

Waste Pizza

This lesson covers what waste is thrown in the refuse bin and what happens to it once it has been put in that bin (landfill). It then discusses alternatives to landfill- reduce, reuse, recycle and composting. The activity is creating a 'waste pizza' with each slice representing what is currently going in refuse bins (%).

Objectives

- To learn what is thrown away, where it goes, and what can be done to reduce it.

Lesson Outline

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| Class discussion: | Discuss what happens to rubbish when it goes in the bin. Why is this a problem? |
| | Some of our waste is reused or recycled, but in Gloucestershire most of it (just under half) is buried in landfill. |
| | Explain the 3Rs and composting and the importance of these in diverting waste from landfill. |
| | Explain that different materials are found in differing amounts in our bins. Show pre-made 'pizza' to illustrate. Ask children to name materials sent to landfill and guess which piece of the pizza is representing each. |
| Children to decorate the waste pizza: | Children to decorate the class 'waste pizza' to illustrate the types of materials we throw away. Distribute card pizza segments – 1 for each group along with scraps of materials, glue, scissors* etc. If time allows, make a pizza crust with twisted newspaper. You can always have the children make one each if this would work best for your class. |
| | When each group has completed their pizza slice gather the children together to form the completed pizza. Discuss the materials we have displayed – do they all need to be put in the bin? What will happen to them in landfill? Which materials can be recycled locally? Can any be reused? Sort each category in to what we should be doing with it (example: Food waste in food waste bin or compost bin). This can also be done using things in your class bin (ensure it is safe and clean first). |

The finished pizza could be displayed with facts about the waste we throw away and information about reducing, reusing, recycling and composting.

Extension activity:

You could perform a waste audit of your classroom or school and see how this compares to the average.

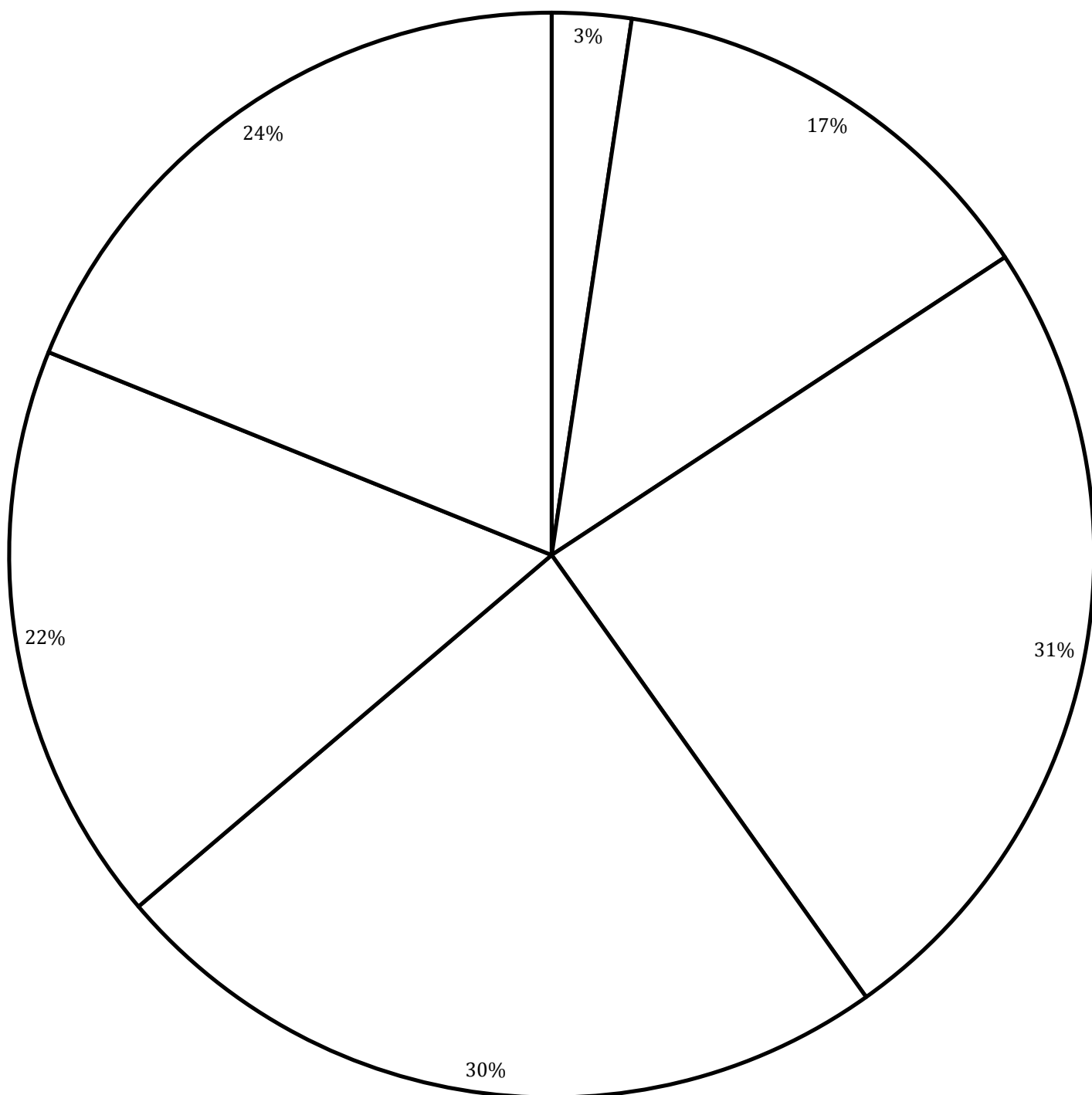
Resources you will need:

- Photo of landfill.*
- Reduce, Reuse, Recycle and compost labels.*
- Completed waste pizza for demonstration. (Waste pizza slices representing the following percentages; glass 3%, paper 17%, kitchen/garden waste 31%, metal 3%, plastic 22%, other 24%.)
- Materials for sticking on – paper, card, small plastic objects (buttons, lids etc), foil, food waste (dried orange peel, pasta, pulses, garden waste – leaves, small twigs etc). Other (include fabric, objects made of a mixture of materials)
- Scissors and PVA glue.
- Newspaper.
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*Photos/pictures attached below for printing.



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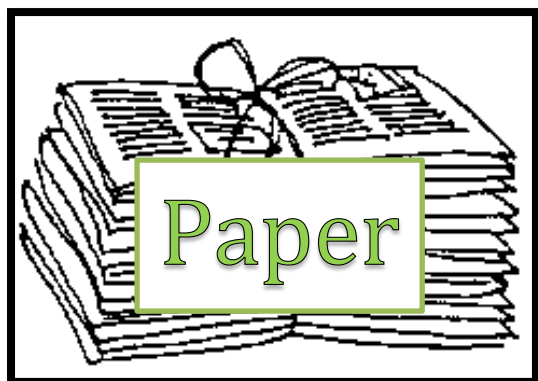


Reduce

Reuse

Recycle

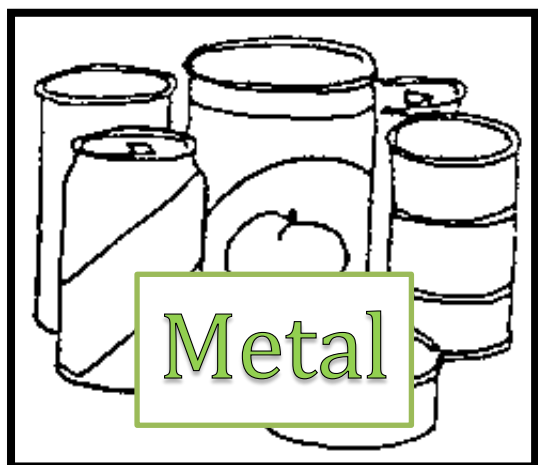
Compost



Paper



Glass



Metal



Plastics



Food