kauwhata porohita

Ka taea e tēnei kauwhata tīwae me te kauwhata porohita te whakaatu i te raraunga ōrite? Me mātua whakamārama koe i tō whakautu.



Tuhia tētahi pūrākau mō ngā mea e whakaaturia ana e ngā kauwhata.

Aromatawai 4: Ko ngā Blah me ngā here Boing

[TEACHER NOTE: Students can use calculators to examine the data]

I te whakamātauria e te kamupene ngā here inarapa kia kitea he kaha ake. I whakapūketetia e rātau he henimita i te tawhititanga o te pēne inarapa i mua i te pakarutanga. Anei ngā hu akua whakakātauhia

	Length of stretch at breaking point (centimetres)														
Blah Bands	50	57	45	55	47	53	54	49	50	46	52	50	52	48	53
Boing Bands	61	36	38	40	61	61	43	38	60	60	42	50	37	39	41

Me pēhea tō whakarite me te whakataurite i tēnei raraunga? Whakaarohia ngā mea pēnei i te tikanga, te aratau, te tau waenga me te awhe.

He aha ngā kōrero ka taea e koe te mahi mō ngā momo here inarapa rerekē?

Ko ēhea ngā here inarapa e whakaaro ana koe me hoko te kamupene? He aha?