



Kaupapa
Mīharo

Wero
Hiko

Ngohe 1.2: Ngā tāhiko pepa

Me whai koe i ēnei mea e toru:

- He pūhiko porohita (arā, ko te pukuhiko)
- He tēpa konukura (arā, ko te ara kawē iahiko)
- He pūrama whāhutahi, arā, he LED (arā, ko te kawēnga)

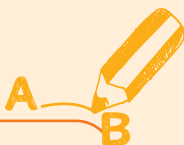
**Ka taea e koe te hanga tētahi
tāhiko māmā hei whakakā i
ngā rama? He māmā noa iho!**

Hangaia tētahi ara e neke ai ngā ia hiko i te puna hiko e whakaputa ana i te hiko, ki te kawēnga e whakamahi ana i te hiko.

Hangaia tō tāhiko

Hātepe 1

Tāia tētahi ara i te whakaahua ka tīmata i te pito A, ka hono ki te tohu LED, ka mutu ki te pito B.



Hātepe 2

Ūhia te ara nāu i tā ki te tēpa konukura. Waiho tētahi āputa i te wāhi kei reira te tohu LED.



Kia hanga koe i ngā kokonga i tō tāhiko, kaua e kuti i te tēpa konukura! Kāore te wāhi hāpiapia o raro o te tēpa e kawē iahiko, nō reira ka whati te tāhiko. Me whakapiko kē kia kokonga te āhua.

Hātepe 3

Whakapikohia ngā wae o te LED kia papatahi ai. Tāpirihia te LED ki tō tāhiko, ki runga tonu o te tohu LED.



He wae tōrunga, he wae tōraro anō hoki ō tō LED. Me hono koe i te wae tōrunga o tō LED (ko te wae roa ake) ki te taha tōrunga o tō tāhiko, ā, me hono te wae tōraro (ko te wae poto ake) ki te taha tōraro o tō tāhiko.

Hātepe 4

Waiho te pūhiko ki te pito B, ki runga i te tēpa konukura.



He taha tōrunga, he taha tōraro anō hoki ō te pūhiko. He tohu tāpiri kei te taha tōrunga. Waiho te pūhiko ki te tāhiko, ā, me aro te taha tōraro ki raro.

Hātepe 5

Whētua te kokonga o tō whārangi kia pā ai te tēpa konukura kei te pito A (ko te taha tōrunga o te tāhiko) ki te taha tōrunga o te pūhiko.



I kā rānei i a koe ngā rama?

Kāore i kā mai? E pai ana! Tirohia mēnā kei te tika te takoto o te LED me te pūhiko, kia rere ai tāhiko mai i te tōrunga ki te tōraro.



