

EXAMINATION PREPARATION

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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PRODUCT ANALYSIS - EXERCISE 1

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Look at the recycling bin opposite. The container has been manufactured from low density polyethylene and also the bins.

It has a foot pedal and mechanism that operates the lid. The container and bins are relatively large and would be used in a commercial kitchen rather than for domestic use.

You are to carry out a product analysis of the recycling bin. Write a sentence or more alongside the prompts.

1. Materials: _____

2. Estimated height, width and depth: _____

3. Strength and resistance to knocks: _____

4. Specific properties of high density polystyrene/polyethylene: _____

5. Stability / balance: _____

6. Safety: _____

7. Manufacturing processes: _____

8. Overall style / design: _____

9. Efficiency of pedal mechanism: _____

10. Strength: _____

11. Estimated cost in the shops: _____

12. _____

13. _____

DESIGN / PRODUCT IMPROVEMENTS

Now that you have carried out your own product analysis, describe a few design improvements.
