

Data Collection

OBJECTIVES

To collect and record data relating to the household use of water over a one week period (e.g. number of baths per week).

To convert this data into litres of water. (Use information from Activity Sheet 15).

To compare results with National Average results.

To access and collect data through undertaking purposeful enquiries.

To use computers as a source of interesting data, and as a tool for representing data.

TEACHING ACTIVITIES

Provide children with data record sheet (Activity Sheet 16) relating to household water uses. Ask children to fill these in on a regular basis for one week, indicating the number of times each activity occurred. Calculate this data as a grand total for the week, in terms of litres of water, using information from Activity Sheet 15. Compare and contrast results through class discussion.

EXTENSION

Convert the above data into graphical form.

KEY VOCABULARY

Average amounts, data collection, results, frequency, total.

ASSESSMENT CRITERIA

Have the children accurately kept a regular record of their findings at home over the week?

Are the children able to calculate totals in relation to each activity?

Can the children make a general statement about the findings?

Data Collection

To convert this data into litres of water use information from Activity Sheet 15.

WATER ACTIVITY	TOTAL AMOUNT USED							TOTAL LITRES	
	Mon	Tue	Wed	Thur	Fri	Sat	Sun		
Taking a bath								x 80 litres =	
Taking a shower								x 30 litres =	
Flushing the toilet								x 9 litres =	
Washing face / hands								x 9 litres =	
Drinking and cooking								x 10 litres =	
Brushing teeth								x 10 litres =	
Running the dishwasher								x 50 litres =	
Running the washing machine								x 100 litres =	
Watering the garden with a sprinkler								x 600 litres =	
TOTAL AMOUNT OF WATER USED IN A WEEK									