

Packaging and Other- example sheets.

gcse example material.

Samples from random projects.

Zoom in to read the annotations
Please do not copy, you will be disqualified
from the course if you do!

Use these examples to help and inspire you.



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If a company asked to produce 20,000 versions of my
toy box then I would use injection molding because it would just be to slow and the whole process
would take to long.

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So to mass produce my design to a number of 20,000
I would need to use the process of injection molding.

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Injection molding is used in industry. The reason for us choosing injection
molding is not only because it is fast and efficient but it also is clean, it has a good appearance (aesthetics),

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the end product is of a high quality. The main reason for using injection
molding is that it is fast and efficient, it has a good appearance (aesthetics),

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Materials which can be used for injection molding are
Polythene, Polystyrene, Polypropylene and Nylon. Due to the fact
that I am producing a toy box I think that the most suitable
material to use would be polystyrene because it is durable,
waterproof, if dropped by accident onto a hard surface it will
not crack or break and it is strong, capable of holding a large quantity of
money.

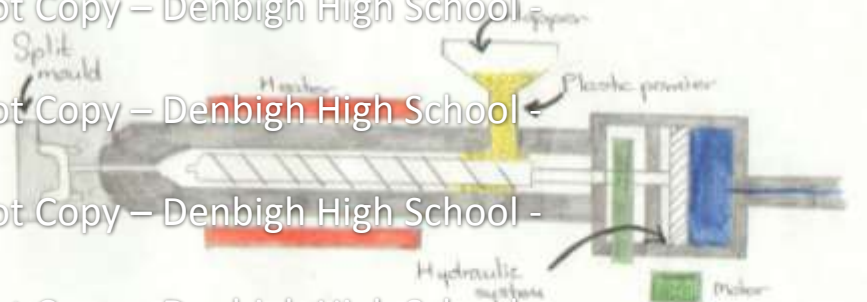
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The Process of Injection Molding

- 1st stage: Plastic powder or granules are fed from the hopper into a hollow steel barrel.
- 2nd stage: As the barrel rotates the plastic as the screw moves it along towards the mold.
- 3rd stage: Once sufficient melted plastic has accumulated, the hydraulic system forces the plastic into the mold.
- 4th stage: Pressure is maintained on the mold, until it has solidified.
- 5th stage: Finished product.



needs to be pushed together 17b

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PAPER

Paper is a web-like material made from very fine vegetable fibres extracted from wood. Both coniferous and deciduous trees can be used to provide the raw material which is known as wood pulp. The method of making it has remained essentially the same since the first paper was made. Wood is broken up in water and chemicals to create a mushy wood pulp. This is then poured over a fine mesh. As the water drains away the cellulose fibres which are less than 1mm in length, naturally link together. The fibres are then pressed between a set of rollers in the paper machine to remove the remaining excess water and the web of fibres becomes stronger.

BOARD

The term for a whole range of paper-based materials such as cardboard, carton board, mounting board. Board is thicker, heavier and more rigid than paper and is made from several layers of pulp. Very thick board is made by sticking layers of paper together in a process known as laminating.

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AESTHETICS

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Aesthetics is the branch of philosophy that deals with the principles of art and beauty.

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'Aesthetics' are generally some agreed upon topics about what makes effective communication in a given medium. Establishing an aesthetic sensibility requires that you know how to like and dislikes to evaluate a work within the medium in which it is presented.

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All of these images that I have collected are a personal interpretation of what I think is beautiful and artistic. I like things that are really eye-catching. There are some models included in this collection and I love models and think that those images are beautiful. Some of the images are from the internet.

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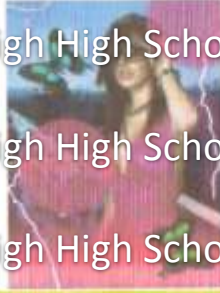
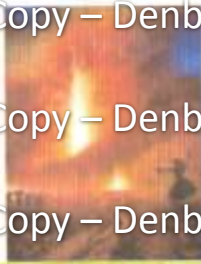
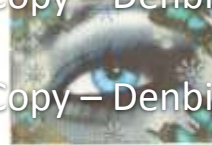
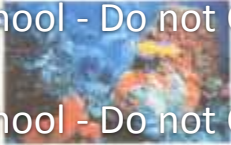
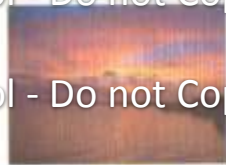
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CONTINUOUS

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Financial Savings

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money saved from making products means that products can be sold cheaper

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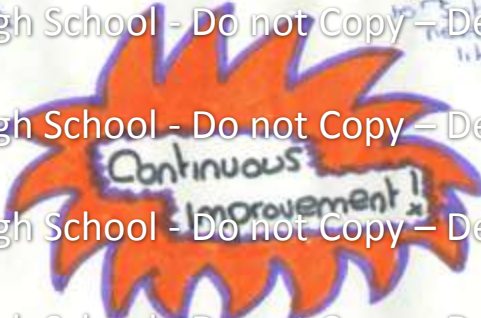
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Improved Durability

The product becomes longer than what it did before

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IMPROVEMENT

Environmental Impact

what impact will this product have on the environment? This has to be taken into consideration and if the manufacturer will cause pollution.

Styling Changes

change the style of something to suit someone's liking

Legislation/Regulation

provide guidance for designers making their product.

Consumer Feedback

putting questions on the packaging to see what the customers think.

Maintenance Issues

how many people are going to buy the products and see what price the biggest issues are at.

New Technologies

is the latest existing product which you designed to be better and more economic