


These resources have been reviewed against the criteria in the Intelligent Metering Strategy document. Do they engage, enable and incentivise a building user to change their behaviour with regard to energy and water use. More than 50 organisations and websites have been reviewed and there are hyperlinks to key documents. Only the best have been included. Symbols have been allocated to each aspect of behaviour change. Three symbols – excellent. 2 very good and 1 good. Some will be focussed on ‘enabling’ perhaps ‘giving information ’ for example. [Carbon dioxide Analysis centre](#). This is a brilliant site and will help partners produce bespoke display material based on the C02 output of their regions, so has 3 😊 However it is not intended to ‘engage’ learners whether adults or young people, hence only 1 symbol ❤️ . Although partner countries will necessarily develop their own ‘stickers/ certificates for incentivising sites have been included that have examples and indicated by this symbol ☀️ This is a European project and there are several references to sites that have European contributions in the partner languages . This symbol ★ denotes these. Finally Key resources are indicated thus ★ For example the WWF material has been referenced in the training manual. These resources will help to fulfil our short term aim of delivering training to municipal building users. . They may have ready made pupil resources, that fit our brief or may be good links to resources for creating quick bespoke material. In addition they also may have ideas for projects that engage adults in ‘Sustainable practices’.

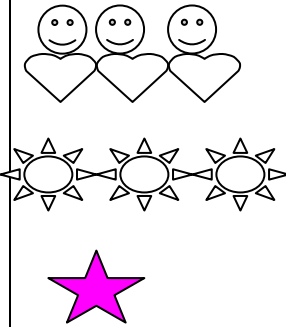
The Intelligent Metering ‘training tool kit’ consists of the [Training strategy](#), 2 manuals- one for [schools](#) and one for [non-school](#) buildings, the WWF ESD training booklet [‘Pathways –Learning for sustainability’](#) , [PowerPoint presentations](#) for different audiences, [Posters](#), [Stickers](#), [Action pamphlets](#), [best practice guides](#), and [good housekeeping guides](#).

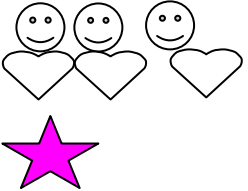
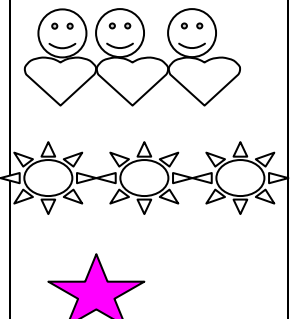
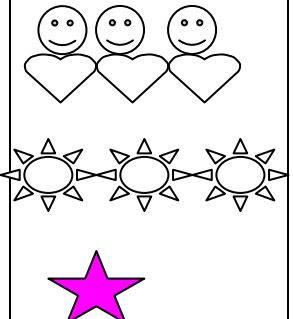
It is intended that this will be a dynamic resource and as partner countries add more resources to the site they can be added to this catalogue and reviewed by the training co-ordinator.

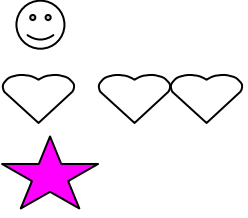
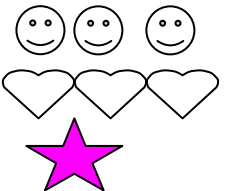
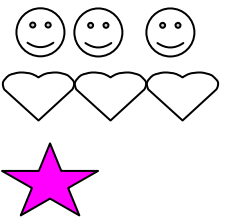
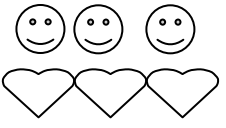
The Intelligent Metering Project

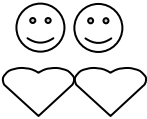
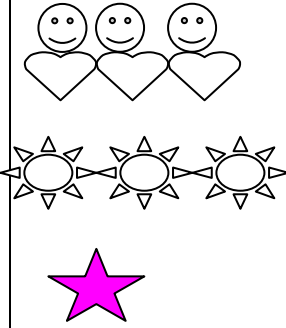
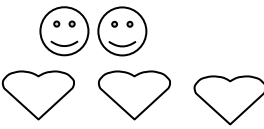
	Intelligent Energy Europe	Web site details only	<p>Intelligent Energy – Europe is an EU programme to boost energy efficiency and the use of renewables. With a total budget of €250 million, it co-finances activities, which support the objectives of the programme and hence EU energy policy. This project - 'Energy savings from intelligent metering and behavioural change' is one of a number detailed in 'Contracted projects related to the building sector' - page 30. IEE is part of the European Commission Director General for Energy and transport -Managenergy . They have just published a report Education on Energy - Teaching tomorrow's energy consumers</p>
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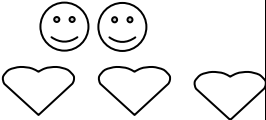
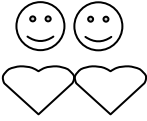
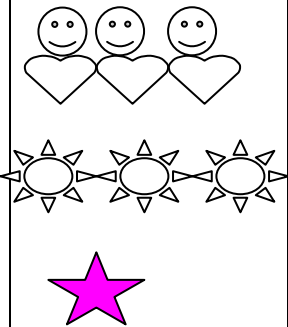
Teaching and learning about Energy

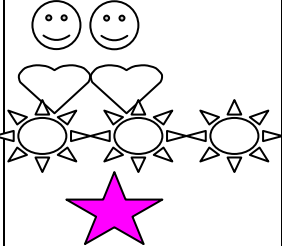
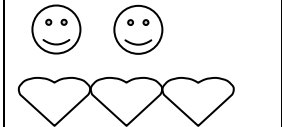
	Centre for Alternative Technology	Machynlleth, Powys SY20 9AZ Tel: 01654 703743 Fax: 01654 702782	<p>School and university pupils can go to CAT for day or residential visits. Their eco-cabins are unique - pupils can monitor their own resource use! Complete monitoring of the energy inputs and outputs can be carried out from within each cabin. Wood can be weighed and the volume of gas used can be measured. The unique `Electricity Board' records the battery voltage as well as all electrical inputs and outputs. In addition it displays the available solar energy, wind speed and inside and outside temperatures. Although simple for the novice to read and understand, this information can be used to make detailed calculations on the efficiency of the turbines and solar cells. A perfect visit for an 'Intelligent Metering' school!</p> <p>Its education resources include 'A guide to educational resources in Sustainable development', this has a very comprehensive list of resources on ESD and also reviews books and teaching packs beyond the scope of this catalogue. Windfarm turbine interactive simulation, A demonstration of how wind turbines and windfarms work, including wind turbine parts, siting, impacts, costings and operation.</p> <p>CAT also produces publications for pupils, teachers and for general and specialist interest and sells a variety of other educational publications through its mail order service.</p>
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	Centre for Research Education and Training in Energy (CREATE)	Kenley House, 25 Bridgeman Terrace, Wigan WN1 1TD Tel: 01942 322271 Fax: 01942 322273 email: info@create.org.uk	CREATE is the national co-ordinating body for energy education. It publishes a free teachers' newsletter, provides an information service to all school managers, teachers, pupils and students and publishes educational books and software.
	Energy chest	Web site details only	This is a web based guide to energy and its use in schools. There are three sections Energy in buildings – There are details of how to complete three school surveys, on lighting, hot and cold spots and the use of appliances. Energy in the Environment looks at Energy and transport, the school environment, energy from waste and energy and water. Energy sources has information and activities on renewable energy.
	Teachernet	Web site details only	This DFES website provides - the rationale for using school buildings and their energy and water systems as educational resources, advice on whole school approaches to the wise use of energy and water . downloadable curriculum maps , lists of educational links and resources, management and design advice. It also includes downloadable activity sheets

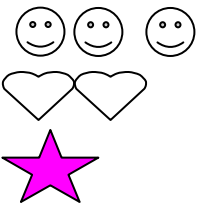
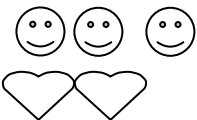
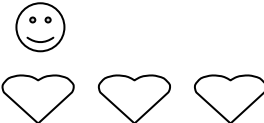

	Association for Science Education (ASE)	College Lane, Hatfield, Herts, AL10 9AA Tel: 01707 267411 Fax: 01707 266532 email: ase@asehq.telme.com	This is the lead organisation for UK Science teachers and has many links to teaching and learning about ESD. The clip art section contains lots of good images on Energy and the Environment and will be useful for personalising Intelligent Metering school resources.
	Centre for Sustainable Energy (CSE)	CREATE Centre, B-Bond Warehouse, Smeaton Road, Bristol, BS1 6XN Tel: 0117 929 9950 Fax: 0117 929 9114 email: info@cse.org.uk	CSE runs an Education Programme, which aims to promote constructive energy education in schools and colleges, and provides a range of research consultancy, training and advice services. The Energy Matters Resources are freely downloadable and are a superb resource for Intelligent metering. They include activity sheets that enable pupils to complete an energy survey of their school and make and design a meter for measuring drafty classrooms.
	Think energy	Web site details only	This site 'Think Energy' is run by British Gas. It contains online activities for 7 to 14 years old on energy. In addition there are parents and teachers zones with factsheets on energy. The Think Energy Home Survey helps pupils to understand how energy efficient their family is. Top tips describes a set of straightforward family good housekeeping tips.
	Department of Trade (DTI) and Industry – Its only natural programme	Web site details only	The DTI has developed programmes for primary and secondary schools to provide information and teaching resources about eight key renewable energy sources. There are three packs , one a cross curricular resource for ages 5-11 and separate packs for science and geography ages 11-18.


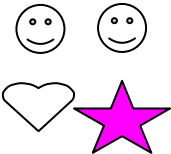

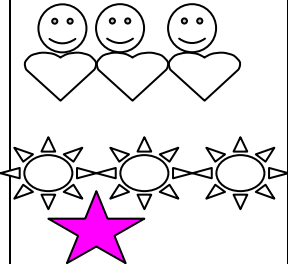
	Energy resources	Web site details only	A site aimed at pupils studying the UK GCSE science course. However it is interactive and creative and will inspire adults and (with guidance) children from 5-16 to learn more about renewable energy.
	The Energy Saving Trust	21 Dartmouth Street, London SW1H 9BP Tel: 020 7222 0101 Fax: 020 7654 2444	The Energy Saving Trust's Energy Certification for Schools programme helps schools manage energy more efficiently. It encourages the school building and its energy use to be used as a learning tool. Alongside the other resources and links in this training manual it is an important tool in the Leicester school 'Intelligent Metering' programme. It encourages ownership by the formation of an 'Energy team'. The following links are provided for our European partners. A 'welcome pack' sets it into context- Making the most of your energy a workbook for schools . Firstly the schools will have the opportunity to complete a detailed on-line survey of energy use. An action plan is produced. Monitoring systems check progress. A manual for the premises officer reviews best practice and the summarises good housekeeping guides. For pupils stickers are provided, there are more on the Intelligent Metering website. Hard copies of the Energy saving Trust Case studies are included in the Intelligent Metering Manual and their successes give incentives for schools to continue to save energy and water. They also produce a calculator that shows how a municipal building's energy consumption relates to its carbon dioxide emissions
	The Science Museum - Energy Gallery	+44 (0)870 870 4868	'Energy' is an interactive gallery where children age 7-14, their teachers and families, can explore how energy powers every aspect of their lives. The gallery is packed with computer-based exhibits and feels like an 'energy playground'. Visitors can play with novel interfaces from spinning drums and touch-screens to dance-floor footpads. The website is packed full of games and quizzes , very good for engaging pupils, an inspiring site.

	Planet energy	Web site details only	This is now managed by the Department for Trade and Industry. The Information Zone provides renewable energy information for teachers, The site is divided into two zones, for 7-11 and 12 –16 year olds. The Energy Trail provides renewable energy information for students. There are games , crosswords and a very accessible simulation which guide pupils through renewable energy choices.
	National Energy Foundation	The National Energy Foundation Davy Avenue Knowlhill Milton Keynes MK5 8NG Tel: 01908 665555 Fax: 01908 665577 E-mail: info@nef.org.uk	<p>The National Energy Foundation (NEF) is an independent educational charity based at Milton Keynes. It was established in 1988 to work for the more efficient, innovative and safe use of energy and to increase public awareness of energy in all its aspects.</p> <p>The Foundation encourages the development of renewable energy and energy efficiency, through specific education and information programmes, the development of energy policy, establishing infrastructure for the UK's sustainable energy sector and by providing consultancy services. The Foundation focuses on domestic, SME and community scale technologies, with an emphasis on successfully integrating renewables with energy efficient technologies. The school materials include practical activities for school children. For example- Making a solar cell</p>
	Renewable Energy School Trial (REST)		The REST site is aimed at UK KS3 year 7 pupils (age 11/12) in the North East region of the UK . The purpose of the information provided in the site is to furnish students with sufficient knowledge so that they can undertake a renewable energy audit of their school to find out where their school could benefit from renewable energy. The audit consists of gathering some information about the current energy provision at the school and making informed decisions about which technology would be best suited to their school. The activities and information on the site are clear and very accessible. After schools have completed their 'good house keeping' campaigns it is a useful 'what next' activity. The competition on the site is unfortunately only aimed at those in the North east but the ideas could be replicated in any school.

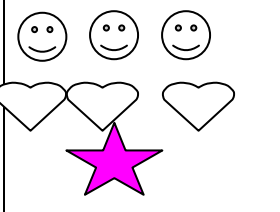

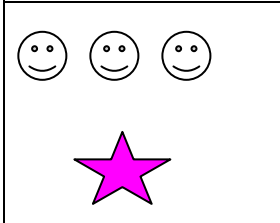

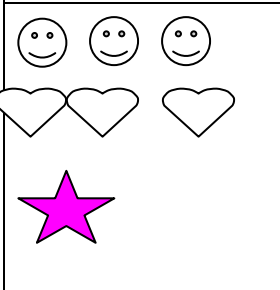
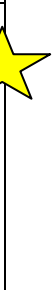
	The Norfolk schools energy club	<p>Project Manager Mrs Susan Crothers CRed School of Environmental Sciences UEA Norwich NR4 7TJ</p> <p>Tel: 01603 591297 Email: s.crothers@uea.ac.uk</p>	<p>This is a project funded by Cred, which is CRed the Community Carbon Reduction Project based in the East of England and focussing on Norfolk and Norwich. This is a selection of activities used in the 'Energy Club'. The starter activities are very pictorial and help students to gain an insight to their own energy usage. washing line activity, energy pictures, They have developed a green amber and red card approach to incentivising their peers to conserve energy and water. survey sheets, survey activity.</p>
	Cool kids for a cool climate	<p>Web site details only</p>	<p>The Cool Kids For A Cool Climate project was set up by Sarah Bowler, a member of Wildlife Watch in the UK. The idea came about when she was working on the Junior Board of the UNEP International Children's Conference on the Environment held in Victoria, Canada in May 2002. The Junior Board were very concerned to make sure the conference had as little impact on the environment as possible. Sarah realised that the flights of all the delegates coming to Victoria from all over the world created a lot of greenhouse gases. The worldwide forest began when Sarah set up a pledge system so that delegates could promise to plant trees at home to make up for the CO2 emitted by their flights to Canada. The site has many activities and links that young people will find very engaging including Taking action</p>

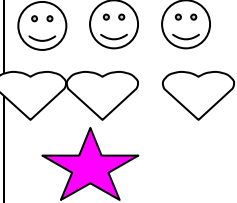
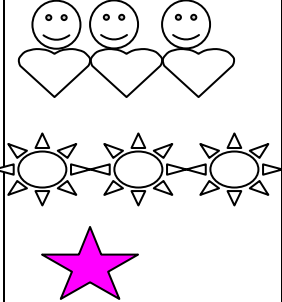
Managing energy and water resources.

	Think leadership	Web site details only	All those involved in school leadership or intending to implement an ESD project in schools should start at this site. It has a comprehensive review of the key stakeholders in UK ESD provision. This site can be used to carry out an environmental assessment of a school or to access information and links to sites about environmental sustainability. A very useful section is the payback calculator , this works out the number of years that it takes to pay back expenditure on energy efficiency measures.
	Sustainable Development UK	Web site details only	The UK government portal site for sustainable development having links to government policy and new initiatives.
	Sustainable Development Commission	London (main office) Sustainable Development Commission Ground Floor, Ergon House Horseferry Road London SW1P 2AL T: 020 7238 4995 F: 020 7238 4981 Email: enquiries@sd-commission.org.uk	The Sustainable Development Commission is the UK Government's independent advisory body on sustainable development. There are lots of good links here to changing behaviour and attitudes towards sustainability, for example the new compass network that hopes to link practitioners in this field.
	DEFRA – The sustainable Development Education Panel	Web site details only	The Panel's five year term came to an end in February 2003, but its work is being taken forward in other ways. Most notably, Defra has been working with and fully supports DfES in creating a Sustainable Development Action Plan for the education sector which builds on the foundation of the Panel's draft " Strategy for Education for Sustainable Development (ESD) in England " presented to Ministers at the Panel's final meeting in February 2003. The Department for Education and skills will publish their action plan on 1 March 2006.

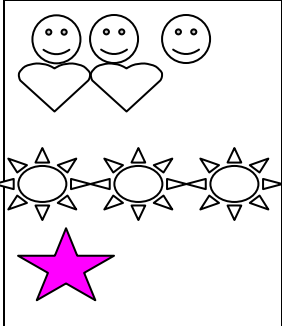
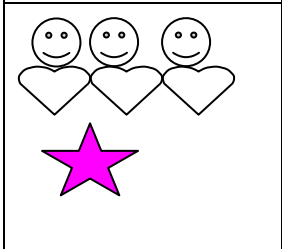
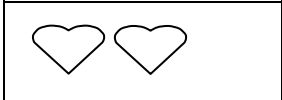
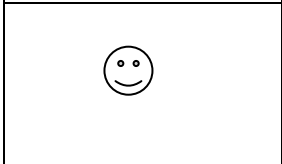
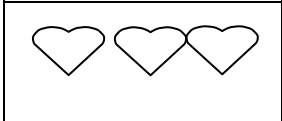
	Building Research Establishment	Building Research Establishment, Garston Watford WD2 7JR Tel: 01923 664258 Fax: 01923 664787 email: environment@bre.co.uk	BRE provides the buildings expertise to the Energy Saving Trust and to the various Carbon Trust customer support programmes, providing unbiased advice and guidance to improve energy efficiency and make greater use of energy-efficient techniques. This site is good for school managers needing to know more about their buildings and energy efficiency.
	The Carbon Trust - Action Energy Scheme.	Telephone 01527515755	This web site provides a management tool for comparing the energy used in a school with the typical consumption of similar schools. This can help to indicate which schools have developed good energy practices that deserve to be publicised. It can also indicate which schools need to address their energy policies, to reduce energy consumption and costs. This will be useful for premises officers in the Leicester schools, in addition the partner European countries may also find this data valuable.
	Net reg	Web site details only	The NetRegs website is free to use and is regularly updated. Its aim is to help small and medium-sized enterprises (SMEs) in the UK to understand the complex environmental regulations that can affect them. The site provides guidance on how to comply with environmental law as well as advice on good environmental practice.
	The Display project	Web site details only	The European Display™ Campaign is a voluntary scheme designed by energy experts from 20 European towns and cities. It is aimed at encouraging local authorities to publicly display the energy and environmental performances of their public buildings using the same energy label that is used for household appliances. Leicester City council is a founding member and all buildings can take advantage of the resources available. These include many incentive schemes including the Towards 'A' Class (TCA) awards . Those municipalities that subscribe have access to a wide variety of campaigning and motivating resources.

International Programmes

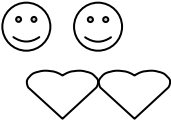

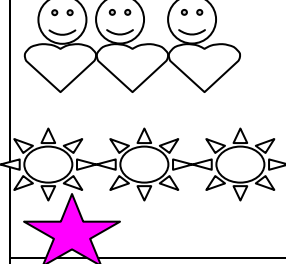
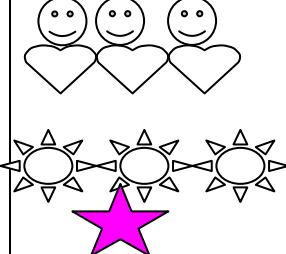
	The GLOBE Programme	<p>The GLOBE Programme Warwickshire Wildlife Trust Brandon Marsh Nature Centre Brandon Lane Coventry CV3 3GW web page</p>	<p>GLOBE was initiated in 1994 in the USA by Al Gore. It is run by the United States government through partnerships with other countries. To date 104 countries have joined the programme and over 10 million data records have been compiled by the 14,000 schools taking part. GLOBE also accesses weather station records and satellite images from NASA and NOAA in the USA. Their new <u>Sustainable Development Activities</u> and database are now live. These are translated into French and German.</p>	
	European sustainable education forum	<p>Web site details only</p>	<p>European Sustainable Energy Education Forum (ESEEF) is now a network of European organisations. ESEEF started with an EU Altener project (EEEE) and was officially created at a conference in Copenhagen in December 2000. There is a section with case studies many from Danish schools.</p>	
	Solar schools forum	<p>Web site details only</p>	<p>This site has information in 11 different European languages. There are details of places to visit. There are case studies of school 'renewable energy' projects. It also contains lots of materials and practical projects. For example 'Watts on your Mind' has many activities around the theme of windows and insulation. An excellent resource for Intelligent metering.</p>	



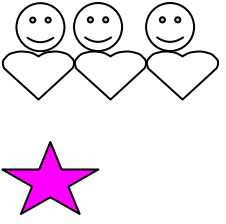

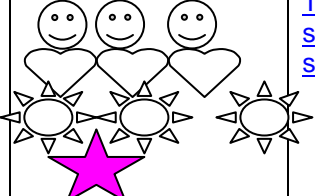
	Kids 4 energy	Web site details only	<p>This is the website for the project: "Evaluation of Energy Efficiency (EE) Information, Education and Training (IET) programmes target at Children and Development of Best Practice". The project was carried out by organisations from nine European countries and finished in 2004.</p> <p>The site includes details of a Best Practice guide for energy education programmes, and cards to be used for energy education, (translated into 4 European languages).</p>
	Science across the world		<p>Their mission is 'Exploring science locally - sharing insights globally'. Thousands of school students from around the World exchange information, opinions and ideas on a variety of science topics with other young people in every continent. Exchanges are possible in several languages. Useful topics for Intelligent Metering include Renewable Energy, Global warming, Domestic waste, and Acid Rain. Schools are also given certificates for taking part – a good incentive.</p>

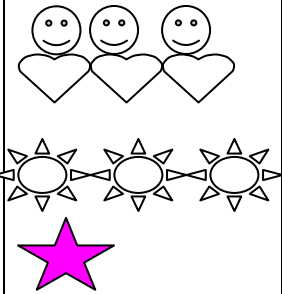
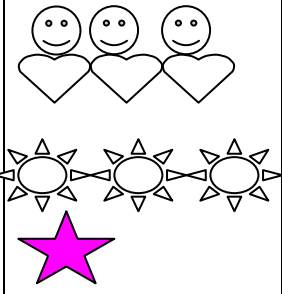

Teaching about water

	Water in the school		<p>This site provides a detailed plan for a water saving campaign in school, much could be replicated in the Intelligent Metering Project. There are Pupil worksheets that guide pupils through the process of 'saving water at school' Their case studies show successful examples of school projects.</p>
	Global Water		<p>An inspiring website that will engage pupils and teachers whilst learning about conserving water. There are good powerpoint presentations, water to drink and 'The UN water for life decade' that can be used to introduce 'water saving and Intelligent Metering'. There are data collection exercises to be completed on-line and in at home. The lesson examples given are fun and practical World water waste, The clip art images include many photographs useful for bespoke presentations. The water cycle section is thorough and fascinating.</p>
	Catch me clam		<p>A Pacman style game on the theme of 'water saving'.</p>
	Water aid		<p>WaterAid is an international charity dedicated to helping people escape the stranglehold of poverty and disease caused by living without safe water and sanitation.</p>
	Water day		<p>'Water day'. This is a brilliant opportunity for engaging the community in saving water locally nationally and globally – and advertising Intelligent Metering. The site gives examples of previous events and there is also an opportunity for advertising current events.</p>

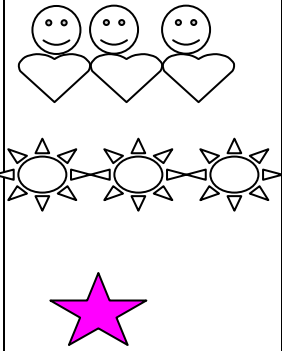
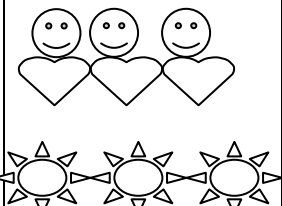
Education For Sustainable Development

	Royal Society for the Protection of Birds (RSPB)	The Lodge, Sandy, Bedfordshire, SG19 2DL Tel: 01767 680551	It is a good site for pupil research into Climate change as the website is very accessible http://www.rspb.org.uk/youth/learn/catalogue/science/greenhouse_effect_etc.asp . It also has clear 'green messages' for adult building users. There are lots of tips for saving energy and water in the home. http://www.rspb.org.uk/green/index.asp .
	Wildlife Trusts	Witham Park, Waterside South, Lincoln, LN5 7JR Tel: 01522 544400	The Junior Section, WATCH, organises practical projects investigating the environment
	World Wildlife Fund (WWF)	Panda House, Weyside Park, Godalming, Surrey, GU7 1XR Tel: 01483 426444	An extensive site with a huge amount of information for schools including, ESD case studies , and a resource centre with downloadable copies of all of their recent publications. This includes ' Learning for Sustainability – Pathways ' the booklet used in the Intelligent Metering training manual. In addition the site has very up-to-date sections on all recent educational innovations and how it links to ESD, for example every child matters . Key stage 4 pupils will benefit from the guidance they give on on-line campaigning . Many pupils will be 'engaged' by this active citizenship approach.
	Eco-Schools	Eco-Schools Manager, Tidy Britain Group; The Pier, Wigan WN3 4EX Tel: 01942 824620 Fax: 01942 824778	Eco-Schools is a European initiative to help schools become environmentally friendly in both the curriculum and the management of the school. An Eco-Schools flag is awarded to schools, which fulfil the criteria. There are currently 900 schools in the UK and a further 2000 in the rest of Europe who have received such an award. Leicester schools, however, have the opportunity to take part in a city wide energy management (EMAS) scheme. (see below).

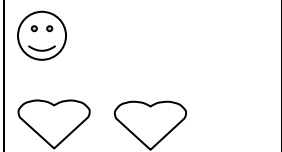
	Groundwork	Groundwork National Office, 85-87 Cornwall Street, Birmingham, B3 3BY Tel: 0121 236 8565 Fax: 0121 236 7356 email: info@groundwork.org.uk	Groundwork is a UK environmental partnership organisation active in 150 towns and cities throughout the country. Groundwork's approach is to devise programmes, which link environmental, social and economic regeneration and contribute to sustainable development.
	BBC News – Global climate change	Web site only	This site has archived resources on recent stories related to climate change.
	Qualifications and Standards Authority – ESD section	Web site only	This website has been designed to help teachers, curriculum coordinators, school managers and governors develop approaches to education for sustainable development. It describes: What is Education for Sustainable development , What are the key elements and characteristics of ESD? , Why is ESD so important? , How can I build on what I'm already doing? Where can I find more information? The Ofsted report ' Taking the first step forward – towards an Education for sustainable development ' gives a review of best practice'
	DEFRA	Defra Information Resource Centre Lower Ground Floor Ergon House c/o Nobel House 17 Smith Square London SW1P 3JR	The Department for Environment Food and Rural Affairs information pages on climate change. They have a section for schools aimed different ages. The 7-11 age can have an energy saving day .
	The Leicester schools EMAS scheme.		This EMAS in Leicester Schools website is produced by the EMAS Education team at Environ . (see below). It has a range of information about EMAS and the actions required to implement it within schools. The site has lots of support and information for the Leicester schools that are members of the scheme. The ' virtual school ' is a clear visual way of understanding the simple 'good housekeeping' mechanisms that are needed to reduce energy use.

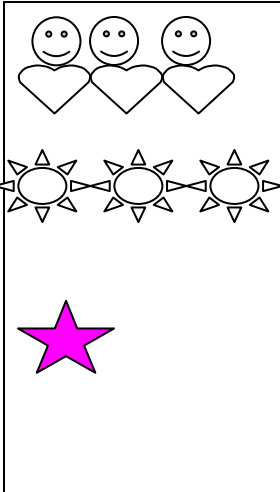
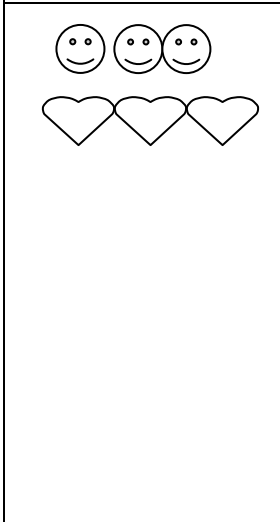
	Environ	<p>Head Office: Western Park Leicester LE3 6HX Tel: +44 (0)116 2220222 Fax: +44 (0)116 255 2343 email: enquiries@environ.org.uk</p>	<p>Thousands of pupils have transformed their schools into greener, cleaner places and learned more about the environment thanks to Environ's education work. The work is varied and their dedicated Education Team are involved with schools at all levels. From European environmental awards schemes (EMAS) to organised trips to nature reserves and the Eco-House, schools and pupils can benefit from a number of projects and activities run by the team. In addition they operate a large number of projects in the Leicestershire and East Midlands Region. Their mission is "We will act as a catalyst for change by inspiring and supporting individuals and organisations to take local action to care for the environment and improve our communities." They operate a wide range of incentive schemes that local schools and business schemes can take part in.</p>
	Wmnet. - climate change		<p>The WMnet Climate Change in the Curriculum programme is designed to encourage and support teaching and learning about climate change during the school year September 2005 to July 2006. It has a thorough index of teaching resources on climate change- some mentioned here but lots more! It also hosts regular ask the expert web cam events. It has an excellent section entitled the 'Climate change pledge' which invites teachers and pupils to choose from a number of actions in their school and community aimed at reducing the school's impact on climate change around the world. Excellent material for incentivising and motivating the school community.</p>
	The Royal Geographical Society	http://www.rgs.org/	<p>The RGS has a mini-site specialising on ESD. This contains two very detailed schemes of work both very useful for integrating the Intelligent Metering project into the school curriculum. The first Geography in the news has a small section that looks at air travel and climate change. The Ecological Footprints scheme of work The section 'Planning and action how can I save the size of my footprints?' refers specifically to changing the size of an individual's and school's resource consumption. (including water and energy) It also has links to the ecological and carbon footprints site funded by the RGS.</p>



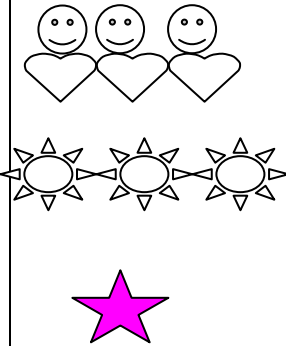
Teaching and learning strategies

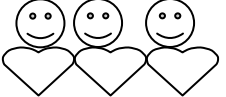


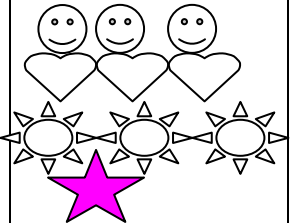
	Ginnis files	Web site	<p>This site has downloadable copies of the 'Ginnis files', these are derived from the 'Learners toolkit', written by Paul Ginnis. These give many mechanisms for 'packaging' learning strategies into lessons and schemes of work. The site details many methods and gives numerous ideas for engaging students in learning. His philosophy, shared by many contemporary UK educationalists, is to take account of the learners' personal needs and styles and that methodologies should be active and participatory. There are many activities that can help to engage our student's learning about Energy and Water. For example there are detailed explanations for ensuring that 'discussion lessons' are productive.</p>
	Thinking through geography		<p>This superb site has numerous examples of active participatory learning techniques, many of them related to ESD and Development education. There is teacher guidance on a wide variety of techniques that stretch the cognitive capacity of learners. For example, 'mysteries', and other games Alternative energy mystery.</p>

Lifelong learning

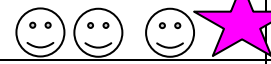
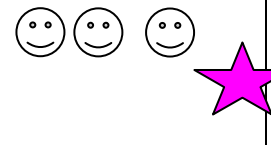
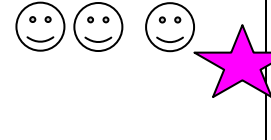
	From Greenhouse to Greenhouse	Website only	<p>A 'consumer's eye view' of the problems and possibilities in reducing CO2 emissions from an ordinary household. This provides hands-on "What can I do?" information, whilst explaining the options available to households in an accessible way. This is a good site for engaging adults in energy and water saving measures. It would also be useful for school citizenship it has links to sites dealing with the politics of climate change</p>
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	<p>Global Action Plan (GAP)</p>	<p>8 Fulwood Place, Gray's Inn, London, WC1V 6HG Tel: 020 7405 5633 Fax: 020 7831 6244 email: all@gapuk.demon.co.uk</p>	<p>Global Action Plan has created a framework for change that works. Their supportive, structured approach recognises the importance of tailoring projects to the priorities and cultures of individual communities. In homes, they bring people together socially and help households to save resources and money - which also sparks new friendships and neighbourhood projects. In businesses by working with them, employees come together to help their organisation to achieve environmental and financial savings by making simple changes to their working practices. In schools, their whole-school approach involves students, teachers and the wider community. The curriculum-linked activities provide innovative environmental education and save precious resources for schools. In communities, their community projects respond to local needs. By connecting people and helping them access local resources, these projects go beyond environmental savings and help to build stronger communities. Contact Global Action Plan for further details and costs involved. This is a good mechanism for engaging adult building users in 'Intelligent Metering'.</p>
	<p>Friends of the Earth</p>	<p>Friends of the Earth 26-28 Underwood Street LONDON N1 7JQ UK Fax: +44 (0) 20 7490 0881 Free phone 0808 800 1111 info@foe.co.uk</p>	<p>The largest international network of environmental groups in the world, represented in 68 countries.</p>

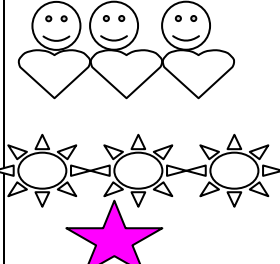
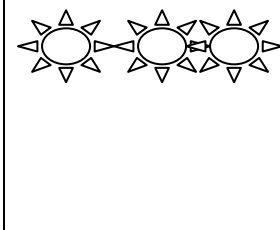
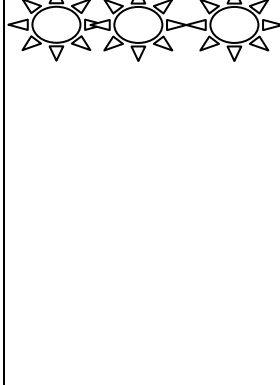
	The Intergovernmental Panel on Climate Change	Web site details only	<p>The Intergovernmental Panel on Climate Change (IPCC) has been established by WMO (world metrological association) and UNEP (United Nations Environment Programme) to assess scientific, technical and socio-economic information relevant for the understanding of climate change, its potential impacts and options for adaptation and mitigation. It is open to all Members of the United Nations and of WMO.</p> <p>Gateway site providing articles and links to all aspects of sustainability and environmental issues. Includes excellent news articles.</p>
	People & the Planet	Web site details only	This site provides a global gateway to the greatest issue of our time: the future health and wellbeing of the human family as it presses ever more heavily on the natural resources of our planet. There are 16 topic sections and a Picture Gallery
	Student force for sustainability	Brewery House High Street Ketton Stamford PE9 3TA Telephone 01780 722072 Fax 01780 722979 sfs@studentforce.org.uk	StudentForce for Sustainability' is a national charity that focuses on young people working and learning to boost their employability, as well as the sustainability of communities and employers. StudentForce leads three main projects; Graduate Resource , CommunityCheck and Millennium Volunteers . Graduate Resource provides a high-quality recruitment service to employers looking for enthusiastic and motivated graduates who want to practice and promote sustainability. The service includes a programme of training and support to ensure that the objectives of the placement are achieved to the highest standard. The CommunityCheck project runs across the East Midlands, providing training and opportunities for volunteers, and a free service to publicly accessible buildings helping them to improve their performance in terms of sustainability. A CommunityCheck looks at efficient use of resources and areas relating to fair and eco-friendly purchasing, impacts on local communities, support for the local economy, and accessibility. Millennium Volunteers is a UK-wide initiative to encourage, support and recognise 16-24 year olds who volunteer their time for the benefit of others in their own locality.

	Green house gas on line	Web site details only	The primary aim of Greenhouse Gas Online is to provide a freely available and up to date resource dedicated to greenhouse gas news and scientific publications. This site also has many references to academic research . A good part is the resource section , which has good slides showing clear evidence for climate change.
	The Climate Ark	Web site details only	The Climate Ark is a Climate Change Portal and Internet Search Tool that provides access to reviewed climate change and renewable energy news and information. The Climate Ark's premise is that Climate Change is occurring and that policy must be crafted now in response.
	Sponge	Web site details only	A network for young professionals interested in sustainability. Many links to events and campaign websites.
	TUSDAC	Web site details only	The Trade Union Sustainable Development Advisory Committee, TUSDAC, was set up in 1998 as the main forum for consultation between Government and Trade Unions on sustainable development and environmental issues. Greening the Workplace aims to encourage trade unions to tackle sustainable development and environment issues, especially the growing challenge of climate change, by using their influence for good at work, in their own organisations, through contacts with Government, and internationally.

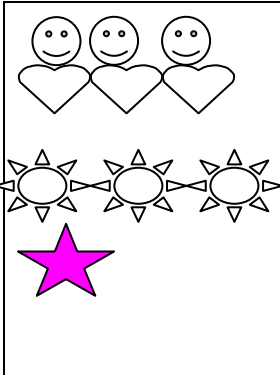
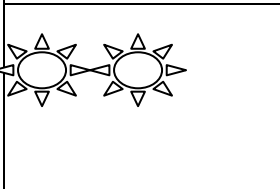
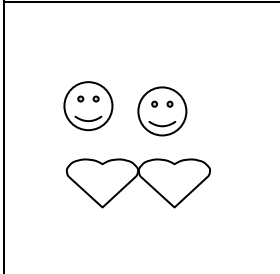
Data and evidence for climate change

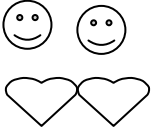
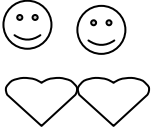
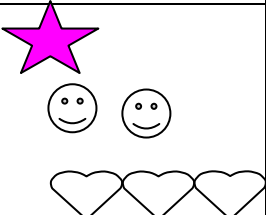
	Carbon dioxide Analysis centre	Web site details only	This contains up to date information on the carbon dioxide emissions of every country in the world.
	World view of global warming- the photographic documentation of climate change	Web site details only	A web site with a huge number of photographs describing the impact of climate change
	World resources institutes – water resources and freshwater ecosystems	Web site details only	This gives detailed water statistics for every country. For example here are the details for Denmark

Rewards and incentives

	BA Crest Awards	<p>Jodie Cole The BA Wellcome Wolfson Building 165 Queen's Gate London SW7 5HD Tel: 020 7019 4944 Fax: 0870 770 7102 Email: jodie.cole@the-ba.net</p>	<p>BA CREST is a nationally recognized accreditation scheme for project work in the fields of science and technology. Aimed at students aged 11-19, BA CREST awards encourage students to develop their scientific curiosity, problem-solving and communication skills. For a small fee Pupils can be accredited for any project work related to 'Intelligent metering'. Suitable project ideas include Wave energy, sustainability, wind energy, biomass, solar energy.</p>
	The leading aspect award	<p>Web site details only</p>	<p>The Leading Aspect Award has been designed with, and by, educational practitioners as a means to recognise leading practice that exists in schools, families of schools, Higher and Further Education Institutions, Behaviour Support Services, Foster Care, Secure Accommodation, in fact anywhere where leading practice exists and which may or may not have been recognised. The schools involved in the Intelligent Metering Project have a unique opportunity to take part in a leading ESD project and thereby qualify for this award.</p>
	Investors in People	<p>Investors in People UK 7-10 Chandos Street London W1G 9DQ 44 (0) 20 7467 1900 information@iipuk.co.uk</p>	<p>Schools that embrace whole school ESD projects can use this as evidence for IIP. Educators are natural 'Investors in People'. They are committed to learning and their priority is the welfare and development of their pupils and students. This means there is a natural 'fit' between the Investors in People Standard and the ethos of educational institutions. Case studies on the website illustrate, that many headteachers and principals have chosen to seek recognition as Investors in People to improve performance because the Standard embodies their own values – the importance of learning and professional development, continuous improvement and the benefits of evaluation. The intelligent Metering project, can be used as a spring board for further ESD work involving everyone that contributes to the success of the institution teachers and lecturers, of course, but also the technicians, office workers, caterers and governors.</p>

Development Education

	Tide~	<p>Tide~ Centre G04 Millennium Point Curzon Street Birmingham B4 7XG</p> <p>Tel:0121 202 3290</p>	<p>Tide~ is a teachers' network which supports creative work to meet young people's educational entitlement ~ to understanding the global dimensions, development perspectives and human rights principles which will shape their lives. The freely downloadable teaching resources are highly recommended. They provide an engaging and exciting backdrop to teaching about Energy and Water. These are underpinned by a strong pedagogy (Bloom's taxonomy) and take an enquiry approach to learning about sustainability. Two recent publications will be very valuable for schools delivering the training materials for Intelligent Metering - Climate change ~ local & global and Water issues ~ local & global.</p>
	The global gateway	<p>Web site details only</p>	<p>This is the UK portal for International partnerships It contains details of the International Schools Award. The Intelligent Metering schools are part of a European project and if they take advantage of the collaboration possible with our European Partners then they will have completed the criteria for 'Intermediate status - developing internationalism'. This is a big incentive for schools, their pupils and teachers.</p>
	Development Education Association	<p>Development Education Association (DEA) 1st Floor, River House 143-145 Farringdon Road London EC1R 3AB UK Tel: +44 (0) 20 7812 1282 Fax: +44 (0) 20 7812 1272</p>	<p>They help schools that are committed to working for international development and sustainable development and help raise awareness and understanding of these issues in the UK.</p>

	The Leicester Masaya Link Group	<p>Leicester Masaya Link Group (LMLG) Room 118, Town Hall, LEICESTER LE1 9BG Tel: 0116 223 2272 Fax: 0116 254 3557 leicester@masaya.fsworld.co.uk</p>	<p>The Leicester Masaya Link Group (LMLG) is a town twinning association, which manages the link between Leicester and Masaya in Nicaragua. The organisation is a charity with a dual function which aims to work towards the relief of poverty in the Masaya region of Nicaragua by working in partnership to facilitate projects for sustainable development on the ground in Masaya. It also raises public awareness around global issues both in Leicester and in Masaya. The LMLG contributes to the provision of development education across all sectors of the community by organising projects in schools, exchange visits, cultural activities, speaker meetings and other public events in Leicester.</p> <p>They operate a number of projects in the Leicester area and their site gives examples of mechanisms for engaging all ages in sustainable development in the East Midlands region.</p>
	The global dimension		<p>Global Dimension is a unique website for teachers. A helpful guide to books, videos, posters and websites with a global dimension. From climate change to poverty, water to fair trade, you can find resources for all age groups and subject areas. In addition it gives good links for teachers on professional development. It has a very comprehensive database of teaching and learning resources.</p>
	Global footprints		<p>It includes lots of practical ideas for Classroom activities. The resources on water give a global perspective to 'water saving' at school for example Water how much will you use?.</p>

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