

SUSTAINABLE DEVELOPMENT KEY STAGE 3 & 4 RESOURCE BOX

All you need for a Sustainability Assembly

These assemblies are designed to engage pupils in thinking about these questions, about the choices we make and about their impact locally and globally. Each assembly can stand alone or they can be used in sequence.

One of the key aims of the National Curriculum is to promote pupil's spiritual, moral, social and cultural development and prepare all pupils for the opportunities, responsibilities and experiences of life. It should develop pupil's awareness and understanding of, and respect for, the environments in which they live, and secure their commitment to sustainable development at a personal, local, national and global level.

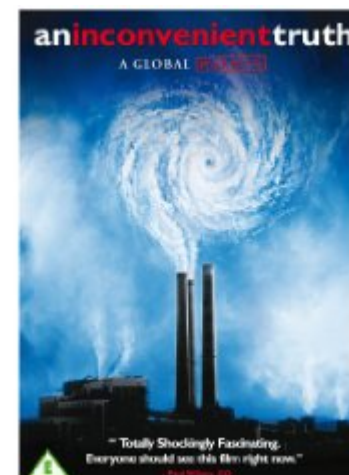
By exploring sustainability issues relating to food, waste and climate change, these assemblies aim to:

- Raise pupil's awareness of ways in which their everyday choices affect their own environment and the environments of others
- Encourage pupil's to think critically about what influences the choices they make and choose wisely.
- Ensure pupil's understand that individuals working together can make a difference and bring about change for the better.
- Empower pupil's to take action and make a positive contribution as Global Citizens.

An Inconvenient Truth (DVD)

An Inconvenient Truth explores the issues around climate change and the media. It challenges students to explore, debate and decide for themselves if climate change is a reality or a myth.

Providing a blueprint for solving the global climate crisis and drawing on Mr. Gore's 40 years of experience as a student, policymaker, author, film-maker, entrepreneur, and activist. A co-recipient of the Nobel Peace Prize in 2007 for his environmental work, Mr. Gore illuminates the real solutions to the climate crisis and describes a comprehensive global strategy to implement them urgently.



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Climate change Local & Global

This resource adopts a learner centred, enquiry approach to the highly topical issue of Climate change. It shares ideas for planning and teaching and is supported by full colour photos, illustrations, internet links and downloadable material.



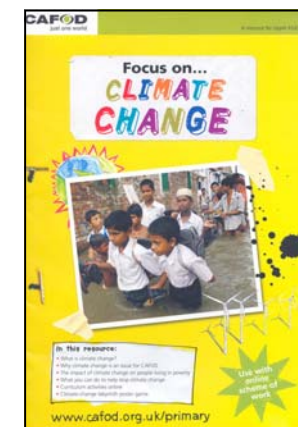
Focus on Climate change

This resource is targeted at upper Key Stage 2 and Key Stage 3. It looks at how climate change is already impacting on people's lives in developing countries and suggests things we can all do to reduce our 'carbon footprint'. A page with background information explains to teachers 'why teach about climate change', and there is another page with simple information on how climate change occurs and the implications for the planet. The inside pages use the examples of Niger and Bangladesh as countries that are suffering the effects of 'not enough water' and 'too much water', and explains how CAFOD has helped people living in these countries.

The pack also includes a 'Climate Change Game' for 2-6 players, with progress along the board dependent on giving the right answers to questions about climate change, its impacts and ways to reduce emissions.

There is also an online cross-curricular scheme of work for Key Stage 2 on 'Climate Change and Sustainability', including PowerPoint files on 'The greenhouse effect explained' and 'The impacts of climate change'.

As CAFOD is a Catholic charity, there is a religious dimension to some of the materials.



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From Spectators to Spect-actors

From Spectators to Spect-actors' is a resource booklet which introduces teachers and others to the concepts of global citizenship and forum theatre. It includes step-by-step session plans with information on getting started, warm-up games, exercises and activities. Covering key stages 2-4, the booklet sets out the key elements of global citizenship, showing both progression and differentiation. The aim of forum theatre is to change the spectator from a passive to an active participant. Forum theatre is not solely for drama teachers. The technique can be adapted and used for any subject and for whole school assemblies.

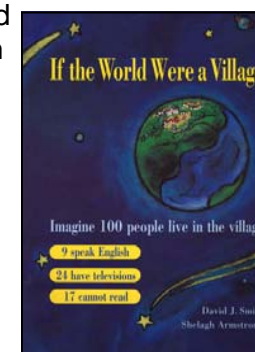
The scheme of work encourages pupils to get active and engage in dialogue about issues of concern in society. There are five detailed (one hour) session plans designed to follow on from one another. Activities are varied and engaging - by mixing drama with real issues pupils can foster participation and responsibility.



If the World were a Village

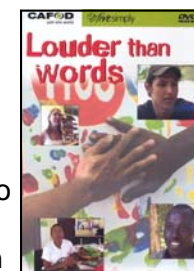
This colourfully illustrated book helps to illustrate several ideas about human development, by imagining that today's world population equates to 100 people. So, for example, 61 people would be from Asia, 13 from Africa, 12 from Europe, 8 from South and Central America, 5 from Canada and the US, and 1 from Oceania. The book continues with this analogy, to explore themes of language, age, religion, food, school, money and electricity. It highlights key development ideas in a simple way, and would be a great basis for maths data handling activities or circle time PSHE discussions. A section at the back of the book also suggests some activities and classroom questions and there is access to a website, which has activities suitable for the UK curriculum.

» [You can see a review of this resource on the Teachers TV website.](#) Pete Greaves from Doveland Primary School in Leicester used the book in class and declared that "...every school should have a copy".



Louder than words DVD

Clarion Awards Winner 2007, Louder than words is CD-ROM with resources based on CAFODs 'live simply' challenge. It contains a series of film clips where young people from around the world talk about the global problems they face, and what actions they are taking to make a difference. For example, there is an exploration of the issues behind gang-violence in El Salvador, a look at a community radio station in Zambia that tackles illiteracy and a Wigan student in the UK who is trying to live sustainability. Accompanying teaching resources include three lesson plans with teaching resources to cover the area of study 'Community'. The resources include printable versions of related liturgy, quotes, worksheets, a PowerPoint presentation and a cartoon starter image. Each lesson is devised from a catholic perspective.



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Lessons in Sustainability

An excellent resource book compiled by teachers from the West Midlands for teaching and learning about sustainable development issues. It was produced in the context of the World Summit on sustainable development in Johannesburg (2002) and highlights the opportunities for children to debate issues and make an active contribution to developing messages for the summit. The resource presented information and examples of work on the media representation of the world summit, issues of wealth and inequality and basic human rights. A range of information and activities were included for specific issues raised at the summit including water and sanitation, waste and pollution, agriculture and food and climate change. The photocopiable information was presented in varied and accessible ways with the use of photographs, drawings, diagrams, graphs and tables. A range of activity ideas were provided with a cross-curricular focus based on existing good practice. These included pupils making decisions about buying British or imported fruit, counting how many bin bags their family filled in a week and planning the efficient use of a fixed amount of water for their household. The activities and approaches adopted allowed the opportunity for learning through practical examples and engaging with issues. Links to specific websites on these issues and related news sites and resources are particularly useful for extension activities and further information. Overall, a very useful resource that can be adapted for a range of classroom needs and stimulate new ideas and practice.



Out of the Bin and into the Secondary Curriculum

A practical resource for Geography, Citizenship and Science which aims to increase understanding of waste minimisation issues and participation in Local Agenda 21. The A4 folder is packed with practical ideas and classroom activities which promote understanding of the 3 R's, Reduce Reuse, Recycle. The pack aims to inform pupils about the issue of waste, which is one area of sustainable development. The pack contains lesson plans, information sheets, photo copiable worksheets, case studies, photographs, newspaper articles and list of relevant speakers.

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Solar Water heater kit

The energy from the sun is used all the time in everyday situation. The radiations from the sun naturally warms objects, people and space; this is called passive solar heating. Solar energy can also be collected via specific panels and is therefore called active solar heating.

The most popular type of panel is the solar water heating collector. These panels absorb the energy from the sun and distribute it to the water used for showers, baths, etc.



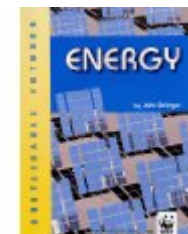
Sustainable Development Environment (DVD)

Using environmental case studies from around the world, chosen for their interest and relevance to students, these programmes offer information to young people on the major environmental challenges of the day, and their underlying economic and social causes, as well as advice on how they themselves can make a difference to the environment. pl@net.com inspires students to make a difference to the environment. Once Upon a Planet seeks to bring schools up to date with the latest thinking on some of the major environmental problems of our time - biodiversity extinction, climate change, pollution and over-consumption of natural resources. The programmes ring an 'alarm bell', spelling out the sheer scale of the global crises confronting us. But there is also a campaigning edge highlighting solutions being developed in Britain and around the world, to show what ordinary citizens can do.



Sustainable Futures Energy

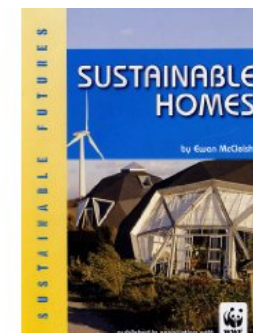
From turning off lights to hydroelectric schemes, energy looks at the issues surrounding the worlds energy supplies and the demand for energy. Discover what we mean by a sustainable energy source, and what you can do to help conserve energy.



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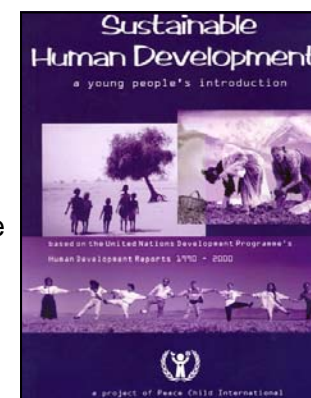
Sustainable Futures Sustainable Homes

From using sustainable building materials to cooking more efficiently, sustainable homes looks at the impact our homes have on the environment and our quality of life. Discover what we mean by sustainable living and what you can do to make your home more sustainable.



Sustainable Human Development (Peacechild International)

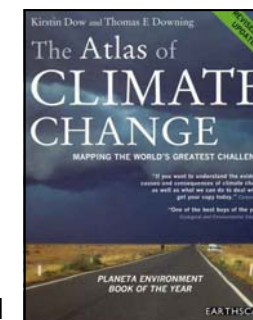
This book introduces the United Nation's Human Development Reports to young people. The book, which has been compiled by young people, explains what Human Development is, and the purpose of the Reports. The book is colourfully illustrated, with drawings, charts and photographs, alongside the text. The material would be suitable for advanced GCSE or A' level study. The book is clearly divided into topics covered by the Reports, such as human rights, globalisation, population and consumption. There are also questions and activities throughout, which could be easily copied for classroom study. Altogether a very accessible and thought-provoking resource.



The Atlas of Climate Change

This atlas examines the reasons behind climate change and its possible impacts on people, health, water resources, ecosystems, coastal cities and cultural treasures. It reviews historical contributions to greenhouse gas levels, progress in meeting international commitments and local efforts to reduce emissions.

The book takes a step-by-step approach, looking firstly at the signs of change and what has influenced it; then considering the expected consequences and examining what has been done, at international, national and regional level, to adapt to climate change and to reduce greenhouse gas emissions. It also looks at what action can be taken on a personal level. It is illustrated throughout with more than 50 full-colour maps, charts and photographs, which can be used in class to focus on specific aspects of climate change, to generate discussion and to analyse data.



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The Poverty Challenge (Christian Aid)

Can exploring issues around serious issues such as poverty and subsistence farming be fun? The Poverty Challenge simulation game provides an engaging way to introduce young people to the issues of sustainability in rural communities. The main game focuses on families in six countries who survive through subsistence farming, and the issues that they face. There are detailed instructions on how to play the game and all game specific information it supplied. Some activities are provided to introduce the concept of sustainability, and there are a range of discussion points that can be looked at during the debrief. To get the most out of the game, it would be best to use it as a part of a wider project on sustainability, including looking at sustainable development in your school, local and wider community.



The Sustainability Handbook

This beautifully designed pack is crammed full of information and ideas on how Design and Technology teachers and students can contribute to creating a more sustainable world. Its aims are to “enable students to produce great designs and great products based on sustainability principles”.

The pack is split into four main sections which look at why sustainable design is important, the social, economic and environmental choices that should be considered when designing a product, practical ideas for making your school more sustainable and activities for students. This final section is jam-packed with engaging lesson ideas centred on the Six R's – rethink, refuse, reduce, reuse, repair and recycle. Each activity has links to further information and a key to indicate which areas of D&T it is suitable for, and which of the “Sustainable Schools” doorways it meets. A tools section also contains different ideas on how to evaluate projects and provides details of where to get more information from. The book is promoted at Key Stage 3 and 4 but activities can be adapted for other levels too.

This is an essential pack for D&T teachers to understand sustainability issues, run exciting lessons and encourage students to develop innovative designs that help to make the world a better place.



Wind Turbine Kit

The desk mounted turbine rotates to face the wind and demonstrates the production of electricity through the attachment of the motor, LED or buzzer units supplied. Worksheets are included.

