

The Eco Committee's Trip to Cog Moors Water Treatment Plant



The Eco Committee
visited Cog Moors
Environmental
Educational Centre in
Cardiff on Tuesday
12th February.

It smells!

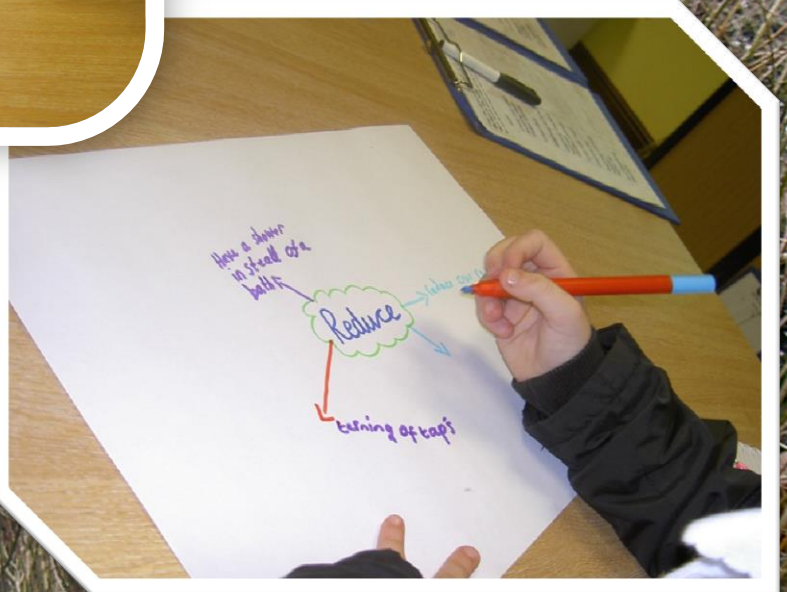


We completed
workshops about
water efficiency and
recycling. We found
out that only 1% of
the World's water is
available for us to use!





We worked in groups to mind map all the things we could think of for the 3 R's - Reduce, Re-use and Recycle.



We went into the woodland area to complete a task. We had to find clues about how we could save water.



We then did an investigation to find out how much water is wasted from one dripping tap in 1 year.



How much water is wasted?

Turn a tap on just enough to make it drip.
Catch the drops in a measuring cylinder for one minute.
Fill in the table to work out how much water is being wasted by just one dripping tap.

		Amount of water in millilitres	Amount of water in litres
1 minute		15ml	
1 hour	X60	600ml	
1 day	X24	14,400ml	
1 week	X7		
1 year	X52		

It takes 80 litres to fill a bath.
Divide your answer from above (in litres) by 80 to find out how many baths full of water are wasted in a year.

How much water is wasted?

		Amount of water in millilitres	Amount of water in litres
1 minute		15ml	
1 hour	x60	600ml	
1 day	x24	14,400ml	
1 week	x7	100,800ml	
1 year	x52	5,241,600ml	5,241.6

It takes 80 litres to fill a bath.
Divide your answer from above (in litres) by 80 to find out how many baths full of water are wasted in a year.

Number of Baths full —

We found out that one dripping tap wastes **66 baths** of water in a year!



We then investigated how to filter dirty water to make it clean again!

We then found out how they take sewerage and then clean the water at Cog Moors ready to be used again! We had fun dressing up and singing a rap!



We had a great day at Cog Moors!

