

Green STEM Project: Eco Greenhouse Project

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| Type | Renewable Energy |
| Purpose | To provide teaching materials to introduce the concept of insulation through the design and making of a greenhouse using recycled materials. |
| Description | <p>Through the creation of a greenhouse project box participating schools will have the opportunity to explore the concept of heat insulation within an 'eco' context. An initial starter box will be available to inspire children. It will contain:</p> <ul style="list-style-type: none">• Initial lesson power point presentation investigating uses of insulation• Commercial greenhouse designs and layout plans• Insulation investigation ideas• Resources and design plans to create a mini greenhouse for classroom/ plan for large greenhouse for whole class use.• Growing and planting tips and ideas.• Ideas for class / whole school growing competitions. |
| Cross-Curricular links: | Science (QCA Unit 4C Keeping Warm), Education for Sustainable Development , Mathematics, Design Technology |
| Keystage | KS2 |
| Breakdown of hours ¹ | <ol style="list-style-type: none">1. Power point presentation investigating everyday uses of insulation2. Investigation commercial green house designs.3. Insulation investigation4. Designing and making greenhouses5. Evaluation of design6. Growing activities |

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
