

The Waste Free Lunch Game (KS2)

Somerset Waste Action Programme

Please Note: The specific format of a waste-free lunch game workshop may vary depending on your School's specific circumstances and the Waste Action Officer attending. When you book your workshop we will discuss your needs with you.

Duration: 1 hour

National Curriculum Links:

Science- Sc3 Materials and their properties
 Geography- Knowledge and understanding of environmental change and sustainable development: 5a + b
 English- En1 Speaking and listening
 Citizenship- Preparing to play an active role as citizens 2 g
 Design and Technology

Links to DCSF/ QCA Schemes of work:

Science –3C Characteristics of materials
 Geography- Unit 8 Improving the Environment
 Literacy Strands: Speaking, Listening and Responding

Objectives of workshop:

- To understand what happens to rubbish that is thrown away.
- To identify the environmental impacts of landfill sites.
- To gain a better understanding of the three R's especially 'Reduce'.
- To learn how to apply the 3 R's to their own lunchbox waste.

Common Difficulties, errors and misconceptions:

- That all refuse gets recycled
- Confusion over what can and can't be recycled and where to put/take different types of rubbish to be recycled e.g. Recycling boxes, compost bins and Household waste recycling centres.

Assessment Criteria:

What have we learnt about today? How could you make your lunch waste-free?

Vocabulary:

Reduce, re-use, recycle, waste, landfill, packaging, rubbish, recycling box, household waste recycling centre, compost bin.

Resources to be provided by school:

Large area e.g. school hall (floor game is approx 3m x 2.5 m)

Resources to be provided by SWAP:

PowerPoint presentation, floor game, up to 6 lunchboxes complete with 5 items of typical lunchbox rubbish each, quiz question cards, large dice, 'supermarket' bag of clean rubbish.

Strategies:

Introduction:

Use a short power-point presentation to introduce the topic of waste and what happens to things that we throw away. Put into context of rubbish made at school during lunchtime. Discuss more sustainable alternatives to land-filling rubbish (reduce, reuse, recycle) and how we can apply this to lunchtime waste.

Development:

Play the Waste Free Lunch game:

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',

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'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.

Plenary:

Ask them to name items that would make up a waste-free lunch. Do they think that their own lunchboxes are waste-free today? Can they think of one thing that they could change to make their own lunch more waste-free?