WAR on WATER

How Much Water Could be saved by 200 Cross and Passion Students in an Average Week?

Reason for Investigation

• It is thought that in years to come the wars will not be over oil or gas but over water.

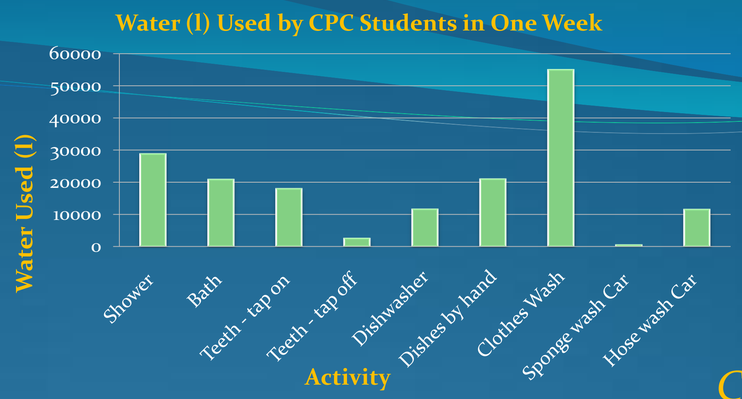
• We believe it is therefore essential to know how much we waste!

Plan:

• A questionnaire was given out to 200 students and the results collected and analysed

• The following chart shows the results obtained from the pupils.

School Water Use Results

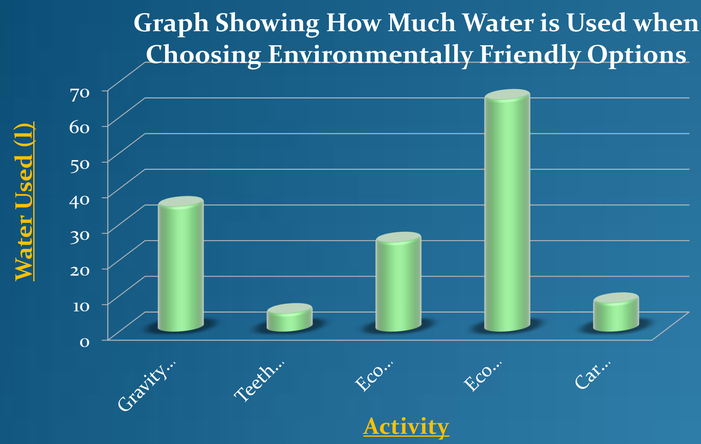


Analysis 1

• This column chart shows that the most water was used washing clothes. Closely followed by showering

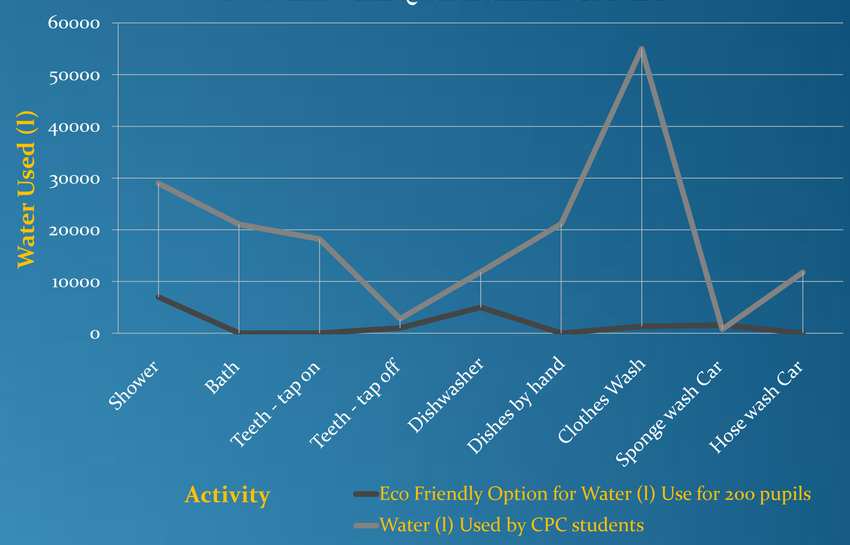
• Other high water usage came from bathing, washing dishes by hand and leaving the tap on whilst brushing teeth.

Water Saving Machines/options



• These figures can be multiplied by the number of times a week a student would carry them out, hence making it possible to get a visible comparison with the school data set.

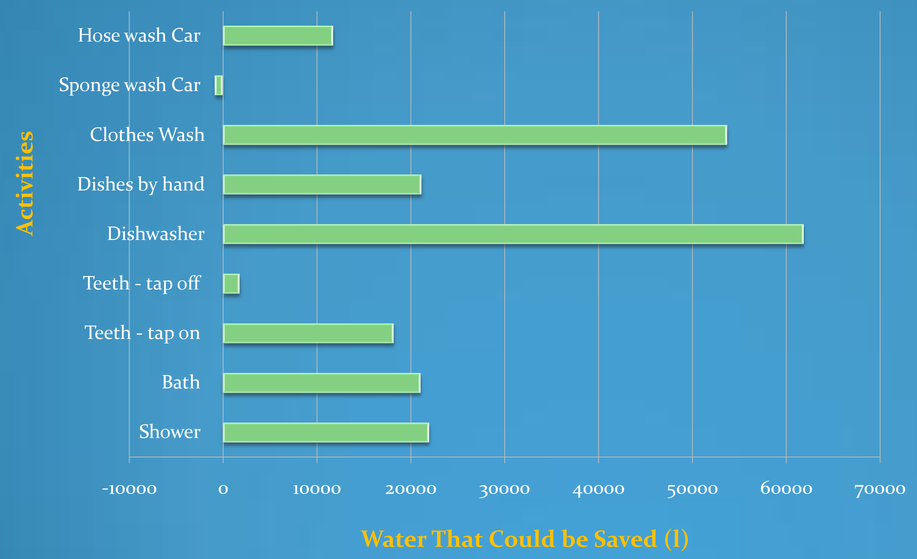
Comparison of Data



Analysis 2

• By comparing the data on the same line graph it gives an excellent visual representation of the difference in the amount of water used by pupils who answered the questionnaire, and the amount of water which would be used if all these pupils chose water saving options.

• The following bar chart shows the volume of water that could be saved. This was determined by calculating the range. Amount of water used by students – the eco-friendly option= the amount of water wasted.



Conclusion

• From the bar chart we can determine that the biggest waste of water comes from using dishwashers that are not environmentally friendly .

• 200 pupils could save 61850 litres of water a week if they switched dishwashers!

• If all the students surveyed switched to all the water saving options they could save 210,678 litres a week! Which equals 10, 955, 256 litres a year! Now that's worth thinking about!

Thanks From: Callan McErlain and Eoin McAuely
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