

Pātiki — Flounder

Approach: One to one

Focus: Observe a flounder and identify its features with adaptive significance to its habitat on the sandy bottom of the ocean.

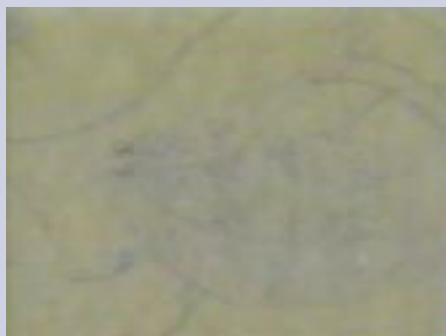
Resources: Video of flounder in its habitat.

Questions/instructions:

We're going to watch a video that shows shots of a flounder living on the sandy bottom of the sea. The flounder has some features that help it live in this environment. Watch the video carefully. After the video I want you to tell me about the features that help the flounder live in its environment.

Ka mātakitaki ataata tāua mō te noho a te pātiki i ngā onepū o te takere o te moana. Kei te pātiki ētahi āhuatanga e āhei ai tana noho i tēnei taiao. Āta mātakitakihia te ripene ataata. Ka mutu ana, kōrerotia mai ngā āhuatanga e āhei ai te pātiki ki te noho i tēnei taiao.

Play video.



1. What is special about flounders that help them live in the sandy bottom of the sea? Tell me as many things as you can.

Prompt: How does that help them?

He aha ngā tino āhuatanga o te pātiki, i āhei ai rātou ki te noho i ngā onepū o te takere o te moana? Kōrerohia mai ngā āhuatanga katoa ka taea ana e koe.

He āwhina: Pēhea ai te āwhina atu o ēnei āhuatanga?

Colour effective camouflage — identifies:

	% responses	
	GEd	MI
feature and explains value	16	8
feature only	31	52

Flat shape of body — identifies:

feature and explains value	22	4
feature only	23	71

Eyes on one side of body — identifies:

feature and explains value	15	0
feature only	8	6

Side fins — identifies:

features and explains value	9	0
feature only	11	4

Tail — identifies: feature and explains value

feature only	11	0
	8	2

Total score: 6-10 6 0

3-5 31 12

1-2 44 80

0 19 8

Commentary:

The performance of some MI (Māori Immersion) students was affected by their limited Māori language skills. They might have been helped if the introductory paragraph had used the idea of hiding (huna). MI (Māori Immersion) students scored statistically significantly lower than GEd (General Education) students.