

## Paerewa Paetae

<b>Aronga</b>	Pūtaiao 1.5		
<b>Ingoa</b>	Te whakaatu māramatanga ki ētahi āhuatanga e pā ana ki a Ranginui		
<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 2016	<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 e Te Pou Taki Kōrero i te tau 2008.

### Whāinga Paetae

*Te Ao Tūroa, Ranginui:*

5 *Ka whakamārama i ngā tūmomo hangarau (pēnei i ngā tūmomo karu whātata, ngā amiorangi, ngā waka ātea) hei ako haere, hei torotoro i te whānau a Tama-nui-te-rā me te ao tukupū, i ngā hononga mokowā e pāpā mai ana ki a Papatūānuku.*

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 Ranginui.</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>– ētahi āhuatanga e pā ana ki a Ranginui, arā, o te whānau a Tama-nui-te-rā me te ao tukupū</li> <li>– ngā hononga mokowā e pāpā mai ana ki a Papatūānuku.</li> </ul> </li> </ul>
<p><b>Kaiaka</b> He kaiaka te whakaatu māramatanga ki ētahi āhuatanga e pā ana ki a Ranginui.</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>– ētahi āhuatanga e pā ana ki a Ranginui, arā, o te whānau a Tama-nui-te-rā me te ao tukupū</li> <li>– ngā hononga mokowā e pāpā mai ana ki a Papatūānuku.</li> </ul> </li> </ul>
<p><b>Kairangi</b> He kairangi te whakaatu māramatanga ki ētahi āhuatanga e pā ana ki a Ranginui.</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>– ētahi āhuatanga e pā ana ki a Ranginui, arā, o te whānau a Tama-nui-te-rā me te ao tukupū</li> <li>– ngā hononga mokowā e pāpā mai ana ki a Papatūānuku.</li> </ul> </li> </ul>

## Kōrero Āpiti

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

<p>[ngā] āhuatanga e pā ana ki a Ranginui</p>	<p>Ko ēnei āhuatanga anake:</p> <ul style="list-style-type: none"> <li>• te mātakitaki i te rangi pō: te marama, ngā aorangi, me ngā whetū</li> <li>• te karu whātata, te pūkohi hihirangi, te whātata ātea</li> <li>• te hōpara ātea mā ngā amiorangi horihori me ngā waka āmio: te puta atu i te tō-ā-papa</li> <li>• te hōpara ātea mā te waka tākirirangi, te pōkai ātea, te taunga ātea</li> <li>• te hōpara ātea ā-tinana: ngā uauatanga.</li> </ul>
<p>ngā hononga mokowā e pāpā mai ana ki a Papatūānuku</p>	<p>Ko ēnei hononga anake:</p> <ul style="list-style-type: none"> <li>• te āmionga o te marama i a Papatūānuku me ōna āhua</li> <li>• te āmionga o Papatūānuku i a Tama-nui-te-rā</li> <li>• tā te marama whakamau i ngā tai</li> <li>• ngā āraitanga ā-marama, ā-rā.</li> </ul>
<p>whakaatu māramatanga</p>	<p>Ka whakaatu te ākonga 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:

āmiorangi horihori	artificial satellite
karu whātata	optical telescope
pōkai ātea	space probe
pūkohi hihirangi	radio telescope
taunga ātea	space station
te ao tukupū	the universe
waka āmio	space orbiter
waka tākirirangi	space rocket
whātata ātea	space telescope

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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

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