

Tau 7 Ngā Rauemi mā te Kaiako



Māpura Matihiko
Digital Ignition

Paheno i te ana

He Whakamārama

Ko te aronga o tēnei ngohe he waihanga i tētahi rārangi hātepe e tirohia ana i ngā here, ngā koromeke, me ngā āheinga hoki. Mā ēnei āhuatanga katoa e āhei ai a Hatupatu kia puta i te ana o Kurangaituku.

Te Tiaroaro Marau

Te Marau Hangarau: Hangarau Matihiko

Te Tupuranga Whakaaro Rorohiko

Te Whakatupuranga 5

- Ka panoni i tētahi āhua o te rapanga kia mārama ai ki te hātepe o te hangarau matihiko hei mahi waihanga papatono.

Te Marau Tikanga-ā-iwi

Te Whakaritenga Papori me te Ahurea

Taumata 1

1.1 Ka whakamārama i ngā take e uru atu ai te tangata ki te rōpū.

Te Ao Hurihuri

Taumata 1

1.1 Ka whakaahua i ngā kaupapa me ngā tūāhua whakahirahira o tōna ao

Te Wahi me te Taiao

Taumata 1

1.1 Ka whakamārama i ngā āhuatanga tūturu me ngā āhuatanga ahurea o tētahi wāhi .

Te Marau Pāngarau

Te Wahi me te Ahunga:

Taumata 2

Ka hanga, ka whakamahi mahere māmā:

- ka whakaatu taunga;
- ka whakaatu ahunga;
- ka whakamārama

Huarahi;

- ka whakamārama tirohanga.

Ka whakamārama taunga, ahunga hoki o ngā wāhi matua o te kura, te tāone me te rohe.

Te Wahi me te Ahunga:

Taumata 3

Ka hanga, ka whakamahi pūnaha ki te:

- whakaatu taunga;
- whakaatu ahunga;
- whakamārama huarahi.

Ka whakamahi i ngā tōpito matua ki te whakamārama taunga, ahunga hoki.

Ngā Taipitopito Awheawhe

Ngā Putanga Ako

Ka tāea e ngā akonga te:

- Tuhi hātepe (me pai te whakatakotoranga o ngā tohutohu kia ngāwari ai te hīraurau i ngā raruraru.)
- Mōhio pai ana ngā ākonga mehemea e hē ana ngā hua ka puta i te hātepe (ko ngā iro te take).
- Waia haere ki ngā āhuatanga o te patuiro me tōna hiranga kia whakatikatika, kia rapu hoki, i ngā raruraru e whakapā ana ki te hātepe.
- Tukanga patuiro:
 - a) Tīmatahia mai i te tīmatanga o te hātepe.
 - b) Whai atu i ngā tohutohu kia puta ake he raru mai i te hātepe.
 - c) Whakatikahia i tērā raru.
 - d) Ka tīmata mai anō i te hātepe kia puta ake ai te hua tika.
- Mārama ki ngā āhuatanga katoa o ngā here me tōna hononga ki te whakahaeretanga o ngā waehe
- Mārama ki te tikanga o te 'pūtake, arā, ngā tohutohu kua whakarōpūhia.
- Mārama ki ngā tikanga o te 'huringa me tōna āheitanga kia tāpatupatua ngā waehe.

Ngā Taputapu:

- [] He pepa ngohe
- [] Ngā pepa
- [] Pene hoki

Te Roanga

- 60 mīniti

Ngā Whakaritenga

- Ko te tūmanako kua mahia kētia ngā ākonga i ngā ngohe e rua i tuhia hei rauemi mō ngā kaiako Tau 7, arā, ko ngā ngohe 1a me te 1b – e wāea ana rānei ki ngā mahi papatonotanga.
- I mua i te tīmatatanga o te akoranga Paheno atu i te Ana), me tāruatia e te kaiako i ngā pepa ngohe kia tohaina atu ki ngā ākonga. Me mahi takirua ngā ākonga, ā, me riro hoki e rāua i tētahi pepa ngohe kia atawhaitia.
- Me mārama pai te kaiako ki ngā tikanga katoa o ngā kupu kua tuhia ki te kuputaka

Māhere Ako

He Whakatakinga

1. Tuku pātai atu ki ngā ākonga – e maumahara tonu ana rātou ki te kōrero paki mō Hatupatu rāua ko Kurangaituku.
2. Whakapuakitia ngā Kōrero Paki (Kei te wharangi 5 te Kōrero Paki)
3. Whakamōhio atu ki ngā ākonga he aha ngā ngohe kei mua i ā rātou. Ko tā rātou e mahi ai, he hanga hātepe maha kia āhei ai a Hatupatu kia paheno i te ana o Kurangaituku.

Te Whakahaere Māhere Ako

1. Tāruatia he pepa ngohe mō ia ākonga – Paheno atu i te Ana
2. Whakamaharatia ngā ākonga mō te tikanga o ngā tāuru, arā, koia ngā tohu me ngā raraunga ka riro ki ngā pūrere matihiko. Whakaatungia ngā pouaka tāuru ki ngā ākonga kua tāngia ki te pepe ngohe. Whakamāramatia ki a rātou ngā mahi, āhuatanga rānei o ngā pouaka whakauru. Ko tā ēnei pouaka he paheko hei paerongo mo te mBot, hei karu rānei mō Hatupatu.
3. Whakaatu atu i ngā pouaka e wātea ana hei whakamahinga mā rātou:
 - Haere whakamua
 - Haere whakamaui
 - Huri whakamatau
 - Kohia (Kia mōhio mai): Kotahi noaiho te taonga ka kohia i te wā kotahi).
 - Tukia
4. Tohua ngā ākonga kia pānuitia ngā āheinga aro Mua () kei runga i te pepa ngohe. Whakamātauhia mehemea e tāea ana e rātou te whakatau ka aha tēnei aheinga (Ka tohutuhia a Hatupatu kia haere whakamua, kia whakamahue hoki i ngā pouaka e toru).

haere tonu...

5. Tohua ngā ākonga kia whakatau he aha ngā āheinga o te `wholeLine()` me te `runDiagonal()`.
6. Me whakawhititwhiti kōrero ngā ākonga mo ngā āheinga o te `wholeLine()` me te `runDiagonal()`. Whakamaharatia ngā ākonga, in aha whakamahia te function `wholeLine()`, kotahi noa iho te item ka kohia, ehara ko ngā tūemi katoa.
7. Tuku pātai atu ki ngā ākonga mō te hiranga o ngā āheinga:
 - Mā ngā āheinga e māmā ai te whakahaere i ngā āhuatanga o te waehe.
 - Mā ngā āheinga e whiwhiria he aha te roanga o ngā tuhinga
 - Mā ngā āheinga e māmā ai te mārama i te waehe.
8. Whakamaharahia ngā ākonga mō te hiranga o te patuiro kia hangaia ai ngā hātepe.
9. Whakamāramahia i ngā nekehanga mo te patuiro kei raro iho nei:
 - a) Tīmatahia mai i te tīmatanga o te hātepe.
 - b) Whai atu i ngā tohutohu kia puta ake he raru mai i te hātepe.
 - c) Whakatikahia i tērā raru.
 - d) Ka tīmata mai anō i te hātepe kia puta ake ai te hua tika.
10. Tohua ngā ākonga kia whakamātauahia i ngā mahi kua tuhia ki te pepa ngohe. Ko te aronga o te ngohe nei kia tuhia ngā hātepe rerekē, ā, hei te mutunga, me tutuki kia 5 ngā hua rerekē.
 - Me tau ki runga o ia pouaka o te mahere
 - Me mau ki te nuinga o ngā tāonga kaura
 - Tukia i ngā moko katoa
 - Me whakaarohia e rātou i ētahi whainga mo rātou anō.

He pitopito kōrero: Inā ka whakamahia te pouaka 'pickUp', kotahi noa iho te tūemi ka kohia i te wā kotahi. Inā ka whakamahi te pouaka 'Tukia', kotahi noa iho te moko ka tukia i te wā kotahi.
11. Me whai wā ngā ākonga kia tuhia ngā hātepe e rima, kia kaute hoki i ngā nekehanga katoa o ia hātepe.
12. Hei te mutunga o tēnei ngohe, tohua ngā ākonga kia whakamātauahia, kia patuiro hoki, i ngā hātepe ā ia ākonga. Me whai tika i ngā hātepe kia whakatau ai i te ara kua horahia e te hātepe.
13. Tohua ngā ākonga kia whakatairitia ō rātou hātepe kia kitea kei a wai ngā nekehanga iti iho.

Te Whakamutunga

1. Tuku pātai ki ngā ākonga mō ngā āhuatanga i puta i te wā i rapu iro ai rātou?
2. Tuku pātai ki ngā ākonga mō ngā pāinga ka puta inā ka tirohia ā rātou hātepe e ō rātou hoa. He pāinga ka puta, kahore rānei?
3. Kōrerohia mō te hiranga o te mahi kia tutuki pai ai ngā mahi, kia whakapakari hoki i ngā pūkenga whakatikatika raru.
4. Tuku pātai ki ngā ākonga mō ngā ōritenga, mō ngā rerekētanga hoki, o ā rātou hātepe ki tō te akomanga whānui?
5. Tuku pātai ki ngā ākonga mō ngā āhuatanga i tirohia e rātou kia whakatau ko ēhea hātepe i pai ai te waihanga, te tuhi rānei?
6. Tuku pātai ki ngā ākonga mō ngā here me ō rātou pāinga?
7. Tuku pātai ki ngā ākonga mō ngā take i whakamahia ai ngā āheinga i roto i ā rātou hātepe?
8. Tuku pātai ki ngā ākonga mō ngā āheinga i waihanga e rātou, ā, mō ngā take hoki i hangaia ai?

Ngā Kupu Hou

Wāwāhi	He mahi wāwāhi i tētahi raru ki ētahi wāhanga ririki.
Hātepe	He ara tohutohu ki te whakatika i tētahi rapanga. He ngāwari, ka mārama hoki te whai atu.
Iro	Kua rerekē te hua o te hātepe ki tāu i whakaaro ai.
Patuiro	<p>He tukanga hei kimi i te rongoā kia whakatikangia tētahi raru kei roto i tētahi hātepe.</p> <p>Te tukanga patuiro:</p> <ol style="list-style-type: none"> a) Tīmatahia mai i te tīmatanga o te hātepe. b) Whai atu i ngā tohutohu kia puta ake he raru mai i te hātepe. c) Whakatikahia i tērā raru. d) Ka tīmata mai anō i te hātepe kia puta ake ai te hua tika.
Here	Mā ngā here e āhei ai te whakamahi i ngā waehehere rerekē mō ngā āhuatanga rereke.
Āheinga	Koia ngā tohutohu kua whakarōpuhia, ā, ka whakaingoatia taua rōpu.
Koromeke	Te paparua waehehere kia maha nei ngā wā.

Hatupatu me te wāhi ne-manu

I a Hatupatu e whakangāngahu ana i te ngahere, ka tūtaki a ia ki tētahi wāhine e whakahinga hoki ana i ētahi manu. Ko Kurangaituku tōna ingoa. E rite marika ana tōna āhua ki tō te manu, he parirau kei ōna ringaringa, kahore ōna matimati ēngari he matihao roa kē. He koi, he māro, he roa hoki te āhua o ōna ngutu, nā tēnei i āhei ai ia ki te whakahinga i ngā manu.

Ka kahākinatia a Hatupatu e Kurangaituku, ā, ka haria a ia ki tōna ana noho taurekareka ai.

Ka hī ake te rā, ka wehe a Kurangaituku ki te whakahinga i ngā manu, ā, ka noho ko Hatupatu anake ki te ana rapurapu ai i ngā tāonga ki roto i te ana. Ka kitea e Hatupatu i ngā kararehe maha e noho mōkai ana mā Kurangaituku. He manu, he mokomoko, he taiaha, me ngā korowai maha hoki. I a rā, ka mīharo a Hatupatu ki ngā tāonga, ka tipu hoki tōna pīrangī kia Paheno i te ana haria ai i ngā taonga katoa.

I tētahi ata anō, ka kī atu a Hatupatu ki a Kurangaituku, “Me tawhiti rawa tō haere, ki tua o ngā maunga, ki reira koe e riro manu ai hei kainga mā tāua.”

Ka whakaae a Kurangaituku ki ēnei korero, ka haere ia.

Ka pōhēhē a Hatupatu kua tawhiti te haere ā Kurangaituku, ā, ka timata ai ia ki te pāhuatia i te ana, ka tāhae hoki e ia ētahi o ngā tāonga, ka pakarutia hoki ētahi. Ka puta atu tētahi o ngā manu-mōkai ā Kurangaituku kia tikina atu i a Kurangaituku. I ā ia e rere ana, ka waiatatia e te manu i ngā kupu “Kurangaituku, kua whakapōharatia tō kāinga, kua pakarutia ā tāua tāonga!”. Ka kaha tonu te manu ki te waiata i ēnei kupu, ka whakapāoa tonu i ā ia e rere haere ana.

Ka pāhemo ake te wā, ka rangona e Kurangaituku i te manu, ka hoki tere atu ki tōna kāinga.

Ka tae atu ā ia ki te ana, kāore he tangata i reira, hēoi, ka whakaatungia e te manu ki ā ia te wāhi i oma atu ai a Hatupatu, ka whai atu ia.

Ka rangona e Hatupatu i a Kurangaituku e whai ana i ā ia, ka whakaaro ake ia “Ka aukatia au i konei”, ka hakatia e ia i tētahi karakia i mohio ai ia “E te toka, huakina mōku. Huakina.” Ka huakina te toka, ka huna ai ia ki roto. Ka pāhemo e Kurangaituku te toka, hēoi, tē tāea e ia te kite i a Hatupatu, ka oma tonu ia. Ka rerehu te reo tangi o Kurangaituku, ka puta mai a Hatupatu i te toka, ka oma anō.

Ka tae a Hatupatu ki ngā tai o Rotorua, ka rukua ngā wai kia kau atu ki tōna kainga e tū ana ki waenga i te motu o Mokoia. I tōna taenga atu ki reira, ka tūtaki anō ia ki ōna mātua i noho pōhēhē ana i runga i te whakaaro kua mate a Hatupatu.

I ēnei rā, ka kitea tonutia te toka i hauruatia ai e Hatupatu i ngā wa o mua. He wāhi tapu tēnei e noho haumarua ana ki raro o Tūwharetoa, Te Arawa, me Ngāti Raukawa. I ētahi wā, ka waiho koha e ngā tangata nō wāhi kē pēnei i ngā rārahu, korari, me te kai hoki.

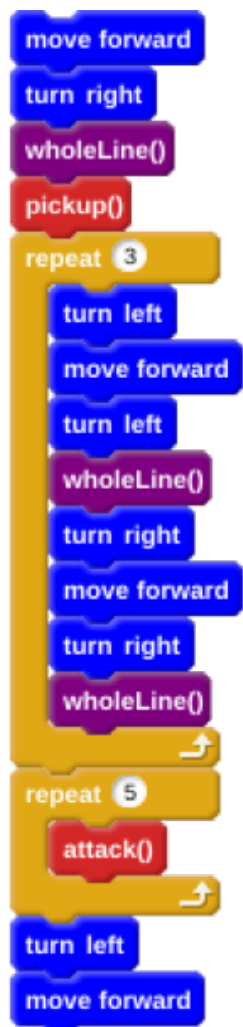
He kupu mā te kaiako: Kua tuhia te katoa o ēnei kōrero ki te wharangi ipurangi kei raro iho:

<http://teaohou.natlib.govt.nz/journals/teaohou/issue/Mao53TeA/c16.html>

Ngā whakautu

1. Me tau ki runga i ngā pouaka katoa o te mahere.

Pitopito korero: I ētahi wā ka warewaretia e ngā ākonga kia kohia i te taiaha. Inā ka tae atu rātou ki te nekehanga patuiro, me whakamaharatia ngā ākonga kia kohia te taiaha.



Ngā nekehanga: 17

2. Kohia i te nuinga o ngā taonga koura.



Ngā nekehanga: 20

3. Tukia i ngā moko katoa

Pitopito korero: I ētahi wā ka warewaretia e ngā ākonga kia kohia i te taiaha. Inā ka tae atu rātou ki te nekehanga patuiro, me whakamaharatia ngā ākonga kia kohia te taiaha.

```
move forward
turn right
wholeLine()
pickUp()
runForward()
turn left
runForward()
move forward
attack()
turn right
runForward()
turn right
runForward()
move forward
repeat 5
  attack()
turn left
move forward
```

Ngā nekehanga: 18

4. Kia tere te puta i te ana

```
move forward
turn right
wholeLine()
pickUp()
turn left
repeat 6
  move forward
repeat 5
  attack()
move forward
```

Ngā nekehanga: 10

Ētahi atu rauemi mā te kaiako

Rauemi	Whakamārama
Nga Tauaro mahi Marau: Hangarau Matihiko http://hangaraumatihiko.tki.org.nz/	<p>Kua whakaritea e Te Tāhuhu o te Mātauranga i ētahi tauaro mahi hangarau mō te whakaaro rorohiko, te waihanga me te whakaahu huanga hangarau. He maha ngā rauemi, e whakaatu ana i ngā rautaki pai hei whakaako i ngā mahi Hangarau Matihiko kei te whārangi ipurangi 'Technology Online.'</p>
GameFroot Te Hanga Mihi http://make.gamefroot.com/#/activity/mihi-maker	<p>Kua waihangatia e Gamefroot i ētahi akoranga-ā-hiko e whakaako ana i ngā tāonga e tino hāpai ana i ngā mahi waehe, hēoi, ko tētahi aronga anō tā rātou he whakaako ki te minenga me pēhea e whakatakoto ai i te pepehā o te tangata. Ka kitea whānuitia te reo Māori ki tēnei o ngā akoranga-ā-hiko.</p>
Code.org: Unplugged https://code.org/curriculum/unplugged	<p>Kua kohikohia e Code.org i ētahi akoranga hei whakaako i ngā āhuetanga katoa o te pūtaiao rorohiko, ā, ka tutuki ai tēnei inā he rorohiko tā te ākonga, kāore rānei. Ka tāea te whakahaere i ēnei akoranga hei akoranga motuhake, hei kīnaki rānei i tētahi akoranga pūtaiao rorohiko.</p>
Nga Kohi https://studio.code.org/courses?view=teacher	<p>E whakaako ana e Code.org i ngā ara akoranga mō ngā ākonga kei te reanga K-12, ā, mō ngā kaiako hoki e rapua ana i ngā akoranga ki taumata kē. Ka tāea e koe te rehita mō ēnei akoranga, ā, kāore hoki he utu. Ko tētahi atu painga, māu anō e whiriwhiri i te roanga, i te rāpopoto rānei, o te wā hei wā ka oti ai koe i ēnei ara akoranga katoa.</p> <p>Kei reira hoki he rōpū kaiako e kaha ana ki te whakawhitiwhiti kōrero, whakawhitiwhiti whakaaro hoki, mō ā rātou hikoinga aha atu rānei.</p>
Mo ngā ākonga https://studio.code.org/projects/public	<p>Kei te wāhanga 'kaupapa' o te whārangi ipurangi a Code.org e āhei ai ngā ākonga kia waihanga kēmu kia takarohia e ētahi atu, ā, kia takaro rānei i ngā kēmu kua waihangatia e ngā ākonga hurinoa i te ao.</p>
BBC Bitesize Computing https://www.bbc.com/education/subjects/z34k7ty	<p>Kei tēnei whārangi ipurangi ētahi pitopito kōrero, paku kiriata hoki, e hāngai ana ki ngā āhuetanga o ngā rorohiko i tēnei ao, ngā tahurua me te mawe raraunga, ngā taputapu rorohiko, tuhononga, pūmanawa rorohiko, putu raraunga me te mahi papatono.</p>

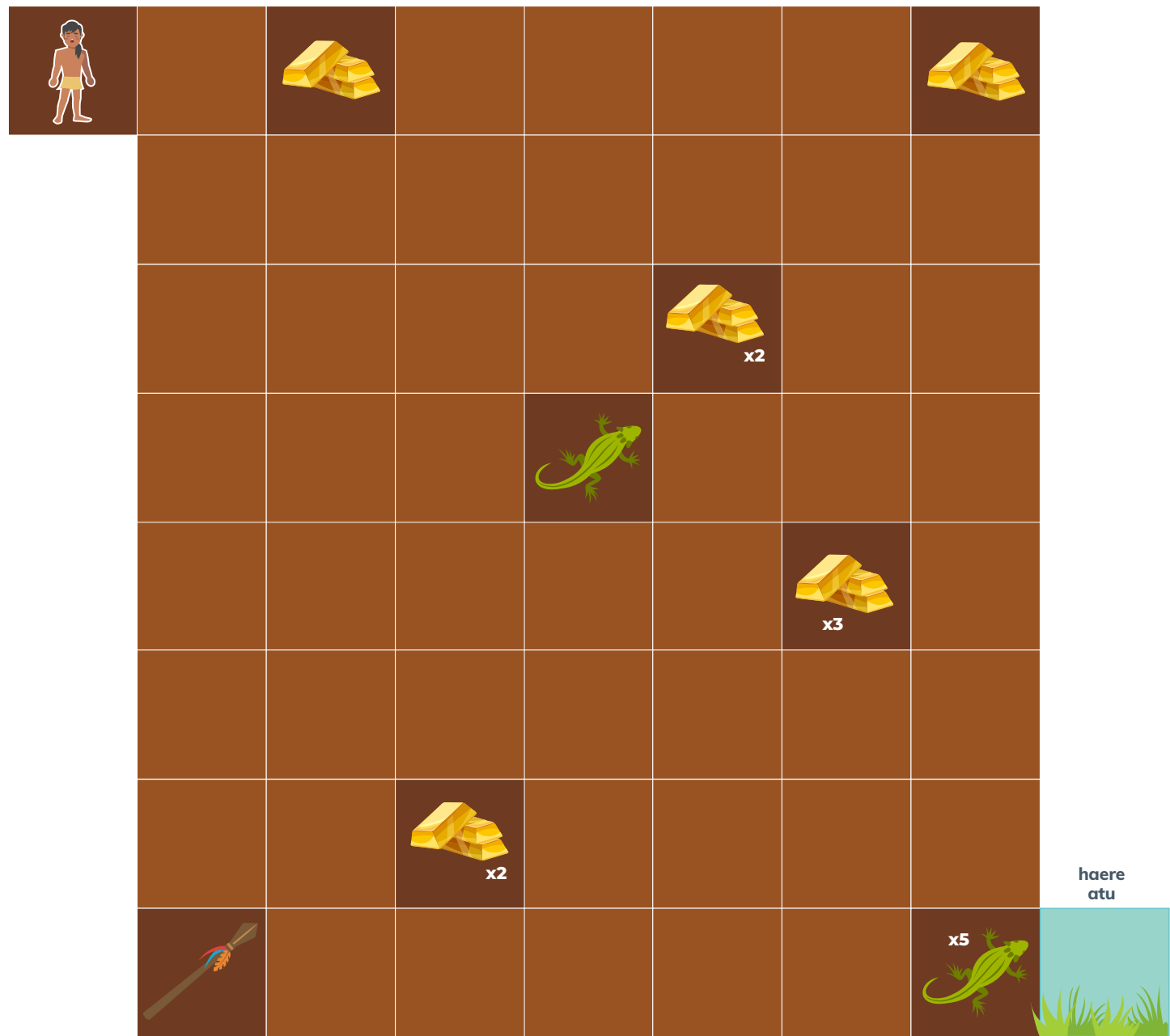
Rauemi	Whakamāramatanga
ScratchJr He Paetukutuku me te Taupanga Kore Utu https://www.scratchjr.org/	<p>Ko ScratchJr he taupānga kore utu mā runga pūrere Apple me te Android.</p> <p>Kei roto i ētahi akoranga mā ngā tamariki ki te hanga i ō rātou ake kēmu, pūrākau pāhekoheko. Mā te whakahono i ētahi wāhanga whakairoiro ka hanga nekehanga te tamaiti pērā ki te peke, te kanikani, me te waiata. Mā tēnei tukanga e wāea ai te tamaiti ki te whakatika raruraru, whakaahua hinonga, ā, ka whakaihiihi i tōna ake auahatanga mā runga rorohiko. Ki tēnei horopaki ka whai tikanga ōna pūkenga pangarau me te reo, i a ia e kōhungahunga tonu ana.</p> <p>Ki te kore he papahiko i te akomanga, he koreutu te whakamahi i te whārangi ipurangi Scratch, ēngari, kei taumata kē atu.</p>
Ngā Akoako https://www.scratchjr.org/teach/activities	<p>Kei te whārangi ipurangi ā ScratchJr ētahi ngohe hei whakaako i ngā ākonga me pēhea te whakamahi i a ScratchJr.</p>
Nga Rauemi Kaiako https://www.scratchjr.org/teach/curricula/animated-genres	<p>Mā ScratchJr e hoatu i ngā akoranga rerekē mo te pūtaiao rorohiko ki ngā tamariki, engari ka tāea tonu e rātou te whakatinana i ngā pūkenga kia whakaaro hohonu ai, kia rapu whakahoki rānei ki ngā raru taumaha. Ka tirohia ngā akoranga ki ngā huarahi hei hanga pūmanawa tautono, hei whakaputa whakaaro i roto i ngā mahi hangarau, me ngā hoahoa e whaiwhakaaro ana ki ngā kaiwhakamahi.</p>
Scratch Te Paetukutuku https://scratch.mit.edu/	<p>Kei te whārangi ipurangi ā Scratch ētahi hōtaka kua whakaritea kētia, mā ēnei hōtaka e tāea ai ngā ākonga te auahatia ngā pakiwaitara matihiko, ngā kemu, ngā pakiwaituhi hoki. Ka tāea hoki ngā ākonga te pupuri, te atawhai rānei i ēnei hanganga kia kitea ai te minenga.</p>
Ngā Akoako Ataata https://scratch.mit.edu/help/videos/	<p>Kei te whārangi ipurangi o Scratch tētahi rārangi ataata e mau ana i ngā papa akoranga ataata e whakaatu ana i ngā tini pūkenga kia mārama mai ai koe me pēhea te whakamahi i a Scratch.</p>
Ngā Akoako kua whakaritea e ngā Kaimahi https://scratch.mit.edu/studios/1817151/	<p>He kiriata i hangaia e ngā kaituitui i tēnei kaupapa taupānga hei tiroiro mā te iwi. Kua hangāia mō ngā kaiwhakamahi.</p>

Rauemi	Whakamāramatanga
Code.org: He Haora Waehere https://code.org/learn	<p>Nā Code.org' i waihanga i te kaupapa e kiia nei ko te 'Hour of Code', ko te aronga o tēnei he atawhai i ngā ako-ranga-ā-hiko e pā ana ki ngā mahi waehere mō ngā tamariki ahakoa he aha te pakeke. Ko te hanganga o ēnei akoranga-ā-hiko he whakamahi i ngā atāmira, me kii, e whakamahia ai ngā tūāhangata rongonui e mōhio whānuitia ai e ngā tamariki katoa o te ao, pēnei tonu i a Minecraft, Star Wars, Moana and Frozen. Ko te nuinga o ēnei ako-ranga-ā-hiko kua tuhia ki ngā reo maha, ko ētahi kua tuhia hoki ki te reo Māori. Ko tētahi hua anō ka puta i ēnei ako-ranga ko te whakaako i ngā momo tikanga-ā-iwi (pēnei tonu i te Game-froot's Mihi Maker).</p>
Google: Made with Code https://www.madewithcode.com/	<p>He whārangi ipurangi tēnei e whakaatu ana i ngā akoranga-ā-hiko mō ngā taitamariki kōhine e whai mohiotanga mō te papatonotanga rorohiko.</p>

He Pepa Ngohe : Paheno i te ana (1 of 8)

Tuhia ngā hātepe kia āhei ai a Hatupatu kia pāheno atu i te ana.

Timatahia i konei



Ko ngā nama kua tuhia ki roto o te pouaka e whakaatu ana e hia ngā ahanoa kei roto i taua pouaka. Hei tauira, e rima ngā moko e tautiaki ana i te ara puare o te ana.

He Pepa Ngohe : Paheno i te ana (2 of 8)

Ngā ture

1. Me whakamau i te taiaha i te tuatahi kia āhei ai koe te kite ki tua o ngā moko.
2. Me tukia te katoa o ngā moko kia āhei ai koe ki te whakawhiti.
3. Mā ngā hātepe e āhei ai koe te tae atu ki te Putanga.

Ngā whāinga

Tuhia he hātepe rerekē ki runga i ngā paraka mō ngā mea kei raro iho.

1. Me tau ki runga o ia pouaka o te mahere
2. Me mau ki te nuinga o ngā tāonga koura
3. Tukia i ngā moko katoa
4. Kia wawe tō puta i te ana.
5. Kia whakatutuki i ōu ake whāinga.

Paraka






Kei a Hatupatu ngā paraka tāuru kei raro iho:

Detect GOLD

Detect FEATHER

Detect LIZARD

E āhei ana te whakamahi i ngā paraka kei raro iho:

	Ka neke whakamua a Hatupatu (x1)
	Ka huri whakamauī a Hatupatu
	Ka huri whakamatau a Hatupatu
	Ka kohia e Hatupatu i tētahi mea
	Ka tukia e Hatupatu i tētahi moko



He Pepa Ngohe : Paheno i te ana (3 of 8)

Ka tāea e koe te whakamahi i ngā āheinga kei raro iho:

wholeLine()

runForward()

runDiagonal()

Ko ngā āheinga me ngā taurira

Ka tāea e koe te whakaingoatia i ōu ake āheinga mā te whakamahi i ngā poraka.

Tō rātou huanga mai ki roto o Scratch:	Ka pēhea koe e tuhia ai:
The Scratch code for the <code>runForward()</code> function is a purple 'Define runForward()' block containing an orange 'repeat 3' block, which contains a blue 'move 1 step' block.	Handwritten code for <code>runForward()</code> inside a dashed box: 'Define runForward()' followed by a box containing 'repeat x 3' and 'move forward'.
The Scratch code for the <code>wholeLine()</code> function is a purple 'Define wholeLine()' block containing an orange 'repeat 7' block. Inside the repeat block are three conditional blocks: 'if Detect GOLD then' with an orange 'pickUp()' block, 'if Detect FEATHER then' with an orange 'pickUp()' block, and 'if Detect LIZARD then' with an orange 'attack()' block.	Handwritten code for <code>wholeLine()</code> inside a dashed box: 'Define wholeLine()' followed by a box containing 'repeat x 7', 'move forward', and three conditional blocks: 'IF Detect Gold THEN pickUp()', 'IF Detect Feather THEN pickUp()', and 'IF Detect Lizard THEN attack()'.
The Scratch code for the <code>runDiagonal()</code> function is a purple 'Define runDiagonal()' block containing an orange 'repeat 3' block. Inside the repeat block are two blocks: a blue 'move 1 step' block and a blue 'turn' block with a right-turn arrow.	Handwritten code for <code>runDiagonal()</code> inside a dashed box: 'Define runDiagonal()' followed by a box containing 'repeat x 3', 'move forward', and 'turn right'.



He Pepa Ngohe : Paheno i te ana (4 of 8)

1. Me tau ki runga o ia pouaka

E hia ngā nekehanga:

He Pepa Ngohe : Paheno atu i te ana (5 of 8)

2. Me riro i te nuīnga o ngā tāonga koura.

E hia ngā nekehanga:

3. Tukia ngā moko katoa

E hia ngā nekehanga:

4. Kia tere te puta i te ana

E hia ngā nekehanga:

5. Kia tutuki i ō ake whāinga

E hia ngā nekehanga: