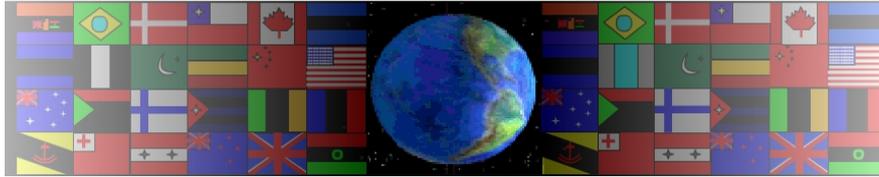


REVISION CARDS - PACKAGING

V.Ryan © 2000 - 2013

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) before attempting the design sheet .

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REVISION CARDS - PACKAGING

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1. Describe four functions of everyday packaging.

- A. _____

- B. _____

- C. _____

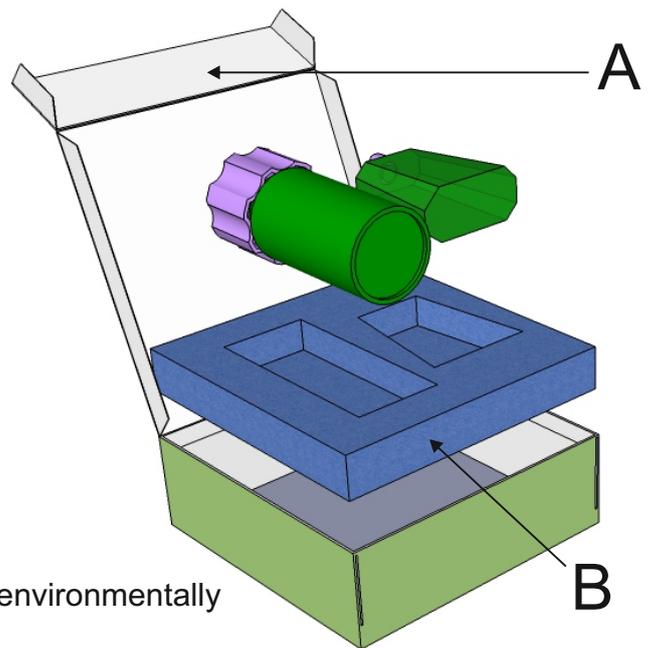
- D. _____

- E. _____

2. Study the packaging shown opposite. Name materials suitable for parts A and B.

- A: _____

- B: _____



3. What is paperboard and why is it regarded as environmentally friendly?

- _____
- _____
- _____

4. Corrugated card has a range of uses due to it's structure. Describe the structure of corrugated card, using notes and a sketch.

- _____
- _____
- _____

FUNCTIONS OF PACKAGING

To protect a product from damage or contamination. Protection during Transport and Ease of Transport.

To keep the product together, to contain it (i.e. So that it does not spill).

To identify the product. Name and product clearly identified.

Stacking and Storage. Designed to stack efficiently and easily. No space wasted between each package.

Printed Information. Product name, ingredients, contents, price, bar code etc...

MATERIALS PACKAGING

Materials for typical 'card' packaging:

Box - quality card - 1000 microns (1mm), 920gsm.

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Clear window - Polypropylene, to enable viewing of the products.

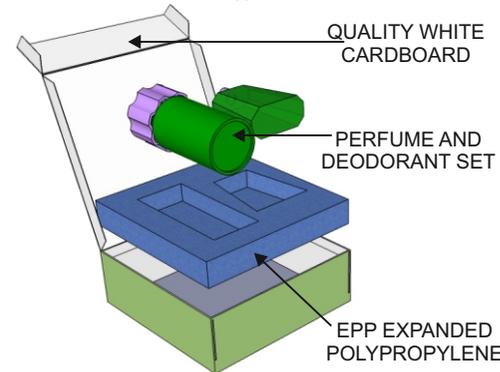
Plastic insert - high impact polystyrene (HIPS), to hold the contents securely in position.



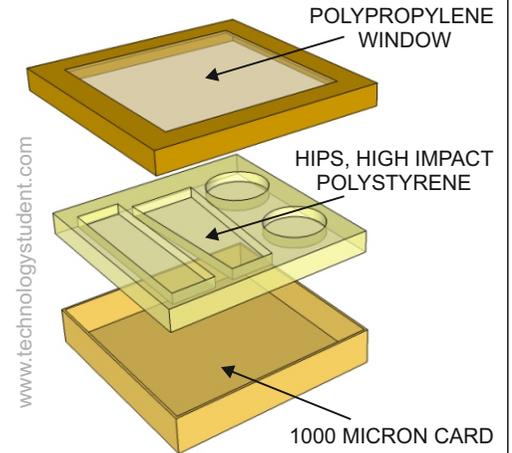
ALTERNATIVE MATERIALS PACKAGING

Expanded Polypropylene is a quality protective insert for packaging.

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MORE PACKAGING MATERIALS

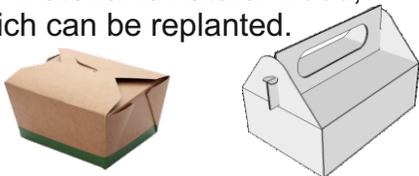


PAPERBOARD

Paperboard, also called cardboard. Similar to paper but much thicker. Often used for packaging, book covers, cards, CD and DVD covers, because it can be cut and shaped easily. Easy to recycle.

Takes ink and print easily, through processes such as lithography.

Paperboard is sustainable as the raw material is natural wood, which can be replanted.



CORRUGATED BOARD

This type of board is often used for packaging large electrical items. These large boxes (often brown in colour) protect the contents from damage. Corrugated board is strong because it is composed of a top and bottom layer and in between there is a triangulated section. A triangular section is very strong compared to its weight.

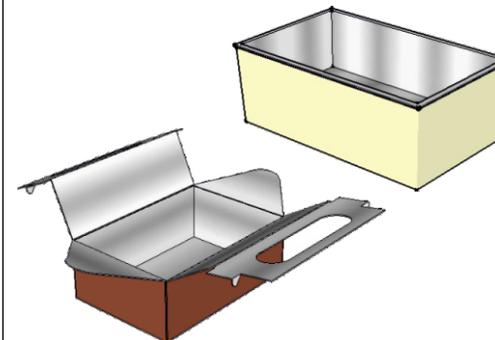
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FOIL LINED BOARD

Good quality cardboard with a aluminium foil lining. This type of container is ideal for ready made meals or take away meals. The foil retains the heat and helps keep the food warm.

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DUPLEX BOARD

This is used for containers and can contain liquids as it may have a water-proof liner on the inside. It can have a wax feel. This type of card is used by the food industry and consequently recycled card is not used in its manufacture. Prints well, especially on a high gloss surface.

