

Waste Free Lunch Game

Season: All	Duration: 1 hr												
<p>Overview: Take on the Waste Free Lunch Challenge! Which team will be first to empty their lunchbox by reducing, re-using, or recycling their rubbish? Our giant floor game is a fun way to embed the 3 R's message and can help reduce school lunch time waste.</p>													
<p>Learning Objectives:</p> <ul style="list-style-type: none"> • Understand what happens to rubbish that is thrown away • Identify the environmental impacts of landfill sites • Gain a better understanding of the 3 R's especially 'Reduce' • Learn how to apply the 3 R's to their own lunchbox waste. 	<p>Key Vocabulary:</p> <table> <tr> <td>Reduce</td> <td>Rubbish</td> </tr> <tr> <td>Reuse</td> <td>Recycling box</td> </tr> <tr> <td>Recycle</td> <td>Recycling centre</td> </tr> <tr> <td>Waste</td> <td>Compost bin</td> </tr> <tr> <td>Landfill</td> <td></td> </tr> <tr> <td>Packaging</td> <td></td> </tr> </table>	Reduce	Rubbish	Reuse	Recycling box	Recycle	Recycling centre	Waste	Compost bin	Landfill		Packaging	
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<p>National Curriculum Links:</p> <p>Science: Sc3 Materials and their properties: 1b: sort objects into groups on the basis of simple material properties; 1c: recognise and name common types of material [for example, metal, plastic, wood, paper, rock] and recognise that some of them are found naturally;</p> <p>Geography: 5a/b: Knowledge and understanding of environmental change and sustainable development</p> <p>Citizenship: Preparing to play an active role as citizens: 2a: To research, discuss and debate topical issues, problems and events; 2g: what improves and harms their local natural and built environments and about some of the ways people look after them.</p> <p>Design and Technology: Evaluating processes and products: 3c: Recognise that the quality of a product depends on how well it is made and how well it meets its intended purpose; Knowledge and understanding of materials and components: 4a: about the working characteristics of materials.</p>													

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Resources to be provided by school:

Large floor space e.g. school hall (game is approx 3m x 2.5 m)
Interactive whiteboard, or projector and screen

Materials to be brought by children: None

Outline of Activities with approximate timings:

Introduction (20 min):

Find out what happens to our waste and the environmental problems associated with landfill. Put this into context of rubbish made at school during lunchtime. Discuss more sustainable alternatives to landfilling rubbish (reduce, re-use, recycle) and how we can apply this to lunchtime waste.

The Game (40 mins)

Split class into teams of 5 or 6 and give each team a lunchbox. The object of the game is for each team to empty their lunchbox by reducing, re-using or recycling all of their rubbish as they work their way around the floor game. 1 person from each team will be the 'counter' who stands on the floor game while the rest of their team sit around the edge of the mat. The counter person will make their way around the floor game according to the roll of the dice. The rest of the team are in charge of the lunch box and take it in turns to roll the dice for their team. The floor game is divided into a number of monopoly-style squares, painted with either 'reduce', 'reuse', 'recycle', 'supermarket' or '?'. The team have to do different things depending on which square their counter person lands on: A 'reduce' square means finding something in their lunchbox that cannot be reused or recycled and stating a more waste-free alternative that could be used next time e.g. re-useable flask instead of a drinks pouch etc. For 're-use' squares they have to find something that could be used again and state how they would do this, e.g. yoghurt pot flower pot. For a 'recycle' square they have to check if it is a recycle box, compost bin or recycling centre square and find an appropriate item to be recycled in this way. If they land on a 'supermarket' square they are given an extra piece of rubbish from the shopping bag and have to decide whether to reduce, reuse or recycle it. If they choose correctly it stays on the 'board', if they chose incorrectly they have to put the rubbish in their box and dispose of it during the normal course of the game.

A '?' square is a quiz square. If the team answer their quiz question correctly they get to choose a piece of rubbish to reduce, reuse or recycle. If they answer incorrectly they do not get to remove any rubbish from their box and the game moves straight on to the next team.

The winning team is the first team to reduce, reuse and recycle all of the rubbish in their lunchbox (for fairness, ensure that all teams have had the same number of dice-rolls).

Possible extension activity: Rubbish sorting challenge (after lunch):

Children predict which types of rubbish will make up the leftovers from their lunches and state whether these materials can be reused, recycled or go to landfill. They then investigate the rubbish in their own lunchboxes and sort it into the appropriate 'reuse', 'recycle' or 'landfill' (reduce) bag. We then compare the results with their predictions.

For a longer session each team could also draw examples of a wasteful and waste-free lunch to reinforce what they have learnt.

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Eco– Schools Links:

Curriculum-linked activities and practical action on waste and recycling in school could be used as evidence towards an Eco Schools Award. For more information visit:

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

Suggested follow-up activities:

- Organise a whole school waste free lunch competition
- Get your class to run an awareness campaign to reduce lunch-time waste
- Conduct a lunch-time waste audit

Details of all activities can be found at: http://www.recyclenow.com/schools/recycle_at_school_guide/activity_lesson_plans/index.html

Useful websites:

- <http://www.somersetwaste.gov.uk> : Local waste and recycling information, top tips and facts
- <http://www.recyclenow.com/schools/index.html>: Lots of general recycling information, plus top tips and resources for schools.
- <http://www.wastebuster.co.uk/> : Join Busta and Pong on their waste busting mission! This interactive website is full of fun children's activities, plus ideas and resources for teachers.
- http://www.reduceuserecycle.co.uk/greendirectory/kids_green_sites.php : directory of fun, environmental- themed websites for children.