

Task: Te Hua Pango — Blackberry

Approach: One to one

Focus: Form and function

Resources: Picture

Kupu: hua pango = blackberry tātā = stem tara = thorns

Questions / instructions:

Whakaaturia te pikitia.

Tohua ngā wāhanga o te tipu i a koe e tuku ana i ngā pātai.

He pikitia tēnei o tētahi tipu, te 'Hua Pango' (arā, te parakipere).

He mahi tā ia wāhanga o te tipu.

Ko aku pātai e pā ana ki ngā wāhanga o te tipu.

Show picture.

Point to plant parts as each question is asked.

Here is a picture of a blackberry plant.

Each part of the plant has a job.

I'm going to ask you about the parts of the plant.



Questions / instructions:		% responses
1. He aha te mahi a te tātā e ora ai te tipu? How does the stem help the plant stay alive?	supports/holds up plant	16
	carries water	25
	carries nutrients/food	4
2. Ha aha te mahi a ngā rau e ora ai te tipu? How do the leaves help the plant to stay alive?	help plant "breathe"	2
	make food	4
	Photosynthesis: mentioned & explained	0
	mentioned	0
3. He aha te mahi a ngā tara e ora ai te tipu? How do the thorns help the plant stay alive?	protection	45
4. He aha te take e puta ai ngā puawai o te tipu? Why does the plant have flowers?	Pollination: attract insects to pollinate	0
	attract insects	6
5. He aha te take e puta ai ngā hua o te tipu? Why does the plant have fruit?	fruit includes seeds	2
	seeds from fruit grow into new plants	0
	form of seed leads to dispersion by animals and birds	0
	Total score: 5–10	0
	3–4	6
	1–2	59
	0	35

Commentary:

Most students had very limited understanding of the function of all parts of the blackberry plant other than the thorns.