

Green STEM Project: Sustainability

Type	Project
Purpose	Sustainability is affecting us all in a variety of ways within our everyday lives, this stem project looks at the effect that the decisions we make have on the local and global environment. This set of lessons is designed to raise awareness through a structured project that involves research, practical, presentation and some structured teaching
Description	<ul style="list-style-type: none"><i>Sustainability is affecting us all in a variety of ways within our everyday lives, this stem project looks at the effect that the decisions we make have on the local and global environment. This set of lessons is designed to raise awareness through a structured project that involves research, practical, presentation and some structured teaching</i> <p><i>“Sustainable development will not just be a subject in the classroom: it will be in its bricks and mortar and the way the school uses and even generates its own power. Our students won't just be told about sustainable development, they will see and work within it: a living, learning, place in which to explore what a sustainable lifestyle means.” Prime Minister, September 2004</i></p>
Cross-Curricular links:	Science, geography, PHSE
Keystage	KS3 and KS4 so possible as a transition project
Breakdown of hours ¹	<ol style="list-style-type: none">1. what is sustainability, calculation of carbon footprints for various locations and buildings,2. recycling and landfill3. reducing consumption of resources (water, gas, electricity, oil etc)4. food production and its environmental impact5. local and global environmental impact6. completion of projects with pupil presentations on sustainability and reducing our environmental impact
Links to other materials	Although some materials on sustainability are available most are not particularly user friendly or cover all the areas that need to be covered in the detail that is needed. There is also a larger agenda with cross curricula aspects and a real need for students to understand the impact the decisions they make have on the environment.

If you would like more information regarding this project, please contact Klaus Selke on 01482 372677 or klaus@heta.co.uk.

¹ Guideline only, can be varied within the total time
