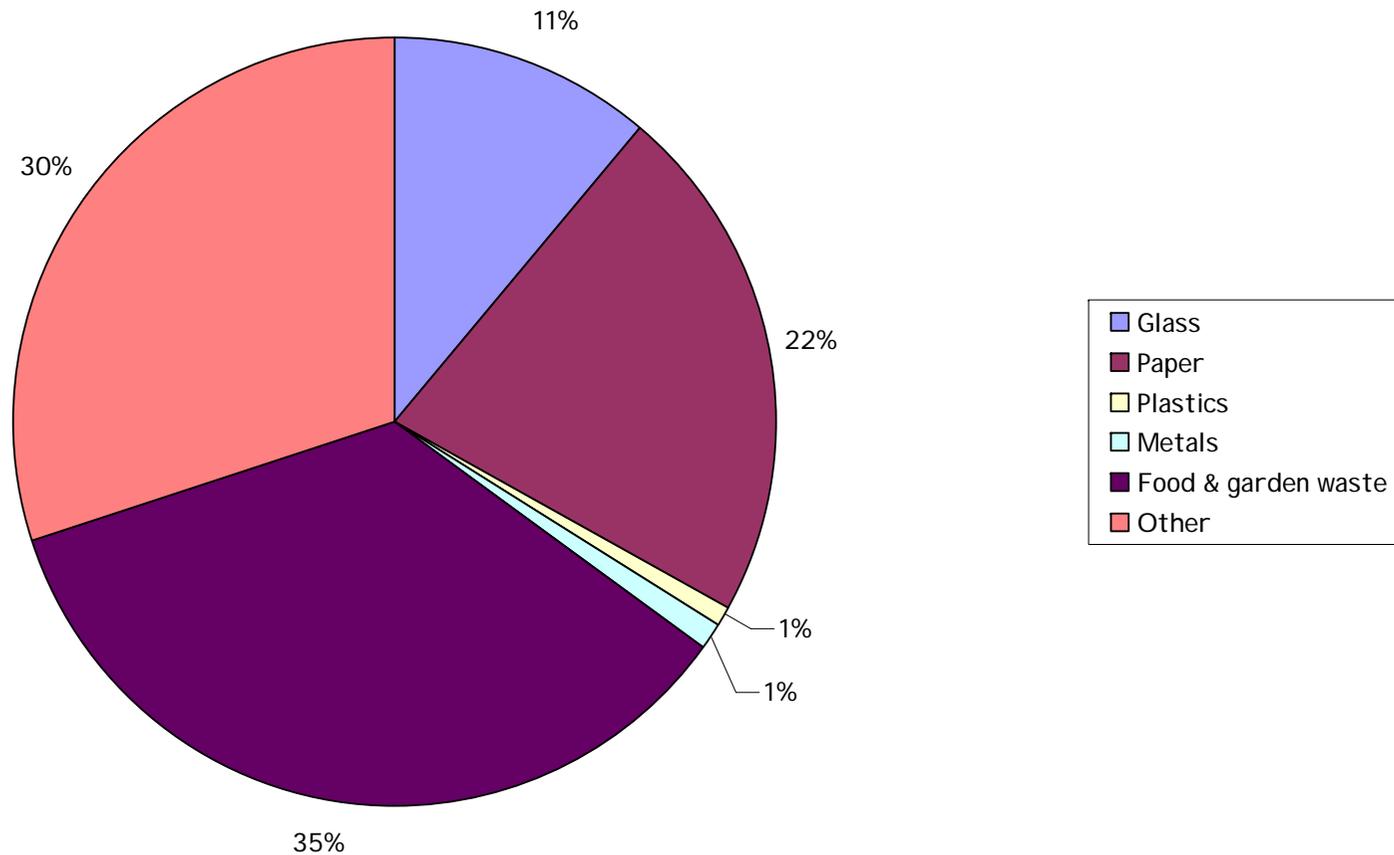


### What we recycle (by percentage)



## Chart based on figures for 2005/6

*I saw some recycling figures in the Daily Telegraph a few weeks back and turned them into this whole group starter activity. My groups are 'roll on, move on' groups with learners joining at any time and working to an individual plan based on their needs. This means that I don't do much whole class teaching, so I always try to start each session with a whole group activity and discussion (thus embedding literacy and language) before learners move on to their individual work.*

- In 2005/6, households in England produced 25.5 million tonnes of waste – write this number in full. (25,500,000)
- This is 505 kg per person per year.
- 63 per cent end up in landfill sites. What is 63 per cent of 505 kg? (318.15 kg)
- Round this to the nearest 10 kgs. (320 kg)
- Ask for learners' opinions – of the rubbish that we do recycle, what do we recycle the most of? And the least of?
- Display the chart – explain that pie charts are used to show the proportions of the whole.
- Discuss recycling figures – were the learners right? Are they surprised by any of the percentages?
- What angle is used to represent "plastic"? ( $1\% = 1 \times 360^\circ \div 100 = 3.6^\circ$ ) (Level 2 learners).
- What angles are used to represent the other categories? ("glass"  $39.6^\circ$ ; "paper"  $79.2^\circ$ ; "metals"  $3.6^\circ$ ; "food and garden waste"  $126^\circ$ ; "other"  $108^\circ$ ).
- Check that all the angles total 360 degrees (Level 1 and 2 learners).