

CEEmail



Council for Environmental Education

Environmental Education and Sustainable Development

RESOURCES AND INFORMATION FOR TEACHERS



We're raising standards

Leicester schools are raising standards of achievement in education and environmental management. Pupils at 50 city schools are gaining new understandings and new motivation to learn – and they're helping the environment too.

So far, 18 schools in the city have achieved verification in the Environmental Management and Audit Scheme (EMAS), and 32 more are working towards it. Leading the way are schools such as Beaumont Lodge Primary School, where staff and pupils are cutting waste and saving energy and money while also boosting biodiversity by creating a new woodland wildlife area.

Key to their success is local environmental organisation Environ, financed by the Government's Neighbourhood Renewal Fund.

EMAS recognises and rewards organisations that go beyond minimum legal compliance and continuously improve. Originally set up for companies by the European Union in 1995, it has been open to all organisations since 2001.

With DfES due to complete revision of the Schools Environmental Assessment Method by autumn and with a wide range of independent environmental award schemes competing for schools' attention – CEE research in 2002 identified nearly 30 – there is a growing need to set national standards. Schools are eager to join in and funding bodies are keen to support them. Leicester's success may offer a valuable lesson.

• See <http://europa.eu.int/comm/environment/emas> or www.emas.org.uk

Proud pupils at Beaumont Lodge Primary School, Leicester.

CEE's work is funded by:

- Department for Education and Skills
- Department for Environment, Food and Rural Affairs
- Heritage Lottery Fund
- The Baring Foundation
- National Grid Transco

Summer 2004

Resources

A development framework for developing good practice through learning for sustainability Key Stages 1–4

WWF-UK's pilot edition of a practical guide on developing a whole-school approach to education for sustainable development (ESD). A tool for participatory self-evaluation and school-based action research, it sets out the background for the development framework and provides a flexible sequence of activities and tools for ESD self-assessment, planning, monitoring and evaluation. With diagrams and resource sheets.

■ WWF-UK, 2004. Free.

From: Anna Birney, WWF-UK, Panda House, Weyside Park, Godalming, Surrey GU7 1XR.
Tel 01483 426444 Fax 01483 426409
Email info@wwf.org.uk
Website www.wwf.org.uk

English Heritage education pack Key Stages 1–4

Consists of three booklets: *free visits, using historic sites* and a resources catalogue.

Supports the English Heritage free educational visits scheme, with complete listings and contact details for more than 400 sites, information on getting the best out of an educational visit and booking details.

■ English Heritage, 2004. Free.

From: English Heritage Education, Freepost 22 (WD214), London W1E 7EZ.
Tel 0870 333 1181
Email education@english-heritage.org.uk
Website www.english-heritage.org.uk/education



K-world CD-ROM

Environmental Data Unit within the Environment Agency have produced this CD-ROM for schools. Not aimed at any specific key stage, it is intended as a fun tool and uses cartoons, facts and games to allow pupils to access various environmental information offline.

■ Environment Agency, 2003. Free.

From: Claire Hainsworth, Web Environmental Information Technician, Environment Agency Head Office, Rio House, Almonsbury, Bristol BS32 4UD.
Tel 01225 487610 Fax 01225 469939
Email claire.hainsworth@environment-agency.gov.uk
Website www.environment-agency.gov.uk/fun

Hands on technology: understanding sustainability at Key Stage 4 Key Stage 4 and GCSE Design and technology

A video-based resource pack by Intermediate Technology Development Group (ITDG) in collaboration with Television Trust for the Environment (TVE). Aims to help young people develop thinking skills that will enhance decision-making, enable pupils to answer questions on sustainability in the new GCSE specifications, and support design and technology departments to meet the Ofsted requirement for evidence of sustainability in teaching. Provides ideas and information for introducing sustainable development to pupils and, based on the video, has three sections that address *sustainable product design, sustainable food technology* and *sustainable textiles technology*. Based on TVE's award-winning environmental series of programmes Hands On – Earth Report.

■ Pitt, James. ITDG Publishing, 2003. ISBN 1 853 39 587 0. £25 + p&p.

From: ITDG Publishing, 103–105 Southampton Row, London WC1B 4HL.
Tel 020 7436 9761 Fax 020 7436 2013
Email marketing@itpubs.org.uk
Website www.itdgpublishing.org.uk

Food & Farming – local & global Key Stages 1–4

Designed by West Midlands teachers to stimulate lively teaching and learning about food and farming issues in the UK and around the world. It includes practical examples of classroom practice.

■ Teachers in Development Education and Farming and Countryside Education, 2004.
ISBN 0 948 83 889 2. £8 + £1.60 p&p.

From: Tide Centre, G04 Millennium Point, Curzon Street, Birmingham B4 7XG.
Email ben@tidec.org
Website www.tidec.org



Citizenship

Key Stage 3 Geography and PSHE

A classroom video with teachers' notes based on the UK campaign organisation Surfers Against Sewage (SAS). For use with pupils aged 11–16, it aims to inspire individuals to think about issues that affect their lives in their environment and how they would like to change them. The programme sets out three strands for addressing issues – social and moral responsibility, community involvement, and political literacy – to effect change at local, national and international

levels. Illustrated with examples from the SAS environmental campaign, the programme is divided into four sections: get passionate; get support; get legal; and success. Each section is self-contained with suggestions for discussions and other classroom activities.

■ Classroom Video, 2001. £40 + £1.50 p&p.

From: Classroom Video, Unit 2, Northavon Business Centre, Dean Road, Yate, Bristol BS37 5NH.
Tel 01454 324222 Fax 01454 325222
Email sales@classroomvideo.co.uk
Website www.classroomvideo.com/uk

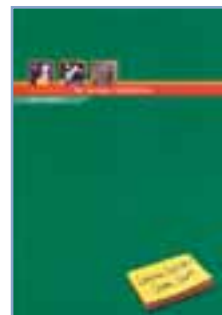
Geography: the global dimension Key Stage 3 Geography, Citizenship

Produced by the Development Education Association (DEA) and the Geographical Association (GA) for teachers, trainee teachers and

advisers to enable them to address the global dimension in geography education. A complementary website has also been produced. Supported by DfID (Department for International Development).

■ Lambert, David et al. DEA, 2004. ISBN 1 900 10 915 8. £7.99 per copy + £4 p&p for up to 10 copies.

From: Geographical Association, 160 Solly Street, Sheffield S1 4BF. Tel 0114 296 0088
Email sales@geography.org.uk
Website www.geography.org.uk/global



Farm animals and us 2 – feeding the world without cruelty to animals

Key Stages 3, 4 and post-16 Citizenship, Geography, Science, Religious education, English, Media studies

Twenty-one-minute video and separate teachers' pack by Compassion in World Farming Trust on the choices we have to make to ensure a sustainable future for animal farming. Starts with a comparison of intensive farming systems for pigs, chicken meat and eggs with their free-range alternatives. It then examines the sentience of farm animals – their intelligence, emotional lives and their capacity for happiness and suffering. Finally, it explores the economics of free-range versus intensive production and the practicalities of feeding the world.

■ CIWF Trust, 2004. £5 for video and £5 for teachers' pack.

From: CIWF Trust, Charles House, 5A Charles Street, Petersfield, Hampshire GU32 3EH.
Tel 01730 268070 Fax 01730 260791
Email ciwftrust@ciwf.co.uk
Website www.ciwf.org

Online

Nature for Schools

www.english-nature.org.uk

Key Stages 1–3 Science, Geography

English Nature's site is designed to put nature back in the classroom and help pupils explore nature on their own doorstep. Provides more than 100 lesson plans, activities and information for children. Written and tested by teachers, the material supports QCA Scheme of Work units in science, geography, art and design, design and technology and citizenship.

Birds in Wetland Reserves – Global links

www.wwtlearn.org.uk

Key Stages 2–3

The Wildfowl and Wetland Trust's education website now contains a link on the news page to a project linking schools in the UK and Singapore. The project enables schools to record data about wetland birds and share results and experiences. Includes a nature journal of records from participants, forum discussions, trails, quizzes, lists of resources and partner schools. The project is open to pupils aged 10 to 14 years.

Science across the world

www.scienceacross.org

Key Stages 3 & 4

Science Across the World is an international programme for schools to explore science locally and share insights globally. Directed from the offices of the Association for Science Education (ASE) in the UK and with support from GlaxoSmithKline (GSK), the programme is run through the website and currently involves thousands of schools across five continents – Africa, Asia Pacific, Europe, Latin America and North America. Offers a lifetime membership to schools at the cost of £20/€30/\$30. A free six-month trial period is also offered after which schools can take up a lifetime membership when they are sure they have enough interest from their pupils. The website also includes extension activities and information about links to related units in QCA Schemes of Work.

Recyclezone

www.recyclezone.org.uk

Key Stages 1–3

Waste Watch schools website introducing ideas about reduction, reuse and recycling of waste to children aged between 5 and 13 years old. Sectioned into five zones, four zones provide children with games,

power, this site contains cross-curricular activities for pupils examining the following areas: location of wind farms; turbine construction; power distribution; and public awareness of sustainable energy issues. The site also signposts further sources of information for more detailed research.

Sustrans offers more on Safe Routes to School

www.saferoutestoschools.org.uk

Sustainable transport charity Sustrans has revamped its website. It now contains more information, resources, guidance and case studies for all involved in school journeys in the UK. Links for teachers, pupils, parents, local authorities and school governors on how to become involved in Safe Routes to Schools projects.



activities and information about the 3Rs of waste – reduce, reuse, recycle. The fifth zone is for busy teachers and school managers, providing ideas for linking sustainable resource use to many aspects of the national curriculum. This zone also contains information packs and other waste education materials for use in the classroom which can be ordered from Waste Watch free of charge.

Energy to live, energy to learn

www.natwindpower.co.uk/education

Key Stages 2 & 3 Design and technology, Geography, ICT, Science, PSHE and Citizenship.



Developed by CREATE (Centre for Research, Education and Training in Energy), in partnership with National Wind Power and sister company

Centre for Sustainable Energy: Energy Matters

www.cse.org.uk/energymattersresources

Key Stages 1–3

Energy Matters is now available as a free resource on sustainable energy use via the CSE website. It encourages pupils to investigate aspects of energy use and resources at home and at school, and to analyse their findings to develop recommendations for energy-saving or for renewable energy options. All activities are supported by teachers' notes, indicating national curriculum links and background energy information. The programme takes pupils through an introduction to energy, investigative exercises and analysis to developing their conclusions. The site also includes extension activities and information on links to related units in QCA Schemes of Work.

NFER Research and Publications on Environmental Education

www.nfer.ac.uk/research/env.asp

NFER (National Foundation for Educational Research) website includes environmental

education as one of four themes covering projects and publications from its research programme. NFER's work in the field encompasses topics such as environmental learning, education for sustainable development, outdoor learning, and school grounds. Current research categories include pre-school, primary and secondary education.

A sustainable school for the future

www.wwflearning.co.uk

Key Stage 2 English, ICT, PSHE, Citizenship, Geography, Science, Environmental studies

WWF encourages schools to register now for the Sustainable School for the Future programme, which will take place over two weeks from 1–12 November 2004. Aimed at pupils aged 9 to 11 years, it will include classroom activities, an online debate and a school linking project. The programme challenges schools with a fictitious task of designing a new school on the assumption that they have to relocate. Pupils are requested to be visionary, creative and innovative, taking into account issues of sustainability in coming up with designs for now and the future.

Woodcraft Heritage

www.woodcraftheritage.org.uk

The Woodcraft Folk's new website developed with funding from the Heritage Lottery Fund, exploring young people's activity in peace education, with refugees, and in the environment. Features include *Time Travellers*, a collection of education activities for children between 9 and 13 years old, on Woodcraft Folk themes that have been active throughout its history. There are also more than 900 documents, photos and artefacts dating from 1925 to 1990. The Digital Archive has a section on the environment containing nine historic documents on policies, activities and resources relating to environmental education. The site provides a picture of the Woodcraft Folk's beliefs, activities and organisation.

Competitions, Awards and Grants

The BA Science Communicators Competition

Organiser: British Association for the Advancement of Science.

Task: Pupils aged 11–15 years are to design an A4 poster on what they think scientists should work on, and pupils aged 16–19 years are to describe, in 800 words, the kind of research that scientists should carry out, and why, over the next 50 years in various areas of science including the environment.

Categories: 11–15 years, 16–19 years.

Prizes: A winner in each category will be selected to attend the BA Festival of Science, which will take place from 6–10 September at the University of Exeter. Winning entries will be displayed at the event, and the winners' schools will receive a free one-year membership to the BA Science Communicators award scheme.

Closing date: 24 June 2004.

Application details: BA, Science Communicators Competition, Wellcome Wolfson Building, 165 Queen's Gate, London, SW7 5HE. Website www.the-ba.net/the-ba/ResourcesforLearning/_Sciencecommcompetition.htm

RPCA Young Photographer of the Year Competition

Organiser: Royal Society for the Protection of Animals (RSPCA).

Task: Send photographs of pets, farm or wild animals – flying, walking, swimming or generally getting up to animal antics.

Categories: UK and Ireland under 12 years – one winner and four runners-up; 12–18 years – one winner and four runners-up; school prize – one winning school; portfolio prize – one winner; overall winner – to be chosen from all entrants.

Prizes: £250 plus camera for overall winner; £100 plus camera for age category winners; £50 plus camera for age category runners-up; £500 and a trophy for the school winner; camera and five photographs for the portfolio winner.

Closing date: 17 September 2004.

Application details: RSPCA Young Photographer of the Year, Publications Department, RSPCA, Wilberforce Way, Southwater, Horsham, West Sussex RH13 9RS. Tel 0870 3335 999 Fax 0870 7530 284 Email education@rspca.org.uk Website www.rspca.org.uk/ypa

Education, Innovation and Research Grants

Organiser: British Ecological Society.

Task: Design new approaches in communicating ecology that promote good practice and make ecology stimulating. Can be done by: development of innovative ecological curriculum material by classroom teachers; innovative ways of involving pupils in ecological research projects; certain types of school-based expeditions involving pupils that provide innovative ways of providing ecological field experience for young people; innovative ways for providing ecological INSET for teachers and other communicators.

Categories: Teachers, others involved in formal education.

Grant: Up to £750.

Closing date: 30 September 2004.

Application details: Dr Debbie Smith, Education, Training and Careers Committee, BES, 26 Blades Court, Deodar Road, Putney, London SW15 2NU. Tel 020 8871 9797 Fax 020 8871 9779 Email debbie@BritishEcologicalSociety.org.uk Website www.britishecologicalsociety.org/articles/grants/research/eirg

Events

5–13 June

Wildlife Week

Supported by The Wildlife Trusts, a week of activities encouraging UK schools to use their grounds. This year's theme is based on children's moral and spiritual awareness in relation to their grounds, local communities and the wider world.

Venue: Nationwide.

Details: Nicola Strazzullo, Wildlife Trusts UK Press Officer. Tel 0870 0367711 or 07887 754659 mobile Fax 0870 0360101 Email press@wildlife-trusts.cix.co.uk Website www.wildlifetrusts.org

an awareness of their place in the environment. The starting point is 'My Space', and the events will spiral outwards to appreciation of friends, school and grounds, community and ultimately 'Our Place'.

Venue: Nationwide.

Details: LtL, 3rd Floor, Southside Offices, The Law Courts, Winchester SO32 9DL. Tel 01962 846258 Email schoolgrounds-uk@ltl.org.uk Website www.ltl.org.uk/nationalschoolgroundweek

12–20 June

National Bike Week

UK's annual celebration of cycling and an opportunity to encourage cycling to school. There will be 1,500 local events held around the country with themes such as 'Where to Cycle' and 'Have a Go'.

Venue: Nationwide.

Details: Nick Harvey.

Tel 01243 527444 or 07730 438082 mobile Email nick@bikeweek.org.uk Website www.bikeweek.org.uk

14 June – 20 August

Fundamentals of Environmental Education Online Course

The Environmental Education and Training Partnership, College of Natural Resources, University of Wisconsin-Stevens Point, USA, presents this 10-week course. Participants can discuss the history, definition and goals of environmental education, develop an understanding of the professional roles and methods of environmental educators, and interact with educators from across the USA.

Venue: Internet.

Details: Sarah Wilcox, University of Wisconsin-Stevens Point, College of Natural Resources, Stevens Point, WI 54481, USA. Tel 00 1 715 346 4957

Fax 00 1 715 346 4385 Email Sarah.Wilcox@uwsp.edu Website www.eetap.org

8 July

Organising and Running Wildlife Events for Young People

An ETN course on how to make events fun, educational, participative and safe. Includes how to come up with ideas, where to get help, promotion, suitability of sites and venues.

Venue: Exeter.

Cost: £100 + VAT voluntary organisations, £150 + VAT others.

Details: Pat Brayshaw or Helen Woodward-Clarke, ETN, c/o BTCV, 47–50 Hockley Hill, Hockley, Birmingham B18 5AQ. Tel 0121 507 8390 Fax 0121 507 8391 Email ETN@unite.net Website www.btcv.org/etn

● For more events visit www.cee.org.uk

Publisher: The Council for Environmental Education (CEE), representing more than 70 national organisations, produces *CEEmail* to save teachers time accessing information and resources.

For further information contact: CEE, 94 London Street, Reading RG1 4SJ. Tel 0118 950 2550 Fax 0118 959 1955

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