



INTRODUCTION TO THE ENERGY HOUSE KIT A TEACHING RESOURCE

Introduction to the Energy House Kit - A Teaching Resource

Introduction

This education resource contains a series of cross-curricular lessons plans and accompanying resources focusing on sustainable energy use in the home and is funded by SEACs (Sustainable Energy Across the Common Space) and the European Regional Development Fund.

The project was selected by the European cross-border Cooperation Programme 'INTERREG IV A France (Channel) – England' and brings together three UK Local Authorities; Devon County Council, Dorset County Council and Wiltshire Council, along with two French Local Authorities; le Conseil Général des Côtes d'Armor, and Lannion-Trégor Agglomération, to tackle the energy challenge that is faced on both sides of the channel. The central aim is to assist schools and individuals to change their behaviour with regards to energy usage, implement sustainable energy measures and therefore reduce their energy demand.

For more information about this transnational project go to www.seacs.info

The Kit

The Energy House kit was developed to teach pupils about personal energy use and climate change and to involve them in planning and implementing a low energy lifestyle at home and at school. The central feature of the programme is to design and produce a model home (the Energy House), demonstrating features of energy good practice, to be used as a tool to inform and engage others.

The Energy House lesson plans are designed to sit within the current Design and Technology learning programme. These are accompanied by a series of Science lesson plans to provide pupils with a greater understanding of the importance of reducing energy consumption – particularly with regards to international concerns about human induced Climate Change. Activity plans for PHSE and Foreign Language are also included to increase pupils' awareness of the links between energy use, health and wealth; to promote a sense of social responsibility; and to encourage cross cultural learning between participating UK and French Schools. A variety of Extra Curricular activities have been developed in addition to continue the learning outside of the classroom.

All lesson plans, guidance notes and supporting documents are available for free, in electronic format for schools to access. It is also intended that flat-pack model houses and equipment necessary for investigations (insulation samples and testing kits, energy monitors and solar electronics kits) will be available for loan to participating schools in Devon, Dorset and Wiltshire. If you are a school outside of these areas, there are drawings/ plans on how



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to build the Energy House as well as a list of necessary equipment in each lesson plan. Please note that any model house would work as long as they are large enough to accommodate a group of pupils.

For further information on this programme and enquiries about taking part contact Doe Fitzsimmons at dorothee.fitzsimmons@devon.org.uk

Curriculum links

All lesson plans and activity plans have been devised to meet National Curriculum requirements for Key Stage 3 Design and Technology, Science, and Personal, Social and Health Education. These are detailed on each individual lesson plan.

