

# Ngā Aratuka Pūtaiao Rorohiko

## Wāhanga Ako

- Hangarau Matihiko

## Tupuranga

- Whakakaaro Rorohiko 8

## Kupu Whakamārama

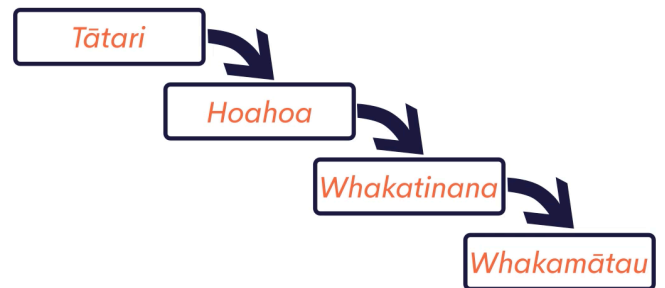
- Ka arohaehae i ētahi wāhanga o te pūtaiao rorohiko, ka tātari hoki i ngā pānga ki ngā hātepe, ngā whakaaturanga raraunga me ngā mahi waihanga papatono.

## Te Tau/ Ngā Tau

- Tau 13

## Te Horopaki o te Ngohe

I tēnei ngohe ka whakatairite ngā ākonga i ngā aratuka hoahoa pūmanawa e rua. Ko 'agile' tētahi, ko 'waterfall' tētahi, arā, ko 'moruki', ko 'wairere'. E whakatairitea ana kia pai ake ai te mahi whakahiato, te hoahoa hoki i ā rātou whakaotinga ā-matihiko. Ka taea te whakamahi i tētahi horopaki motuhēhē, i tētahi matea rānei o tō rātou hapori, hei horopaki tūhura i te hoahoatanga, te whanaketanga, te taunakitanga, me ngā mahi whakamātautau i tētahi pūmanawa.



*Kua Rāhuitia Katoatia ngā Tika. Kia Takatū ā-Matihiko | Digital Readiness*

## Ngā Mōhiohio

Ko tētahi ara tūhura i ngā aratuka pūtaiao rorohiko, he uiui i tētahi kaimahi pūtaiao rorohiko kia whai māramatanga ki te whakamahinga o ngā aratuka pūtaiao rorohiko ki rō ohanga hangarau matihiko. Nō reira, me whai hononga ki tētahi kaimahi pūtaiao rorohiko i tō ake hapori.

He rārangi pātai hei taurira:

- He aha ngā painga o te/ngā aratuka mōruki kua whakamahia e koe?
- He aha ngā painga o te/ngā aratuka wairere kua whakamahia e koe?
- He pai ake tētahi aratuka i tērā atu mō te whakaotinga ā-matihiko e hanga ana mātou?

## Ngā Tohutohu

I tēnei ngohe ka tīmata ngā ākongā ki te tūhura i ngā painga o ngā aratuka pūtaiao rorohiko e rua, arā, ko te Wairere me te Mōruki.

Ka whakaritea e ia rōpū ākongā he mahere mahi hei hanga i tā rātou ake whakaotinga ā-matihiko. I a rātou e waihanga ana i te mahere, ka whakaarohia ko tēhea o ngā aratuka ka whakamahia e rātou. Kātahi ka huri ki te whakarite i tā rātou mahere mahi ki taua aratuka. Whai muri mai, ka matapakina e rātou ko te kaiako ngā painga me ngā āhuatanga koretake o te aratuka mō tā rātou ake mahere mahi.

## Te Roa

E toru pea ngā wā ako

## Rauemi

- Tirohia te hononga nei mō tētahi rauemi tautoko e whakamōhio ana i ngā pānga ki te Taumata Mātauranga ā-Motu Kua Taea:
- <http://csfieldguide.org.nz/en/curriculum-guides/ncea/level-3/software-engineering-methodologies.html>

## Kauneketanga Ngohe

Ā, ka tuku ripoata ngā ākongā e pā ana ki ngā otinga o te uiui me te tūhuratanga.

