

# EXAMINATION PREPARATION

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

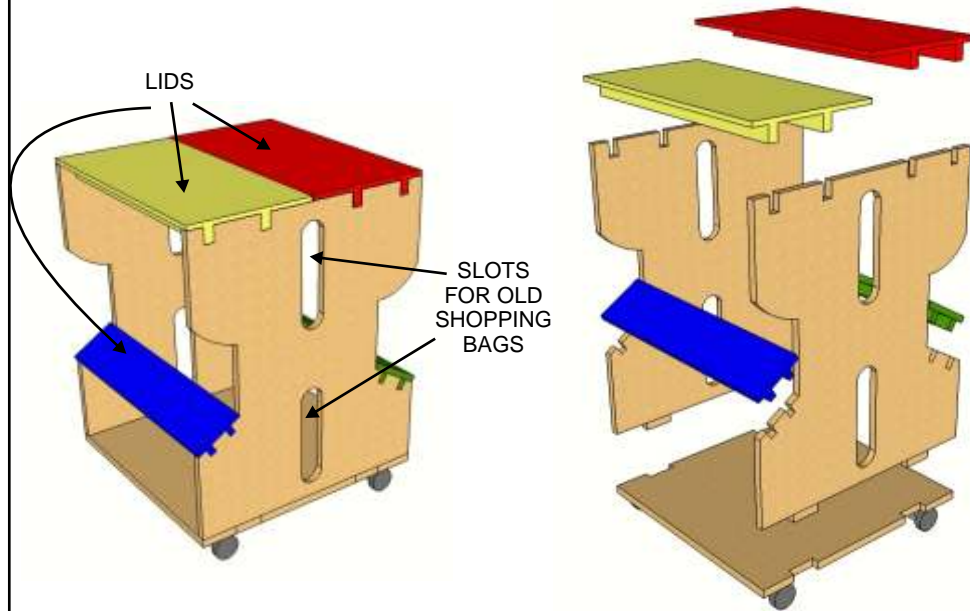
# W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website ([www.technologystudent.com](http://www.technologystudent.com)) before attempting the design sheet .

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The product shown to the left is an unusual recycling bin. Plastic bags hand inside, under the coloured lids. Recyclable material can be placed in the bags and collected for recycling.

1. Name a suitable material for the sides of the bin:

\_\_\_\_\_

2. CAD could be used to design the sides. What is CAD?

\_\_\_\_\_

3. CAM could be used to manufacture the sides. What is CAM?

\_\_\_\_\_

4. Describe four properties the material possesses and why each property is important for the product.

PROPERTY 1: \_\_\_\_\_

PROPERTY 2: \_\_\_\_\_

WHY IMPORTANT : \_\_\_\_\_

WHY IMPORTANT : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PROPERTY 3: \_\_\_\_\_

PROPERTY 4: \_\_\_\_\_

WHY IMPORTANT : \_\_\_\_\_

WHY IMPORTANT : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Describe four advantages of using CAD and CAM compared to manufacturing by hand?

\_\_\_\_\_

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\_\_\_\_\_

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