

## Task: Te Motopaika — Scooter

Approach: One to one

Focus: Motion and resistance to motion

Resources: Video recording on laptop computer

Kupu:



[No soundtrack; video shows boy riding on three surfaces – sand, grass, asphalt footpath]

### Questions / instructions:

#### He mahi rorohiko tēnei.

Ka mātakitaki koe i tētahi whiti ataata e whakaatu ana i tētahi tangata e eke motopaika ana. He māmā ake te eke motopaika i ētahi papa i ētahi papa kē atu. Mātākihia te whiti ataata, ka whakatau ai ko tēhea te papa he māmā rawa atu ki te eke motopaika, ā, ko tēhea te papa he uaua rawa atu.

**Pāwhiria te pātene *Motopaika*, ka timata te whiti ataata.**

#### This activity uses the computer.

In this activity you will be watching a video of a person riding a scooter. Some surfaces are easier to ride a scooter on than others. Watch the video and decide which surface was the most difficult and which was the easiest to ride on.

**Click the *Scooter* button. The video will start.**

		% responses			% responses
1. Ko tēhea te papa he uaua rawa atu te eke motopaika mā tēnei tangata?			5. He aha koe i mōhio ai ko tēnā te papa māmā rawa atu ki te eke motopaika?		
What surface was the most difficult for this person to ride on?	sand	88	How could you tell that surface was the easiest to ride on?	fast speed seen	26
2. He aha i uaua rawa atu ai tēnā papa ki te eke motopaika?				less foot pushing, looks easy	30
Why do you think that was the most difficult surface?	not marked	•			
3. He aha koe i mōhio ai koirā te papa uaua rawa atu ki te eke motopaika?					
How could you tell the sand was the most difficult to ride on?	wheels sink in and do not roll easily	56			
	slow speed seen	16			
	lots of foot pushing, hard work	24			
4. Ko tēhea te papa he māmā rawa atu te eke motopaika mā tēnei tangata?				<b>Total score:</b>	7–8 6
What was the easiest surface for the person to ride on?	footpath	96			5–6 30
					3–4 40
					0–2 24

### Commentary:

Most students correctly identified the hardest and easiest surface to ride on, but fewer could identify relevant evidence for their choices.