

Trash to Treasure! (Key Stage 2)

Season: All	Duration: 1-1.5 hours												
<p>Overview: Find out how rubbish is re-used creatively around the world and put this into practice with your own rubbish: Juice cartons become funky wallets or (for year 5+6 children) plastic bags morph into footballs!</p>													
<ul style="list-style-type: none"> Learning Objectives: What happens to rubbish in the UK and how this compares to other countries. The problems associated with sending rubbish to landfill or incineration sites and to identify the advantages of re-using or recycling rubbish instead. To investigate how rubbish can be re-used creatively. 	<p>Key Vocabulary:</p> <table border="0"> <tr> <td>Waste</td> <td>Incineration</td> </tr> <tr> <td>Rubbish</td> <td>Bury</td> </tr> <tr> <td>Landfill</td> <td>Juice Carton</td> </tr> <tr> <td>Reduce</td> <td>Tetra Pak</td> </tr> <tr> <td>Reuse</td> <td>Pollution</td> </tr> <tr> <td>Recycle</td> <td>Environment</td> </tr> </table>	Waste	Incineration	Rubbish	Bury	Landfill	Juice Carton	Reduce	Tetra Pak	Reuse	Pollution	Recycle	Environment
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<p>National Curriculum Links:</p> <p>Geography: 3: Knowledge and understanding of places: e: to identify how and why places change and how they may change in the future. f: to describe and explain how and why places are similar to and different from other places in the same country and elsewhere in the world. 5: Knowledge and understanding of environmental change and sustainable development: a: Recognise how people can improve the environment or damage it and how decisions about places and environments affect the future quality of people's lives; b: Recognise how and why people may seek to manage environments sustainably, and to identify opportunities for their own involvement.</p> <p>Citizenship: 2: Preparing to play an active role as citizens: a: To research, discuss and debate topical issues, problems and events; j: That resources can be allocated in different ways and that these economic choices affect individuals, communities and the sustainability of the environment. 4: Developing good relationships and respecting the differences between people: b: to think about the lives of people living in other places and times, and people with different values and customs.</p> <p>Design and Technology: 2: Working with tools, equipment, materials and components to make quality products.</p>													
<p>Resources to be provided by school: Interactive whiteboard or projector and screen, rulers, pencils, scissors; stapler.</p> <p>Materials Children should bring from home: Wallets: a clean 1 litre juice carton per child. Footballs: old plastic carrier bags (2 or 3 per child), newspaper (1 per child)</p>													
<p>Outline of Activities with approximate timings: Please note: We can tailor activities to suit the abilities of you class and time available.</p> <p>Starter activity: What's it made of? game (15 minutes) Split class into small groups, giving each group a couple of products made from rubbish from around the world. Groups investigate what each product is made from, how they are made and discuss where they think they have come from. Groups feedback to class.</p>													

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Outline of Activities with approximate timings (continued):

Global waste discussion (10 minutes)

Following on from the what's it made of game, lead into a discussion about what happens to rubbish in the UK: Where does our rubbish go? Are there any problems with this? What could we do instead? Introduce the 3 Rs (reduce, reuse and recycle) and discuss the advantages of them compared to land-filling/ incinerating rubbish.

What happens to rubbish in other countries? Do people have the same attitude towards rubbish as we do? For many people around the world re-using and recycling rubbish is a necessity.

Doy bags or plastic bag foot ball case study (5 minutes)

Using objects and images introduce one of two specific case studies where people re-use rubbish creatively: **Either** the Doy Bags women's co-operative in the Philippines **or** Children making plastic bag footballs in many African countries. Discuss: What are the objects made from? What techniques have people used to make them? Why have people used rubbish in this way? How has it benefitted their lives/the environment?

Make a juice carton wallet or plastic bag football (30 minutes approx)

Explain and demonstrate in clear easy steps how to make either a juice carton wallet or a plastic bag football (year 5+6). Children make their products, with teachers providing assistance as needed e.g. cutting, folding and stapling wallets, tying plastic bags and string for footballs.

Plenary: Children display their hand-made products to the class and think about: What have we learnt from people around the world today? Which of the 3 Rs have we done with our rubbish? If we hadn't made something with our cartons or bags what else could we have done with them?

Eco- Schools Links:

Curriculum-linked activities and/or practical action linked to waste and global perspectives could be used as evidence towards an Eco Schools Award. For more information visit:

<http://www.keepbritaintidy.org/ecoschools/>

Suggested follow-up activities:

- More ideas for crafts using old juice cartons plastic bags and other waste materials:
<http://www.wikihow.com/Make-a-Basket-from-an-Old-Orange-Juice-Carton>
<http://familyfun.go.com/crafts/snack-bag-chain-bracelet-673305/>
<http://www.thriftyfun.com/tf517076.tip.html>
<http://familyfun.go.com/crafts/crafts-by-material/recyclable-projects/>
- A variety of global citizenship resources for teachers have been developed by Oxfam and Action Aid: <http://www.oxfam.org.uk/education/>
http://www.actionaid.org.uk/index.asp?page_id=100006
- The story 'Galimoto' by Karen Lynn Williams is a great starting point for discussions on a variety of themes. A teachers guide for using the book as a basis for classroom activities is here : http://www.karenlynnwilliams.com/files/galimoto_guide.pdf
- Get global perspectives into your school by linking up with a school from another part of the world. The British Council 's database has more than 40,000 schools and colleges from all over the world who are interested in starting a school partnership:
<http://schoolsonline.britishcouncil.org/partnerfinding>.
- Set up a school recycling project: help the environment and raise money for a chosen charity:
Textiles recycling schemes: <http://www.rag-bag.co.uk/index.html> or
<http://www.bag2school.com/u/k/home/>
Other recycling schemes: <http://www.reciproc8.co.uk/go/schoolclubs/schools/> or
<http://www.recycle4charity.co.uk> or <http://www.recycleaid.co.uk>