

Bloomsmath Water Awareness

The following activities are Bloomsmath activities which are both cross curricular and cover the six levels of cognitive hierarchy. They combine capacity and graphing while also allowing students to focus on the Environmental Education topic of water shortages and how to save water. These activities also involve students accessing a computer and the Sydney Water website at <http://www.sydneywater.com.au> and Sydney Water's consumption report archive.

	Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
Data	Students gather and organise data, display data using tables and graphs and interpret the results.	Students print a copy of the water consumption and storage report for a given week into a grid – See Part A. They then use this information to create a line graph of the week's water storage levels.	Students compare their graphs in chronological order and create a class graph of water usage over the past twelve month period.	Students identify any patterns present between the two sets of graphs and suggest why there may be increases and decreases in the water level such as rain, summer heat, winter and reduced water use etc.	Students look at the results from when water conservation laws were implemented and if these affected the use of water in the short or long term.	Students access the Sydney Water website and discuss ways of saving water.

Part A –Sample Week

Date	Volume (MLs)
Saturday 10 February 2007	1485
Sunday 11 February 2007	1427
Monday 12 February 2007	1424
Tuesday 13 February 2007	1287
Wednesday 14 February 2007	1425
Thursday 15 February 2007	1351
Friday 16 February 2007	1387