

# Hillside Eco Magazine



Issue 2

Help us save the planet!

Reduce: Reduce carbon emissions

Reuse: Reuse plastic bags or cloth bags

Recycle: Recycle your household and garden waste





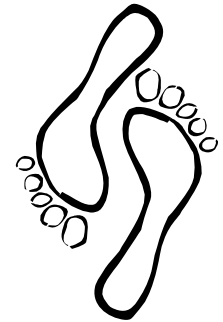
## WHAT THE ECO TEAM HAS DONE



### SINCE ISSUE 1

Since the last magazine the Eco Club has participated in a 'Big Tidy Up'. We litter picked around the school grounds and collected 7 bags of rubbish. "It was a fun experience and we got to help the environment." Andrew Line 7SWa

We have also chosen two people from each form to remind teachers to turn off all electrical equipment when they leave their room. This will help lower our carbon footprint and CO<sub>2</sub> levels.



We have started a mobile phone and ink cartridge recycling scheme and made posters to display around the school to help encourage people to recycle these items. This has been very successful and we have managed to recycle all the ink cartridges the school uses!



Our last campaign was to encourage people to recycle their Christmas cards. We still have collection boxes in student services and you can give them to any of the Eco team.

# Eco Facts

Did you know...



You could grow your own fruit and vegetables and even go further by selling them to friends. That way you're saving the environment **and** your money!



In 2004 Britain produced 434 million tones of waste; enough to fill the Albert hall 4384 times over the course of the year.



Every ton of recycled paper can save about 17 trees!

How long it takes for rubbish to break down:  
Organic Material - 6 months, Cotton and Rags - 6 months, **PLASTIC** - 500 years!



Just by buying products that have been recycled you can help to reduce your carbon emissions.

Bootle has just gained the most eco friendly supermarket in the country. It has been designed to drastically cut its carbon dioxide use.



An interview with  
the Derby Park rangers,  
Ruth and Ian



Are there any problems with litter in this area?

"In this particular park it's not too bad but in Bootle in general it is quite a big issue and we try to encourage people to pick litter up and have campaign days."

How are you having a positive impact on the local environment?

"So far, people have been coming over and talking to us so I think people feel a little bit safer and we are a point of communication, so hopefully, environmentally that will play a big role in the future."

How can climate change affect the local environment?

"I don't think Liverpool has had a cold snap this early on before Christmas for a long time, so that must have an impact on the wildlife. For example, if the birds don't have enough time to store up their winter fat and the frost comes on quickly, a lot of them can die off so it's a big impact on the population."

Are there any recycling points within the park itself?

"Unfortunately not but we would like to see a compost system in place and a recycling point for glass as we have an issue with that."

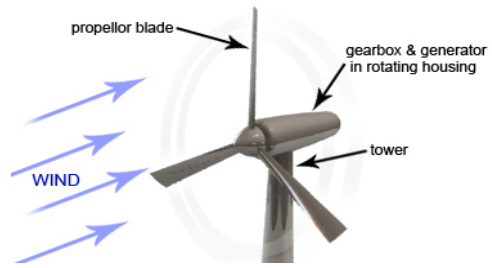
Have you noticed any new wildlife in the park recently?

"I was surprised to see quite a few Grey Squirrels in this park recently, and a pair of Jays, which is quite rare for this area."

Do you have any advice for local residents to help the environment?

"Use your local park effectively and attend the gardening events. You can find out information online about regular community skip days and if there is nothing available you can write to your MP asking for such facilities."

# Renewable Energy



With fossil fuels quickly running out and causing pollution on our planet, renewable energy sources are becoming more important to us.

There are several types of renewable energy and many countries have already taken steps to harness this power.

**Wind power** We have used the wind as a source of energy for a long time. Recently, we have built 'wind farms' consisting of several turbines which turn the kinetic energy from the wind into mechanical energy. You can see lots of these at the docks.

**Solar power** The sun is our biggest source of power. Solar energy can be collected using photovoltaic panels and solar thermal collectors. Here you can see an example of solar water heaters.



**Tidal energy** Tidal energy is generated by the movement of sea water which drives huge tidal electricity generators.



More commonly used methods include building tidal barrages in estuaries forcing water through gaps. As tidal energy is created by gravitational forces between the sun, the earth and the moon, it is considered a consistent predictable renewable energy. There has been a suggestion to place a tidal barrage across the Mersey estuary.

# Puzzle Page

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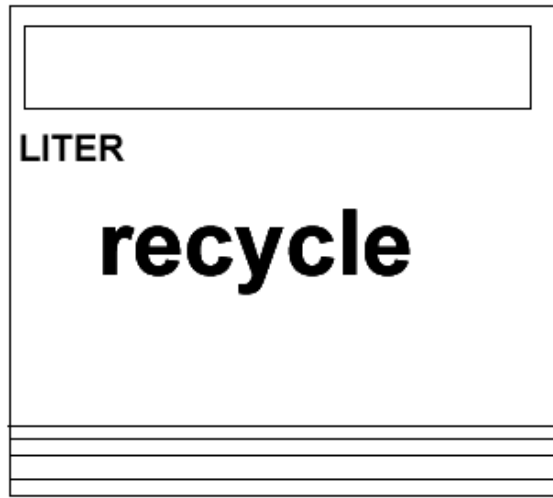
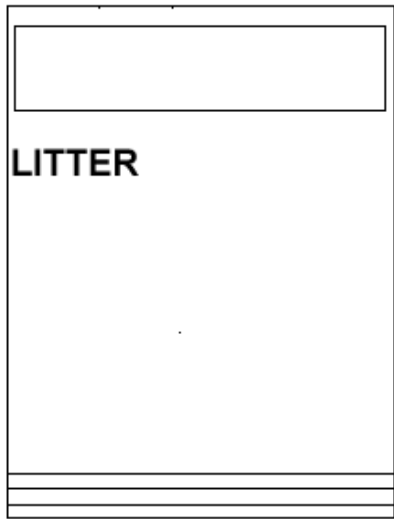
Warming  
Freeze  
World  
Cold  
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Earth

Environmental  
Recycle  
Reuse  
Reduce  
Waste  
Eco  
Sefton Council  
World

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# ECO SPOT THE DIFFERENCE

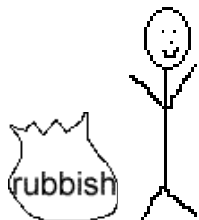
*FIVE DIFFERENCES, CAN YOU SPOT THEM?*



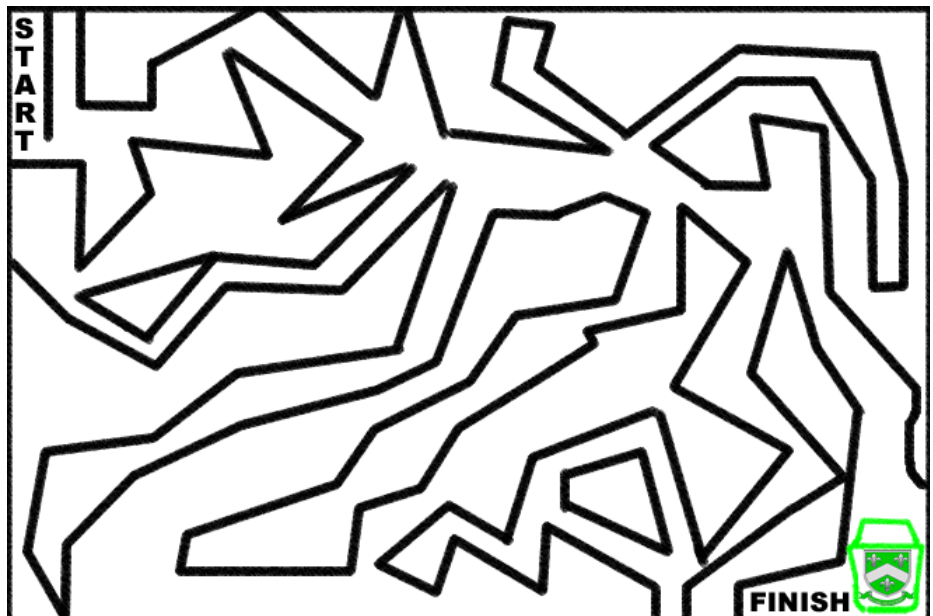
Can you solve our Eco cryptogram?

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
															U	P	V								

         R         
         T P R          T  
R H P J M W
I M M V U P D W V



Can you help our stick man get through the maze and to the recycle bin?



# ECOTOP TIPS

Easy ways to reduce your carbon footprint and help save our planet

- Recycle your used paper
- Recycle your used bottles and cans
- Try to get energy saving bulbs
- Avoid leaving electrical equipment on standby
- Turn off lights
- Turn off computers
- Reduce your carbon emissions by walking instead of driving
- Grow your own fruit and vegetables
- Recycle your ink cartridges - if you go online you can get money back for your old ink cartridges and mobile phones
- Turn your heating down by 1 degree and you can save up to 10% off your energy bill







How energy efficient is  
our school?



Last term our school undertook an energy assessment in line with government regulations. This assessment determined how much energy the school uses.

We discovered, much to our delight, that the school is above average on its energy performance, meaning we are fairly energy efficient. However, we plan on improving this record to make the school as energy efficient as possible.



You can see what the Eco club has been up to by  
visiting the new school website on  
[www.hillsidehigh.co.uk](http://www.hillsidehigh.co.uk)



What are our future plans?



We have plans to pass on our experiences to other schools by creating a film about what we've been doing and how it has affected the school and the environment. This is very exciting and will hopefully encourage pupils in other schools to get eco friendly and start their own club!

The team also plan to do more 'Big Tidy Ups' and continue the recycling schemes. We also plan to complete a sustainability survey of the school and update our webpage with the up to date eco news and events.



Stop press: four pupils from St. George of England High School are joining us for our Derby Park Community Afternoon!



*Eco Team 2009*



The school Eco Team are:

Andrew Line 7SWa  
Daniel Keith 7WD  
Jodie Young 7SWa  
Sophie Woodray 7SWa  
Craig Bonnesen 8SD  
Thomas Watson 9JK  
Luke Eccleston 9JK  
Kerry Burgess 7LF  
Sarah Davies 7LF  
Abbey Charlton 7WD  
Steven Mercer 7WD  
Kieran King 9SW

If you would like to join...

We meet every Friday lunch time in  
room 44

See Miss Patterson, Mrs Watson or Miss Riley  
for details



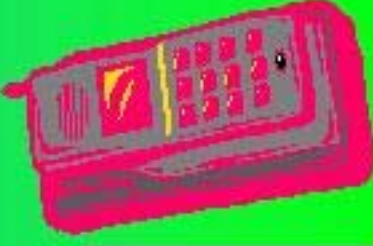
# Recycle your phones!



## if you have an old or broken phone

## bring it to school and recycle!

To recycle your old phones  
go to the staff room,  
Student Services or Miss  
Patterson's room  
(Room 44 )



For every 150 mobile  
phones we recycle, our  
school gets a free  
computer !

