

Approach: One to one

Year: 4 & 8

Focus: Motion and resistance to motion

Resources: Video recording on laptop computer



Questions / instructions:

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.

[The surfaces were sand, grass, asphalt footpath]

1. What surface was the most difficult for this person to ride on?

sand 76 86

2. Why do you think that was the most difficult surface?

not marked • •

3. How could you tell the sand was the most difficult to ride on?

wheels sink in and do not roll easily 48 68

slow speed seen 37 41

lots of foot pushing, hard work 45 74

4. What was the easiest surface for the person to ride on?

footpath 97 99

5. How could you tell that surface was the easiest to ride on?

fast speed seen 42 46

less foot pushing, looks easy 29 57

Total score:

Score	y4	y8
7-8	8	24
5-6	37	51
3-4	41	21
0-2	14	4

Commentary:

Year 8 students explained more clearly and appropriately than year 4 students.