

**Worksheet 2.7.6 Considering the importance of recycling**

**1 Recycling and its benefits**



Work independently to complete this task.

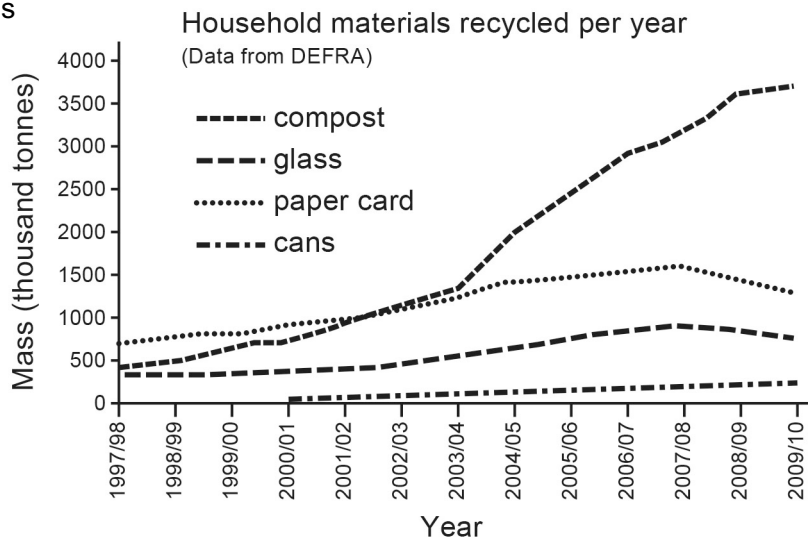
Design a poster to educate younger students about recycling. On your poster you should include:

- a) descriptions of different types of materials that can be recycled
- b) descriptions of the benefits of recycling.

**2 Looking more closely at recycling**



a) Work with a partner to complete this task. Look at the graph shown.



i) When were cans first recycled?

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ii) What is the household material that is recycled most by weight? How much of this material was recycled in 2009–10?

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iii) Why do you think so little glass is recycled?

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iv) Suggest why the data shows no recycling of plastic.

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b) On your own, research one of the following recycling processes: paper, glass, aluminium or plastic.

What are the advantages and disadvantages of recycling compared with using natural resources to make these products from new?

Think about whether:

- fuels are used
- electricity is used
- carbon dioxide is produced
- waste is produced.

Make notes on the next page. Be prepared to teach others about what you have found out.

## Worksheet 2.7.6 Considering the importance of recycling

Advantages of recycling: .....

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Disadvantages of recycling: .....

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### 3 How efficient is recycling?



You will complete this task independently but may ask questions and discuss issues with your group. Use the Student Book and your research on paper, glass, aluminium or plastic recycling to help you complete this task.

a) Compare the efficiency of different recycling schemes.

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b) Justify why a substance with a low efficiency should still be recycled.

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