



Waste Works

For those looking for an opportunity to learn more about rubbish and recycling, Manchester is the place to be. Waste Works is a new education centre which invites Key Stage 2 pupils to see recycling in action and to learn about sustainable living.

Based in the centre of Manchester, at the Co-operative's in-house recycling centre, pupils can see at first hand how waste paper from the Co-operative's head office is transformed into toilet and kitchen paper which is then sold in the group's stores. The Waste Works education programme is being run on behalf of the Co-operative by Waste Watch, who promote and encourage action on waste reduction, reuse and recycling.

Michelle Lockwood, who works at Waste Works, describes the two hour sessions as being curriculum linked and free of charge. As a consequence they are expecting to have visits from schools throughout the Greater Manchester area and beyond. She added: "Not only will pupils learn



how to reduce waste, they will also receive resources which link the process into the curriculum."

Pupils from St Joseph's Primary in Longsight were the first to visit the centre and the response was very positive.

Danielle, one of the pupils, was clearly pleased to have participated in the Landfill exercise as she learnt how to recycle plastics properly: "I have learnt about the numbers on the bottom of plastic bottles and I have been able to teach my family too."

Chinwe, another pupil, said, "I really enjoyed my visit to the recycling

centre and I think it is something that will help every child to understand the importance of recycling. We can all make a difference and we must all help to look after the environment."

Ray Mallone, a teacher at St Joseph's said: "We do lots of work in school to raise awareness of environmental issues such as global warming and recycling, and this was an

excellent opportunity for the children to extend their learning and understanding of such issues. There was an array of interesting activities which thoroughly engaged all the children. They embraced all the challenges and particularly enjoyed the paper making activity. The children came away from Waste Works thoroughly enthused and have each made a pledge to say how they can contribute to looking after the environment."

Visits for up to thirty five pupils at a time can be run in both morning and afternoons and can arranged by calling 0161 833 4563 or emailing wasteworks@co-operative.coop

Editor's notes How much waste do we create? It's a question we all need to address. Is Beehive a valued resource? Or does it go straight into the recycling bin? This issue encourages schools to ask questions about their own resources. It is not enough to recycle we must buy recycled and to help there is now a 'Headteachers and Bursars Handbook of Sustainable Procurement'. (See centre pages). So what could you do with Beehive when it's been read and digested? Hand it to the bursar or a governor; put it on display on the Eco Schools board; or perhaps it could degrade in your school compost heap? It's made of recycled paper, and it could be recycled again. Just please don't put it in the rubbish bin, it ruins MEEN's street cred!

Many thanks to Sarah Haslam, Jo-Anne Witcombe and Catherine Adams for their contributions and help.

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Training opportunities from MEEN and partners

On Thursday 15th November a workshop is being run to support schools who are either setting up, or in the process of developing, their School Travel Plan. Kathy Collins, School Travel Plan coordinator and Raichael Lock from MEEN are working in partnership to repeat a session they successfully ran last year. The training will be held at MERCi from 12.30 – 4pm. Please contact Raichael on 0161 273 8881 to book a place.

Look out for a training opportunity around Waste and

Sustainable Procurement which will be held on January 24th 2008 at Bridge-5 Mill. Organised in partnership between EMERGE and MEEN this session will focus on the problems of waste and procurement. Starting with the bigger picture then bringing the issues down to the school community we will work out how we can become a part of the solution. There will be lots of ideas, information and the opportunity to share good practice.

Every Child's Future Matters

According to research done by the Sustainable Development Commission we can only achieve the objectives of ECM if we put the environment at its heart. This is the conclusion of the report called 'Every Child's Future Matters' which states that children worry about Climate Change and about having a safe, green place to play which is free from the dangers of traffic. This excellent document stresses the

need for local authorities to have joined up thinking when it comes to children's well-being, and that Children's Services need to champion 'a healthy and sustainable environment for children.' To get a copy ring 0207 238 4995.

NW Sustainable Schools

The North West now has a full time coordinator working to raise awareness and deliver training around the Sustainable Schools Strategy. The aim of the project is to help school communities, local and regional providers, and Children's Services to see the importance of the strategy and to encourage and support anyone wishing to use it or develop it across the region.

The post is a job share and the two workers, Lydia Meryll and Raichael Lock, are busy making links in each of the five North

West regions with the aim of delivering training around the 8 Doorways of the Sustainable Schools strategy. They are also organising an event called 'Sustainable Schools' and will be inviting people from all over the region to come together to explore the strategy and how we can all help to deliver it.

The NW Sustainable Schools Conference is being held on 6th December at the Gujarat Centre in Preston. There will be workshops focused on how to engage the school community in

Sustainable help for Bursars and Governors

One of the recommendations in the Sustainable Schools Strategy was to engage with bursars and governors with relevant issues around sustainability.

Consequently there is the 'Bursar's guide to sustainable school operation' and the governor's guide to sustainable schools called, 'Strategic, challenging and accountable'. Both are available from DCSF publications on 0845 6022260.

A positive contribution

There is good news from a Cambridge University Report, Community Soundings. Although young people are deeply worried about environmental problems, if they are given the opportunity to do something about the problems, such as have an eco-club, the pupils are much happier than in the schools where there is no such activity. So keep up the good work!

the process of becoming sustainable, on examining how to help schools achieve the recommendations by 2020, and an opportunity to focus on the S3 Self Evaluation tool. The key note speaker is Ann Finlayson from the Sustainable Development Commission.

The conference is free, but places are limited. Contact Raichael Lock or Lydia Meryll on 0161 273 8881 or email sustainableschools@dep.org.uk by 21st November.

Waste not, want not

In October 2006 staff and pupils from Cedar Mount set off to China for a week long visit to their international partner school in Beijing to learn more about Chinese culture and education.

Our hosts were Haiden Da middle school and we spent a whole week experiencing lessons and school life as well as visiting the sites of Beijing. The first thing we noticed about the school were the hundreds of bicycles parked neatly in the school court yard – nearly all of the pupils walk or cycle to school in Beijing. Recycling and reusing is the norm in China. There are so many people that they do not waste or throw anything away that can be recycled. Recycling facilities were everywhere in Beijing and there were lots of signs encouraging people to respect their environment and not waste water.

Before we went to China we had read that air pollution was a big problem. During a typical day in Beijing it is unusual to see the sun shining in the sky because of thick fumes and smog from China's industry. Pupils told us that the people of Beijing are now working together to improve their environment through recycling, reusing and using less



natural resources. Recycling is impressive, even the public bins had a section for recyclable waste.

Following the trip our Chinese friends have visited Cedar Mount and while they were here they helped to launch our new plastic recycling initiative in April, another trip of Cedar Mount staff and pupils are heading out to Beijing this October half term.



勿因一时疏忽
破坏永恒美好

A SINGLE ACT OF CARELESSNESS LEADS
TO THE ETERNAL LOSS OF BEAUTY

Facts about China:

Twenty percent of the world's population lives in China.

It is predicted that the population will be 1.47 billion by 2020 – try putting the noughts on that!

In 2006 the UK imported 60,000 tons of Christmas decorations from China.

China produces and discards more than 45 billion pairs of disposable chop sticks every year, estimated to represent some 25 million trees! There is a massive campaign promoting re-usables.

Arup, the firm behind the Manchester City Stadium, are busy planning and building the world's first sustainable city called Dongtan on Chong Ming Island at the mouth of the Yangtze river.

Chinese environmental experts fear pollution could kill the Yangtze river. This would threaten drinking water supplies for the 186 cities along its banks. Industrial waste, sewage, agricultural pollution and shipping discharges are to blame.



Purchasing and waste:

Doorway 8 of the National Framework for Sustainable Schools

The opportunity offered to schools by the Purchasing and Waste doorway for Sustainable Schools is as follows:

‘Waste, and the throw-away culture that encourages it, can be addressed through sustainable consumption. Schools can reduce costs and support markets for ethical goods and services at the same time.’

The recommendation for schools to achieve by 2020 is as follows:

‘We would like all schools to be models of sustainable procurement, using goods and services of high environmental and ethical standards from local sources where practicable, and increasing value for money by reusing, repairing and recycling as many goods as possible.’

The problem

Today, on average, each person in the UK throws away seven times their body weight (around 500kg) each year. The education sector disposes of 615,117 tonnes of waste per year. Recycling certainly offers a solution in part to these statistics, but it by no means cancels out our wasteful habits. First of all we need to use less and then we need to use the products re-created by the recycling process.

The solution

The Department for Children, Schools and Families (DCSF) suggests that if UK schools are to contribute to sustainable development, they must be ‘sustainable consumers’. This doesn’t just translate to recycling; most schools know they should

and can recycle. Rather, it encourages schools to be ‘models of sustainable procurement’ by using goods and services of ‘high environmental and ethical standards’. Perpetuating the cycle of effective waste management lies not only in schools Reusing, Reducing, Repairing and Recycling, but also, Refusing what is unnecessary, and, in sourcing and buying recycled goods and service.

WRAP’s statistics on primary schools’ waste reveal how wide-ranging the waste problem is in schools. By managing waste responsibly and by sourcing and using recycled goods, schools can reduce their overall generation of waste and commit to being models of sustainable procurement.

The Headteachers and Bursars Handbook of Sustainable Procurement

Over the last few years sustainable technology has made vast progression, so too have attitudes towards our responsibility to protect the environment. However, while we are all painfully aware of the damage done by carbon emission, concern still appears to outweigh action.

For this reason, SCEMES Ltd have produced the first Handbook of Sustainable Procurement. The Handbook provides a single point of reference in addressing the Government’s drive toward Sustainable Schools. It contains articles of interest and advice from pioneering environmental institutions on achieving a greener

outlook along with contact details of sustainable procurement suppliers.

We are now seeing the effects of ecological problems which were once believed to be a comfortable 60 years in the future. While raised awareness is crucial, only practical action can make a difference.

By providing teachers and education administrators with the practical means, contacts and advice they require to make their schools more sustainable, we can take a step in the right direction.

The Handbook has received fantastic support from NLA, HEC, Sustrans and NATE.

Further, the DfSE have published the Handbook’s introductory article by Professor Bill Scott of Bath University on their website.

Their support indicates solidarity among the education services in helping schools reach Green Flag status faster and so benefiting more pupils.

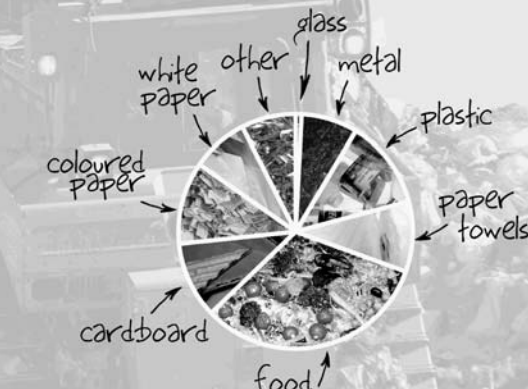
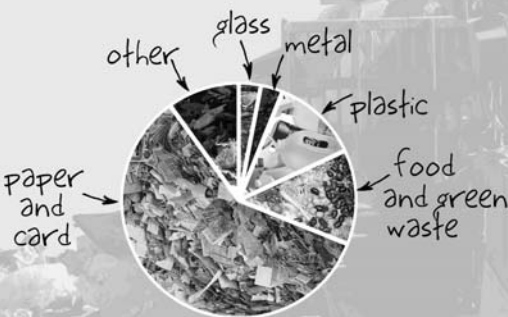
If you would like a complimentary copy for your school or business or wish to support the next edition, contact Felicity Woods at

felicity@scemes.net

or visit

www.scemes.net

Schools Waste Sources
WRAP data based on
study involving 51 schools



Schools Waste Sources
WRAP data based on 50 waste
audits collated at a training session

Some local resources:

Supplymasters Kemax

For Fair Trade vending products.
Unit 1, Union Court, The Valley,
Bolton, Manchester BL2 2HQ

☎ 01204 559047

www.fair-traders.co.uk

e fair-traders@aol.com

Manchester Is My Planet shop

Get bulbs and energy resources.
Manchester Knowledge Capital,
Churchgate House, 56 Oxford
Street, Manchester, M60 7HJ

☎ 0161 237 4643

www.shop.manchesterismyplanet.com

e info@manchesterismyplanet.com

EMERGE

For your school's recycling needs.

☎ 0161 233 8200

www.emergemanchester.co.uk

e office@emergemanchester.co.uk

Debdale Eco Centre

Can advise on school composting
and community composting
schemes.

Waterside Gardens, 1075 Hyde
Road, Debdale Park, Gorton,
Manchester, M18 7LJ

☎ 0161 220 9199

www.debdale-eco-centre.com

e info@debdale-eco-centre.com

Fairfield Compost

Buy peat-free, local compost for
your school garden.

☎ 0161 231 2139

www.fairfieldcompst.co.uk

e helen@fairfieldcompst.co.uk

MyLifts.com (car sharing)

☎ 0161 257 0502

www.mylifts.com

e info@mylifts.com

How can schools respond to the recommendation?

- Become involved in a sustainable procurement consortia;
- Source goods from local, sustainable or environmentally friendly suppliers;
- Carry out Waste and Purchasing Audits;
- Purchase responsibly according to the audit;
- Teachers need to have a say in what is needed and used or wasted;
- School Campaigns to cut down on waste generation;
- Invite speakers into school from recycling organisations or other sustainable suppliers;
- Make sure recycling bins are easily accessible;
- Research and promote community recycling points;
- Recycle less obvious items: mobile phone, printer cartridges, batteries, furniture;
- Buy recycled paper and card;
- Print double sided/reduced size, and avoid printing where possible;
- Compost kitchen waste and use it to create a small garden for growing vegetables/plants;
- Buy recycled or Eco-friendly: pens, envelopes, furniture, containers, building materials, paint;
- Avoid using disposable cups, cutlery, bottles – use mugs, flasks, reusable bottles;
- Change your milk supplies to one large vat rather than individual cartons;
- Encourage swap schemes for games, furniture, uniforms, books;
- Reuse envelopes by obtaining recycled address labels;
- Order a copy of the Headteachers and Bursars Handbook of Sustainable Procurement.

Why should I recycle?

By Jen Green

Published by Hodder Wayland

ISBN 07502 3681 7 £4.99

This book is a part of the KS1 'Why should I?' series which helps young readers to think about simple environmental issues and other social and moral dilemmas they may come across in everyday life. It is well illustrated and a good simple read, and although the message is more about recycling than reducing waste, it gets the basic ideas across.

Little Rotters Composting Handbook

By Nicola Bright

Published by Environ Trust Ltd

This handbook is designed to be used in primary schools to inspire teachers and other members of staff to start a Little Rotters Club who will do composting in school. It provides practical information and advice, offers teaching resources linked at KS2 and helps the school reduce the amount of school waste going to landfill. By going to www.littlerotters.org.uk the handbook can be ordered for free. The website has activities and information which are also very useful.

Useful web resources are:

www.recyclezone.org.uk

Waste Watch's website is full of information, practical tips, waste games and activities, all with the relevant curriculum links.

www.teachernet.gov.uk/sustainableschools

Find the waste and sustainable procurement link then go to the Resource Library, followed by Teaching Resources where there is a good selection of relevant websites.

www.sita.co.uk

Sita is a recycling and waste management company that has activity sheets available and a free pack.

www.recycool.org.uk

This site can meet some of your recycling needs and provide you with information, fun and games.

www.foe.co.uk/resource/guides/shout_about_waste0.pdf

This pack is for 11-13 year olds and offers all sorts of curriculum linked activities, with the emphasis on taking action.

www.wasteonline.org.uk

The Dustbin Pack

A pack for teachers working with children aged 7-11 years. Waste and recycling are examined in detail with teachers' notes, children's work

cards, and posters on metals, glass, paper and plastics.

www.wasteonline.org.uk

Wise up to Waste

A cross-curricular resource for 15-18 year old secondary students which seeks to raise some of the issues which will need to be addressed if future generations are to live in an environmentally sustainable manner. The pack uses a variety of learning experiences and contexts to ensure that environmental issues permeate the whole curriculum.

Work at Waste at School

Work at Waste at School shows how your school can implement practical ideas to tackle waste which will both help the environment and save money. It includes case studies from schools across the UK, a background to the national waste problem and contacts for further advice and information. Although Work at Waste at School is now out of print, you can download it free of charge from www.wastewatch.org.uk.

Yellow Woods Challenge - Teacher's Toolkit

Yellow Woods Challenge is a schools' recycling campaign run by Yellow Pages, the Directory Recycling Scheme and the Woodland Trust in association with local authorities and environmental organisations.

The campaign aims to:

Recycle Yellow Pages directories and reduce demands on landfill. Educate school children about the importance of recycling and conservation. Support the Woodland Trust in helping keep woodland alive.

To be in with a chance of winning cash prizes up to £2,000 for recycling old Yellow Pages directories, schools need to be registered with a participating local authority.

Curriculum linked educational materials are suitable for all schools to use and are free to download from the Yellow Woods Challenge website. Further information email: yellow.woods@yellgroup.com.

The Paper Cycle by Shotton Paper Mill is an interactive CD-ROM, paper cycle

video, children's recycling activity booklet with curriculum linked children's activities. For a copy ring 01244280000 or go to www.shottonrecycling.co.uk

Thursday 1st November 2007
Manchester's Annual Eco Schools Forum & Green Fair

Inclusion and Participation
This year's event runs from 10 - 3pm with teachers and five Eco Committee members from each school being invited to attend. There are workshops for Eco School co-ordinators, with basic information, networking and sharing opportunities, workshops for young people to hone their active citizenship skills, a workshop around Sustainable Schools, High School dinners, and much more.
To book a place for your school contact Gemma Lee or Di Sakalas on 0161 953 2760

Wednesday 14th November 2007
Innovation and Social Enterprise Schools

Free Secondary Schools' Conference
Urbis 9.30 – 3pm
There will be workshops for secondary pupils on innovation and global issues. The foyer is available for exhibitions by social enterprises: this will be open to the public as well. There will be an exhibition of social enterprises and an enterprise project competition.
To register contact Anne Strachan on 0161 921 8013/
anne@dep.org.uk

Thursday 15th November 2007
School Travel Plan training

With Kathy Collins STP co-ordinator and Raichael Lock MEEN
At Bridge 5 Mill, 22a Beswick Street, Ancoats. M4 7HR
This session is for School Travel Plan co-ordinators who are either setting up, or in the process of developing, their School Travel Plan. Kathy Collins, School Travel Plan coordinator and Raichael Lock from MEEN are working in partnership to repeat a well-received session they ran last year. Please contact Raichael on 0161 273 8881 to book a place.

Thursday November 15th 2007
Setting up an allotment project

Environmental Trainers Network
£105/£160 + VAT
Leeds
Tel: 0121 359 2113 or email ETN@btcv.org.uk
Are you planning to set up a project on an allotment site? You may be working with schools, promoting healthy eating, or be a social service or training provider, for example. This very popular event will help to get you started. It will introduce legal and other essential information, health and safety and risk assessments related to allotments, choosing the right plot and planning a design, working out equipment needs from shed to spade, look at costs, grants and fundraising, and provide tips on keeping the project going, come rain or shine

Tuesday November 27th 2007
Forest Skills

Bishops Wood Centre
£120/£90
Worcestershire
Tel: 01299 250513 or email bishopswoodcourses@worcestershire.gov.uk
This skills based course is designed to provide practical know-how in the outdoors. The course is particularly suited to people such as Forest School leaders, who use a woodland habitat to give children a meaningful experience of nature.

Thursday December 6th 2007
NW Sustainable Schools Conference

Organised by the NW Sustainable Schools co-ordinators
Gujarat Centre, Preston
Tel: NW Sustainable Schools project
C/o MEEN on 0161 273 8881
This conference is for anyone who is interested in engaging with

and developing their work around the Sustainable Schools strategy. The key note speaker is Ann Finlayson from the Sustainable Development Commission.

Thursday January 24th 2008
Waste and Sustainable Procurement

Bridge 5 Mill
Organised in partnership between EMERGE and MEEN this session will focus on the problems of waste and procurement. Starting with the bigger picture then bringing the issues down to the school community we will work out how we can become a part of the solution. There will be lots of ideas, information and the opportunity to share good practice.
Please contact Raichael on 0161 273 8881 to book a place.

Wednesday February 6th 2008
Schools and Education for Sustainable Development – How organisations can work with schools to support them in delivering ESD

Bishops Wood Centre
£120/£90
Worcestershire
Tel: 01299 250513 or email bishopswoodcourses@worcestershire.gov.uk
This day will look at phases from foundation to GCSE to examine how organisations involved in sustainable development can link into school initiatives including an overview of ESD and what it means in practice, some activities and the nitty gritty of how to work with schools.

What is Manchester Environmental Education Network?

Manchester Environmental Education Network (MEEN) is a membership-based organisation aiming "To inspire and motivate learning about sustainability by building a network of people actively committed to Education for Sustainable Development (ESD) in Manchester." The network was established by six partner organisations involved in the project, and currently employs a network coordinator and a Sustainable Schools Project coordinator.

Membership of the network offers:

- * free network directory (pay only for P&P) - while stocks last
- * free termly newsletter
- * support from network coordinator
- * reduced entrance to MEEN events
- * a voice in how MEEN is run and the activities of the network

Project Partners:

Development Education Project (DEP),

Laurel Cottage
c/o MMU 799 Wilmslow Road
Manchester M20 2RR
Tel: 0161 921 8020

Groundwork Manchester, Salford and Trafford,

Timber Wharf,
42-50 Worsley Street
Castlefield
M15 4LD
Tel: 0161 220 1000

Manchester Environmental Resource Centre initiative (MERCi),

Bridge-5 Mill,
22a Beswick Street, Ancoats,
Manchester. M4 7HR
Tel: 0161 273 1736

Manchester Healthy Schools Partnership,

Mauldeth House,
Mauldeth Road West, Chorlton.
Manchester. M21 7RL
Tel: 0161 882 2313

Environmental Campaigns

Manchester City Council

3rd Floor,
Pink Bank Lane,
Belle Vue,
Manchester
M12 5QN
Tel: 0161 953 2760

Mersey Basin Trust,

Bridge-5 Mill, 22a Beswick Street,
Ancoats, Manchester. M4 7HR
Tel: 0161 273 4207
merseybasintrust@hotmail.com
www.merseybasintrust.org.uk

Network Coordinator:

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Membership of Manchester Environmental Education Network (MEEN)

Please fill in this form and return to the network coordinator at the above address, enclosing a cheque for the relevant amount.

Name School / Organisation Subject (where applicable)

Address

Tel Fax E-mail

Schools / Organisations - Manchester	£8
Individuals - Manchester (waged / unwaged)	£5 / £2
Non-Manchester based membership	£12
Please add P&P for directory	£2

TOTAL

I enclose a cheque payable to 'MEEN' for £_____