

## Paerewa Paetae

<b>Aronga</b>	Pūtaiao 1.4		
<b>Ingoa</b>	Te whakaatu māramatanga ki ētahi āhuatanga e pā ana ki a Papatūānuku		
<b>Kaupae</b>	1	<b>Whiwhinga</b>	4
		<b>Aromatawai</b>	Ā-roto
<b>Marau akoranga</b>	Te Marautanga o Aotearoa		
<b>Kokonga akoranga</b>	Pūtaiao		
<b>Mana rēhita</b>	Kua rēhitatia	<b>Te rā i mana ai</b>	12 Hakihea 2013
<b>Te rā e arotakengia ai</b>	31 Hakihea 2020	<b>Te rā i puta ai</b>	12 Hakihea 2013

### Te Hononga ki te Marautanga

I ahu mai tēnei paerewa paetae i te Taumata 6 o *Te Marautanga o Aotearoa* i whakaputaina ai e Te Pou Taki Kōrero i te tau 2008.

### Whāinga Paetae

*Te Ao Tūroa, Papatūānuku:*

- 4(i) *Ka mārama me pēhea te ariā nukupapa me ērā atu tukanga ā-nuku e whakarite ai, e huri ai i te mata o Papatūānuku.*
- 4(ii) *Ka tūhura i ngā hurihanga ā-nuku, ā-Tāwhiri, ā-rangi hoki, e whakarerekē ana i ngā āhuatanga whaiora i runga i a Papatūānuku i te takanga o te wā.*

E hono ana ki te Papa Whakaako mō Pūtaiao kei te pae ipurangi nei:

<http://tmoa.tki.org.nz/Te-Marautanga-o-Aotearoa/Taumata-Matauranga-a-Motu-Ka-Taea>.

### Te Hononga ki ngā Tikanga Aromatawai

Kei tēnei pae ipurangi ngā Tikanga Aromatawai mō tēnei paerewa paetae:

<http://tmoa.tki.org.nz/Te-Marautanga-o-Aotearoa/Taumata-Matauranga-a-Motu-Ka-Taea>.

## Paerewa Paetae

<p><b>Paetae</b> Te whakaatu māramatanga ki ētahi āhuatanga e pā ana ki a Papatūānuku.</p>	<p>Hei tohu i te paetae:</p> <ul style="list-style-type: none"> <li>• Ka whakamahi i te reo matatini o te pūtaiao hei tautohu i:             <ul style="list-style-type: none"> <li>– ngā āhuatanga whaiora i runga i a Papatūānuku e whakarerekē haere ana i te takanga o te wā</li> <li>– ngā tukanga matua e huri ai i tōna mata.</li> </ul> </li> </ul>
<p><b>Kaiaka</b> He kaiaka te whakaatu māramatanga ki ētahi āhuatanga o Papatūānuku.</p>	<p>Hei tohu i te kaiaka:</p> <ul style="list-style-type: none"> <li>• Ka whakamahi i te reo matatini o te pūtaiao hei whakaahua i:             <ul style="list-style-type: none"> <li>– ngā āhuatanga whaiora i runga i a Papatūānuku e whakarerekē haere ana i te takanga o te wā</li> <li>– ngā tukanga matua e huri ai i tōna mata.</li> </ul> </li> </ul>
<p><b>Kairangi</b> He kairangi te whakaatu māramatanga ki ētahi āhuatanga o Papatūānuku.</p>	<p>Hei tohu i te kairangi:</p> <ul style="list-style-type: none"> <li>• Ka whakamahi i te reo matatini o te pūtaiao hei whakamārama i:             <ul style="list-style-type: none"> <li>– ngā āhuatanga whaiora i runga i a Papatūānuku e whakarerekē haere ana i te takanga o te wā</li> <li>– ngā tukanga matua e huri ai i tōna mata.</li> </ul> </li> </ul>

## Kōrero Āpiti

1 E whai ake nei ko te whakamāramatanga o ngā kupu whaitake, kīanga rānei:

<p>ngā tukanga matua e huri ai i te mata o Papatūānuku</p>	<p>Ko ēnei tukanga anake:</p> <ul style="list-style-type: none"> <li>• te ariā nukupapa</li> <li>• te puia, te rū whenua, te parawhenua</li> <li>• te ngāhorohoro me te ngawhere</li> <li>• ngā mahi a te tangata, pēnei i te takakino, te whakarake, te tahu koranehe.</li> </ul>
<p>ngā āhuatanga whaiora i runga i a Papatūānuku</p>	<p>Ko ēnei āhuatanga anake:</p> <ul style="list-style-type: none"> <li>• te āhuarangi me te kōhauhau</li> <li>• ngā moana me ngā tōpito kōpaka</li> <li>• te hurihanga toka me ngā momo toka</li> <li>• ngā mātātoka</li> <li>• ngā kohuke</li> <li>• ngā wāhi o te ahi tipua me te ngāwhā.</li> </ul>
<p>whakaatu māramatanga</p>	<p>Ka whakaatu te ākongā i tōna ake māramatanga mō ngā āhuatanga Pūtaiao e hāngai ana, mā te whakaoti tūmahi tuhituhi (tūmahi kōrero rānei) pēnei i te pūrongo, te pānui whakaahua nui, me te rīpoata niupepa.</p>

## Kuputaka:

ahi tipua	geothermal activity
āhuarangi	climate
hurihanga toka	rock cycle
kōhauhau	atmosphere
kohuke	minerals
mātātoka	fossils
ngāwhā	geothermal spring
parawhenua	tsunami
tahu koranehe	burning fossil fuels
akakino	pollute
tōpito kōpaka	polar ice-caps
whakarake	deforestation

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**Tātari Kounga**

- 1 Me mātua whakamana ngā Kaituku Akoranga me ngā Whakahaere Whakangungu Ahumahi e te Mana Tohu Mātauranga o Aotearoa ka rēhita ai i ngā hua ka puta mai i ngā aromatawai ki ngā paerewa paetae.
- 2 Ko ngā Kaituku Akoranga me ngā Whakahaere Whakangungu Ahumahi kua mana, ā, e aromatawai ana i ā rātou hōtaka ki ngā paerewa paetae, me uru rātou ki ngā pūnaha whakarite e tika ana mō aua paerewa paetae.

Ko te tohutoro ki te Mahere Whakamana, Whakaōritenga hoki

0233