

Task: Te Rāpeti me te Paihamu — Possums and Rabbits

Approach: One to one
 Focus: Habitats and adaptation
 Resources: 4 pictures
 Kupu: taiao = environment

Questions / instructions:

I tēnei mahi, ka āta tiro tiro i ngā pikitia o ētahi kararehe e rua, ka whakaaro ai ki ngā ōritenga me ngā rerekētanga.

Whakaaturia te pikitia tuatahi me te pikitia tuarua (te paihamu me te rāpeti)

In this activity you will be looking at pictures of two animals and thinking about their similarities and differences.

Show pictures 1 & 2 (possum & rabbit).



He pikitia tēnei o tētahi paihamu, he rāpeti kei tēnei pikitia. Āta tirohia ngā pikitia, ka whakautu ai i aku pātai.

Tukuna te ākonga kia āta tiro tiro i ngā pikitia.

Āta whakaarohia kei hea te kāinga o ia kararehe, ka pēhea hoki te āhua o tana noho.

This is a picture of a possum and this is a picture of a rabbit. I'm going to ask you some questions about these animals so have a careful look at both pictures.

Allow time.

Now think about where each animal lives and how it lives.

- Kei hea te kāinga o te paihamu?
Kōrero mai mō tōna kāinga.

Tell me about where the possum lives.
Where does it make its home?

bush/forest/trees 100

- Kei hea te kāinga o te rāpeti?
Kōrero mai mō tōna kāinga.

Tell me about where the rabbit lives.
Where does it make its home?

Usual habitat: fields/hills/grass/paddocks 56

underground in holes/burrows/warrens 83

Hoatu te pikitia tuatahi ki te ākonga: Te Paihamu.

Give student picture 1: possum.

- Āta tirohia te pikitia o te paihamu. He aha ōna tino āhuetanga e ora ai ia i tōna taiao?

HE ĀWHINA: *Ka pēhea tēnā āhuetanga o te paihamu e āwhina i a ia kia ora tonu i tōna taiao?*

Let's look at the possum. What is special about this animal that helps it survive and live in its natural surroundings?

PROMPT: *How does that help it to survive?*

Possible features:


[claws for climbing/eating; fur for warmth or camouflage; tail for balance; whiskers for sense of space; large eyes to see in dark; sharp teeth for eating]

2 or more relevant features plus good justification 21

1 relevant feature plus good justification 17

2 or more relevant features but no justification 20

1 feature, not justified 23

		% responses			% responses
<p>Hoatu te pikitia tuarua ki te ākongā: Te Rāpeti.</p> <p>Give student picture 2: rabbit.</p> <p>4. Āta tirohia te pikitia o te rāpeti. He aha ōna tino āhuatanga e ora ai ia i tōna taiao?</p> <p><i>HE ĀWHINA: Ka pēhea tēnā āhuatanga o te rāpeti e āwhina i a ia kia ora tonu i tōna taiao?</i></p> <p>Let's look at the rabbit. What is special about this animal that helps it survive and live in its natural surroundings?</p> <p><i>PROMPT: How does that help it to survive?</i></p> <p>Possible features: <i>[large feet and claws for digging burrows; large back legs for running fast; large ears to hear danger easily, fur for warmth and camouflage; large eyes to see in dark; big sharp front teeth for cutting/eating grass and leaves]</i></p>					
	2 or more relevant features plus good justification	21	<p>5. Āta tirohia ngā waewae o ngā kararehe. Ki tōu whakaaro he aha e rerekē ai te waewae paihamu me te waewae rāpeti?</p> <p>6. He aha ngā tino āhuatanga o te waewae paihamu e ora ai ia i tōna taiao?</p> <p>7. He aha ngā tino āhuatanga o te waewae rāpeti e ora ai ia i tōna taiao?</p>		
	1 relevant feature plus good justification	31	<p>5. This time look carefully at the animals' feet. Why do you think possum and rabbit feet are different?</p> <p>6. What is special about a possum's feet that helps it live and survive?</p> <p>7. What is special about a rabbit's feet that helps it live and survive?</p>		
	2 or more relevant features but no justification	13	<p>Based on all three questions: explains that feet have different functions <i>(e.g. climbing for possum, digging for rabbit)</i></p>		75
	1 feature, not justified	21	<p>Possums' feet: <i>[sharp claws for feeding, climbing, defence]</i></p> <p>mentions claws and 2–3 functions</p>		20
			<p>mentions claws and 1 function</p>		44
			<p>mentions claws but no function</p>		22
			<p>Rabbits' feet: <i>[large back legs for fast travel, defence and burrowing; front feet for holding food, defence and burrowing]</i></p>		
			<p>1 or more features with good explanation</p>		34
			<p>1 or more features without useful explanation</p>		42
			<p>Total Score:</p>		
			17–20	10	
			13–16	24	
			9–12	46	
			5–8	18	
			0–4	2	
<p>Whakaaturia te pikitia tuatoru me te tuawhā (te waewae rāpeti me te waewae paihamu).</p> <p>Show pictures 3 & 4 (rabbit feet & possum feet).</p>					
					

Commentary:

Most students had basic knowledge about possums and rabbits but less than half could explain how the animals' features demonstrated adaptation to their lifestyle and environment.