

Trend Task: Bikes

Approach: One to one
Focus: Investigating and evaluating design
Resources: 2 pictures

Year: 4 & 8

Questions / instructions:

In this activity you will be thinking about a bike used in the olden days.

Show picture 1 (bike).



1. Who might have ridden this bike?
2. What would they have used the bike for?

questions 1 and 2 not marked

Show picture 2 (street scene).



This picture shows the delivery person who uses the bike to deliver parcels.

3. What things about this bike make it good for the person who used it?

See how many things you can tell me.

PROMPTS: Tell me about the seat.

Tell me about the shape of the bike frame.

Tell me about the carrier at the front.

Is there anything else you can think of?

% response
2004 ('00)
year 4 year 8

% response
2004 ('00)
year 4 year 8

mentioned that the seat has springs to make it more comfortable

35 (34) 62 (58)

mentioned that the low bar on the frame made it easier to get on and off

2 (0) 11 (10)

mentioned that the mudguards stop mud and water splashing on the rider

4 (7) 11 (13)

mentioned that the carrier/basket helps the rider carry parcels

88 (86) 87 (91)

mentioned that the sign tells who the rider is/works for

12 (13) 27 (31)

mentioned that the wide tyres make the bike more stable and comfortable

0 (1) 1 (4)

Total score:	4-6	1 (0)	5 (10)
	3	6 (9)	24 (21)
	2	35 (31)	41 (37)
	1	49 (51)	24 (31)
	0	9 (9)	6 (1)

Commentary:

Students focused mainly on the basket, seat and sign, with less attention to the more technical features. About 20 percent more year 4 than year 8 students explained at least three of the six features. There was no meaningful change in performance between 2000 and 2004.