

Useful Information and Resources

This section lists the contact details of some useful national and local organisations, who can provide further information and also suggest some places to visit. Don't forget if you are writing to charities or community groups requesting literature, it helps them if you enclose a large stamped addressed envelope. There are also details of organisations who can provide educational/teaching resources, and a glossary of terms used in this pack.

Recycling Officers in Hertfordshire

If you need specific advice on recycling in your area contact your local Recycling Officer:

Broxbourne Borough Council

01992 785 575

East Herts District Council

01279 655 261

Dacorum Borough Council

01442 228 666

Hertsmere Borough Council

020 8207 2277

North Herts District Council

01462 474 336

St. Albans City & District Council

01727 819 428

Stevenage Borough Council

01438 242 782

Three Rivers District Council

01923 776 611

Watford Borough Council

01923 235 946

Welwyn Hatfield District Council

01707 357 818

Organisations and contacts

Community Recycling Network (CRN)
Trelawny House, Surrey Street, Bristol BS2 8PS
Tel: 0117 942 0142
www.crn.org.uk

CRN is the national organisation representing practical community recycling and waste management projects throughout the UK. They don't produce schools information but many of their network members are involved in local activities such as scrapstores. Their bulletin 'The Waste Paper' contains practical information and case studies.

ENCAMS (formerly Going For Green/Tidy Britain Group)
Elizabeth House, The Pier, Wigan WN3 4EX
Tel: 01942 612639
www.encams.org

Environmental Campaigns (ENCAMS) is the charity which runs the Keep Britain Tidy campaign. It also runs the Eco-Schools Award Programme and also offers online information sheets on litter, dog fouling and waste minimisation.

Federation of City Farms and Community Gardens
The GreenHouse, Hereford Street, Bristol BS3 4NA
Tel: 0117 923 1800
www.farmgarden.org.uk

Information on composting and on wider environmental issues.

Friends of the Earth
26-28 Underwood Street, London N1 7JQ
Freephone: 0808 800 1111
www.foe.org.uk

A campaigning organisation which can provide information on waste and recycling plus a range of publications (some free) exploring environmental issues.

Global Action Plan (GAP)
8 Fulwood Place, London WC1V 6HG
Tel: 020 7405 5633
www.globalactionplan.org.uk

GAP believes that small changes in behaviour made by lots of people in their homes, schools or workplaces can really make a difference. They produce action packs on what you can do at home or in school to help the environment.

Groundwork Hertfordshire
Mill Green, Hatfield, Hertfordshire AL9 5PE
Tel: 01707 260129
www.groundwork.org.uk/hertfordshire

The leading urban environmental regeneration charity in Hertfordshire. Their vision is of a society made up of sustainable communities that are vibrant, healthy and safe, which value the local and global environment and where individuals and enterprise prosper. The trust undertakes about 100 projects in partnership each year under the programme themes: community, education, youth, business, land and employment.

Henry Doubleday Research Association (HDRA)
Ryton Organic Gardens, Coventry, Warwickshire CV8 3LG
Tel: 024 7630 3517
www.hdra.org.uk

Advice and publications about making compost heaps and worm composting.

Hertfordshire WasteAware Partnership
Helpline 08457 425000
www.wasteaware.org.uk

WasteAware is a Hertfordshire countywide campaign which aims to increase public awareness of the problems surrounding household waste disposal and seeks to encourage residents to reduce to a minimum the quantity they produce by reducing, re-using and recycling their waste. The campaign targets schools, families and individuals.

Recycle Now
Helpline 0845 331 3131
www.recyclenow.com

The Recycle Now campaign was created by and is run by the Waste & Resources Action Programme (WRAP). WRAP work closely with councils and retailers to make sure the recycling message is heard. Most people already recycle to some degree and this campaign is designed to encourage everyone to do a bit more, more often.

Waste Watch
56-64 Leonard Street, London EC2A 4JX
Wasteline: 0870 243 0136
www.wastewatch.org.uk

Waste Watch works with community groups, local authorities and industry to educate, inform and raise awareness on reducing waste, re-use and recycling. They run a free information service - Waste Online - (www.wasteonline.org.uk) with practical guides and education materials for schools. Their school programmes include: Schools Waste Action Clubs; Cycler, the Recycling Robot (available for school visits); and the Waste Education Support Program. Materials include The Dustbin Pack; Wise up to Waste; Work at Waste at Schools.

Women's Environmental Network
PO Box 30626, London E1 1T2
Tel: 020 7481 9004
www.wen.org.uk

Campaigns on environmental and health issues from a female perspective, including the use of re-usable cotton nappies.

Visits to Waste, Recovery and Recycling Facilities

Household Waste Recycling Centre (HWRC)

**Hertfordshire County Council
Waste Management Unit, County Hall, Peg's Lane,
Hertford, Herts SG13 8DN
Contact David Allen: Tel. 01992 556163**

Hertfordshire County Council (HCC) is the Waste Disposal Authority for the county and takes responsibility for providing Household Waste Recycling Centres (HWRC). The recycling facilities offered by HCC are located in the 19 HWRC in the county.

Visits to the site can be organised all year round, providing children with the opportunity to experience a working site provided by the Council as a site where residents can separate and deposit their own household waste for re-use/recycling free of charge. There is a range of up to 19 different material types that can be deposited at the sites, but for more details and to discuss health and safety issues please ring the given contact number.

District and Borough Councils are Waste Collection Authorities and manage all other council recycling points and kerbside collection schemes.

Materials Recovery Facility (MRF)

**MRS St Albans Ltd
Sandridge Gate Business Centre, Ronsons Way,
St. Albans Rd, Sandridge, St. Albans, Herts AL4 9XR
Contact Rob Wakefield: Tel. 01727 848957**

Materials which have been separated prior to collection (e.g. paper, plastic, cans) are transported to the site where they are unloaded for further sorting by hand on a conveyor belt in the MRF i.e. steel separated from aluminium. The sorted products are then baled and held in a holding bay to await transportation to a recycling plant.

The best time to visit with regard to seeing the site in full operation is in the morning, with groups of a preferred max. of 10 (accompanied by 2 adults). Sturdy footwear must be worn and high visibility vests are provided upon arrival.

Composting sites

**Heatherland Ltd
Ongar, Hallsford Bridge Industrial Estate,
Stondon Road, Essex CM5 9RB
Contact Michael Lunnon: Tel. 01277 363161**

Heatherland Ltd compost the green garden waste from Hertfordshire's Household Waste Recycling Centres.

To see garden waste brought in from commercial sites, shredded, then converted to soil improver/compost by the open windrow system before being screened and separated into different grades of end product.

Preferred group size of a max. of 15 (accompanied by 2 adults). Sturdy footwear must be worn and high visibility vests can be arranged once the group size is confirmed.

Landfill sites

To see waste coming in, being weighed tipped, compacted, covered, vehicle washing upon leaving the site, and explanations of gas flaring / electricity generation.

**Westmill Landfill Site (Biffa Waste Services)
Westmill Road, Ware, Herts SG12 OES
Contact Chris Lofts: Tel. 01920 462163**

The hour visit will begin with an office-based introduction to the site followed by a short walk to a vantage point to view the working site.

Preferred group size of a max. of 15 (accompanied by 2 adults). Sturdy footwear must be worn and high visibility vests will be provided upon arrival.

**Ugley Landfill Site (Biffa Waste Services)
Ugley, Cambridge Road, Bishops Stortford,
Herts CM22 6HT
Contact Katharine Alexander: Tel. 01799 542496**

The suitability of visits and the site's ability to meet your needs will vary during the year. Ring the site to confirm their availability. Sturdy footwear must be worn and high visibility vests will be provided upon arrival. Alternatively, a Biffa representative may be able to come to your school and deliver a talk to the children.

**North Herts Landfill Site (Biffa Waste Services)
Bedford Road (A600), Ickleford, Herts SG5 3RT
Contact Site Manager: Tel. 01462 713608**

At the time of this Education Pack going to print, the North Herts Landfill Site was looking into providing facilities suitable for visits to the site by schools. Please ring the Site Manager for up-to-date information.

**Brogborough Landfill Site (WRG)
Woburn Road, Brogborough, Beds MK43 0TN
Contact Paul Roland: Tel. 01525 287400**

Visits in the summer months are preferred and there may be a limit on the number of visits the staff at the site can accommodate. Preferred group size of a max. of 15 (accompanied by 2 adults), and sturdy footwear must be worn. High visibility vests will be provided upon arrival.

Incinerator

**LondonWaste Ltd
Advent Way, Edmonton, London, N18 3AG
Contact Wendy Lord: Tel. 0208 8031322
www.londonwaste.co.uk**

This incineration plant recovers energy from waste. Visitors can expect a 10-minute video followed by a tour of the facilities. Wednesday mornings are dedicated to schools visits whereby at 11am groups of 15 (max.) can embark on the tour. Sturdy footwear must be worn and high visibility jackets are provided upon arrival. Please bear in mind that the facility is loud and dusty, with many flights of stairs within the building.

Visits to Waste, Recovery and Recycling Facilities

Waste transfer station

Waterdale Transfer Station
North Orbital Road, Garston, Watford WD25 7PR
Contact Colin Appleby: Tel. 01923 661011

Waste from Hertfordshire dustcarts and waste items from Household Waste Recycling Centres across the county are tipped into a large hall where it is compacted and transferred to larger vehicles that then transport the waste to a landfill site.

Visit times are preferred between 8-10am and 2-4pm in groups of 20 (max.) at a time. Sturdy footwear must be worn and high visibility jackets are provided upon arrival.

Paper recycling mill

"The Paper Trail" at Frogmore Mill
Frogmore Mill, Fourdrinier Way (off Durrance Hill Road), Apsley, Hemel Hempstead, Herts HP3 9RY
Contact Maggie Taylor: Tel. 01442 234600

The Paper Trail, a charity based project at Frogmore Mill (the world's first industrial paper mill), can customise your visit - centred around an introduction talk, a tour of the mill followed by paper based activities.

Groups can be of up to 60 children. Sturdy footwear must be worn, and please bear in mind that some parts of the mill may be wet under foot, and warm clothes must be worn in winter.

Educational facilities

Cuffley Outdoor Centre
Carbone Hill, Cuffley, Nr. Potters Bar, Herts EN6 4PR
www.hertsoutdoors.org.uk
Contact Simon Richards: Tel. 01707 872632

Set in 90 acres of mixed woodland featuring a Site of

Special Scientific Interest (SSSI), this centre provides a selection of outdoors adventure and environmental activities, customised to suit your curricular requirements. The centre is suitable for day outings and residential bookings.

Celtic Harmony
9 The Limberlost, Welwyn, Herts AL6 9TS
Contact Luca Parrella: Tel. 01438 718543

This is a not-for-profit organisation, which aims to provide an emotive educational experience for children. Children can build a shelter, make food and clothes from local natural resources, whilst improving habitats by harvesting in traditional ways, to increase awareness of our interdependence with the natural environment and each other, promoting a more sustainable way of life. It is a reconstructed Iron Age settlement with Celtic roundhouses.

Food For All: Educational Garden Project
35 Scribbits Square, Radlett, Herts WD7 8JS
Contact Dr Reuben Ramos: Tel. 01923 859369

This charity has developed an Educational Environmental Garden over the last year. The garden houses a number of practical exhibitions including a wormery, solar and winds panels, and a composting corner. Educational displays depict the water cycle, carbon cycle, and nitrogen cycle.

Three Valleys Water
Environment and Education Centre, Clay Lane, Bushey, Herts WD23 3RE
Tel. 020 8420 5864
www.3valleys.co.uk

This purpose-built Environment Centre offers a comprehensive range of activities to help teachers prepare and deliver environmental programmes.

Other useful websites

Aylesford Newsprint
www.aylesford-newsprint.co.uk

Bankit
www.bankit.org

British Glass
www.britglass.co.uk

British Aerosol Manufacturers Association
www.bama.co.uk

Buy recycled
www.recycledproducts.org.uk

Can crushers
www.cancrush.co.uk

Centre for Alternative Technology
www.cat.org.uk

The Composting Association
www.compost.org.uk

Council for Environmental Education
www.cee.org.uk

Department for the Environment, Food and Rural Affairs (DEFRA)
www.defra.gov.uk

Education4Sustainability
www.e4s.org.uk

Environment Agency
www.environment-agency.gov.uk

Glass Forever Educational Site
www.glassforever.co.uk

Herts Direct Environment Channel
www.hertsdirect.org/environment

Plascan
www.plascancrusher.com

Save A Cup
www.save-a-cup.co.uk

Yellow Pages
www.yellgroup.com

Trade and Industry Associations with Education Resources

Alupro (Aluminium Packaging Recycling Organisation Ltd)
1 Brockhill Court, Brockhill Lane, Redditch B97 6RB
Tel: 01527 597757
www.alupro.org.uk

Facts and information about aluminium cans and setting up school collections; also publishes 'The Material World' primary pack.

British Glass
9 Churchill Way, Chapeltown, Sheffield S35 2PY
Tel: 0114 290 1850
www.britglass.co.uk

The British Glass Manufacturer's Confederation represents the UK glass industry. Their website provides lots of information on glass plus details of education resources.

Industry Council for Packaging and the Environment (INCPEN)
SoanePoint, 6-8 Market Place, Reading, Berkshire RG1 2EG
Tel: 0118 925 5991
www.incpen.org

Provides education pages on their website and runs the Packaging Education Programme which provides online materials for use in the classroom and for homework.

Mailing Preference Service
DMA House, 70 Margaret Street, London W1W 8SS
Tel: 020 7291 3310
www.mps-online.org.uk

Say NO to Junk Mail - register to get your household taken off mailing lists.

National Grid for Learning (NGfL)
www.ngfl.gov.uk

The gateway to educational resources on the Internet.

Paper Federation
1 Rivenhall Road, Swindon, Wiltshire SN5 7BD
Tel: 01793 889600
www.paper.org.uk

Provides online factsheets, statistics, a KS2 science pack and posters.

RECOUP
1 Metro Centre, Welbeck Way, Woodston, Peterborough PE2 7UH
Tel: 01733 390021
www.recoup.org

The UK's household plastics recycling organisation. The website has a resource centre, factsheets and clip-art.

Recycle-more
www.recycle-more.co.uk

Provides information on recycling in the UK especially packaging and recycling in schools.

Steel Can Recycling Information Bureau (SCRIB)
Port Talbot, South Wales SA13 2NG
Tel: 01639 872626
www.scrib.org

The website has 'Canny Questions', a 'Kids Zone' and education pages.

Textile Recycling Association
PO Box 965, Maidstone, Kent ME17 3WD
Tel: 0845 600 8576
www.textile-recycling.org.uk

Information on textile recycling.

Three Valleys Water
PO Box 48, Bishops Rise, Hatfield, Hertfordshire AL10 9HL
www.3valleys.co.uk

Teaching Resources

Free Scrap-Stores Materials

Scrap-Stores collect stuff that is thrown out by industry and make it available for creative re-use. These are clean and safe waste products collected from local industries and businesses (therefore saved from an early demise in a landfill site...), which are suitable for use as scientific or art and craft materials in schools. Materials include paper, card, Correx corrugated plastic, fabrics, foils, buttons, and tubes.

Schools, playgroups, guides and scouts and other community ventures are welcome to join for a small annual fee, then they can help themselves!

Contact:

WOT-EVER Scrap Store, Unit 6 Bridgegate Centre
Martinfeld, Welwyn Garden City AL7 1JG
Tel: 01707 371719

www.wasteaware.org.uk

WRAP Scrap Store, Wiggshall Depot, Wiggshall Rd, Watford WD18 0FB
Tel: 01923 321395

ARC Scrap Store, Berkhamstead
Tel: 01442 228098

Wheathampstead Development Centre, Butterfield Rd, Wheathampstead, Herts AL4 8PY
Tel: 01582 830313

The Wheathampstead Development Centre has a wide range of books that are available for loan on the topic of waste and recycling.

What's rubbish?

A fun recycling game by Orchard Toys. Age 5-10, approx. £8.00 www.orchardtoys.com

Glossary

Aluminium	A light and strong metal often used as packaging e.g. foil and cans. Aluminium is not magnetic.
Bacteria	Micro-organisms that help break down (decompose) organic materials.
Bauxite	The rock/mineral ore from which aluminium is made.
Biodegradable	Something that is capable of being broken down by living organisms, principally bacteria and fungi, into a simpler and more stable chemical compound.
Carbon	An element that is one of the essential building blocks of life.
Compost	A soil-like material made from organic waste.
Composting	The process which breaks down organic waste into compost.
Conserve	To look after something; to care for; not using up too many resources.
Cullet	Crushed glass bottles and jars.
Decomposition	The rotting and break down of organic material involving micro-organisms such as bacteria.
Ecosystem	The result of complex relationships between living matter which links plants, animals, humans and other life forms with the environment in which they live.
Energy	The force or strength to carry out activities.
Energy from Waste (EfW)	The process of capturing the energy released by burning (incinerating) rubbish.
Environment	The surroundings in which all plants and animals live.
Fly-tipping	The illegal dumping of waste, usually on roadsides.
Fuel	Coal or wood are examples of fuels burnt to provide power or heat.
Furnace	A very hot oven or fire used to heat or melt substances such as in glass making.
Global warming	The warming of the Earth's atmosphere caused by a build-up of 'greenhouse gases' which slow down the escape of heat from the atmosphere. It is partly caused by human activity and pollution.
Greenhouse gases	Gases such as carbon dioxide and methane in the atmosphere which allow the heat of the sun to reach the Earth but slow down its escape. Instead the heat gets radiated back to earth. This is called 'global warming'.
Habitat	The natural home of any plant or animal.
Hierarchy	A list of things in order of importance or priority.
Household waste	Waste from your home.
Household Waste Recycling Centre	A site provided by the County Council where householders can recycle a wide range of materials and dispose of some other rubbish.
Impermeable	A substance which does not allow fluid and/or gas to pass through. For example, a layer or lining found in a landfill site stopping liquids seeping down into the ground.
Incinerator	A large furnace which burns waste, usually with the energy produced being recovered and for usage.
Junk Mail	Unsolicited mail sent to houses by advertisers and companies.
Kerbside recycling	The collection of your household waste from the boundary of a property.
Landfill	A method of disposing of rubbish by putting it in holes in the ground - a 'landfill site'.
Landfill site	Large holes in the ground used for waste disposal.

Leachate	A liquid that forms at the bottom of landfill sites as organic materials decomposes.
Litter	Rubbish dropped in our streets and local environment.
Methane	A colourless gas produced from rotting organic waste. A greenhouse gas.
Micro-organisms	Tiny creatures which can only seen with the help of a microscope.
Mineral	A naturally occurring solid substance often obtained by mining.
MRF	Materials Recovery Facility (MRF pronounced "murf") - a specialised building for separating, processing and storing materials separated from rubbish so they can be recycled into new products.
Natural	Something occurring in nature, not human-made.
Nitrogen	A colourless, odourless gas that forms 78% of the air.
Nutrients	Substances or food necessary for the growth of plants and animals.
Ore	A naturally occurring rock or mineral, e.g. bauxite, from which metals are extracted by heating.
Organic	Living or once living plants, animals, or people (i.e. not synthetic).
Organism	A single living plant, animal, bacterium or fungus.
Oxygen	A colourless, odourless gas essential for respiration; also used in industry.
Packaging	Paper, cardboard, glass, plastic or foil wrappings protecting a product we buy.
Pollutants	Substances which can damage the environment when released into it.
Pollution	The presence in the environment of harmful pollutants, substances or materials.
Raw materials	Materials used to make products, for example sand to make glass, ore to make metal, oil to make plastic and wood to make furniture.
Recycling	Collecting and processing discarded materials to make new products.
Recyclable	A resource able to be recycled.
Reduce	To make less; to become smaller.
Refuse	Rubbish or waste.
Renewable	A resource which can renew itself or be replaced, for example wood.
Resource	Materials, energy or substances which we use.
Re-use	Using a product more than once while it's still in the same form.
Rubbish	Materials that people no longer want or think there is no further use for.
Steel	Metal made from iron ore - steel is magnetic.
Sustainability	The goal of using the Earth's resources in ways that do not diminish them and allow fair shares for all for the present and future generations.
Sustainable development	Development which helps achieve the goal of sustainability. It does not damage, or take too many natural resources; it leaves the environment in good order for future generations.
Synthetic	Artificial fibres such as lycra and nylon made using chemical processes.
Textiles	Fabrics or materials which can be natural e.g. wool, or synthetic e.g. lycra.
Vermin	Unwanted pests such as rats and pigeons.
Vermiculture	Composting using special worms.
Waste	Rubbish, refuse.
Waste management	Looking after, or controlling, collected rubbish.
Waste minimisation	Reducing the amount of waste produced.