

## He Ngohe Aromatawai ā-Roto Mō ngā mahi whakamahere anake

**Te Ingoa o te Ngohe:** Te Whakaterere Waka Hourua

**Aronga:** Pūtaiao 1.1B

**Paerewa Paetae:** Pūtaiao 1.1 Te torotoro i te mātauranga pūtaiao e hāngai ana ki te ao tūroa

**Kaupae:** 1

**Whiwhinga:** 5

### He Tohutohu mā te Ākonga

#### I tēnei ngohe

I tēnei ngohe, ko tāu mahi he whakaatu i ō mōhiotanga mā te rangahau i te whakaterere waka hourua me te pūtake i whaihua ai ēnei mahi a ngā tūpuna.

#### Te horopaki

Hei tēnei aromatawai ko tāu mahi he whakarite i tētahi kauhau matihiko mō te whakaterere waka hourua, e whakaatu ana i ngā mātauranga me ngā mōhiotanga o te ao o ngā tūpuna e taea ai e rātou te whakawhiti i te moana nui.

Ka aromatawaitia koe i runga anō i tō kaha ki te whakaatu i ngā mātauranga me ngā mōhiotanga o te ao o ngā tūpuna e taea ai e rātou te hōpara i te moana nui.

#### Hei mahi

1. Tūhia ētahi pātai hei ārahi i a koe i roto i tō rangahau. Me aro atu ō pātai ki:

- te pūtake i eke ai ngā tūpuna i ngā hekenga nui
- te mātauranga e mōhio nei ngā tūpuna me te ahunga mai o te mātauranga e pai ai tā rātou whakaterere waka hourua
- te hanga o te waka hourua e pai ai ngā hekenga ki ngā wāhi e hiahiatia ana
- te waihanga o ngā waka me ngā taputapu i whakamahia e rātou
- ngā ō ka mauria e rātou mō ngā hekenga
- ngā tukanga i whāia e rātou i ngā hekenga ki wāhi kē, ā, me te mōhio hoki me pēhea te hoki ki te kāinga
- ngā raruraru hei whakaaroaro mā rātou.

2. Kōhia ngā kōrero o tō rangahau.
3. Whakaraupapahia ngā kōrero. Kia maumahara ake, ka aromatawaitia koe i runga anō i tō kaha ki te whakaatu mōhiotanga ki te pūtake e mōhio ai ngā tūpuna me pēhea te whakatere waka ki ngā momo wāhi.
4. Whakahiatō ō kōrero ki tō kauhau matahiko, ā, tukuna ō kōrero ki te hunga mātakitaki.

## Ngā mahi hei tāpae

Ko tāu mahi he tuku i tētahi kauhau matihiko kia roa ake i te 20 mēneti.

## Rauemi

<https://teara.govt.nz/en/diagram/2220/navigating-by-the-stars>

<https://www.sciencelearn.org.nz/resources/633-waka-hourua>

<https://www.sciencelearn.org.nz/resources/622-the-star-compass-kapehu-whetu>

<https://www.sciencelearn.org.nz/resources/624-navigating-with-sun-moon-and-planets>

<https://www.sciencelearn.org.nz/resources/1910-navigating-without-instruments-introduction>

## Kuputaka

pūtake	reason
tukanga	method, process
ō	provision