



St. Antony's Catholic College

Aspire - Believe - Achieve

Year 8 Resistant Materials

Instructions for the week beginning Monday 22nd June 2020

Do

Product Analysis is a very important role for any designer. Designers need to analyse existing products to help them to design one that is better than all other competitors' products on the market.

I would like you to analyse a product of your choice this week. This can be a product that you can find in your house, or one that you find one online. It must be made out of at least 2 different materials (eg, wood and metal, fabric and plastic, leather and wood)

To analyse a product fully you need to talk about its aesthetics, the cost, its customer, the environmental impact of it, its size, its safety, its function and its material. To support you with this I have provided a list of questions for you to answer for each section on the page below. Please write in full sentences with as much detail as possible.

Challenge (Z3&4)

In addition to the task above, I would like you to sketch a new and improved version of the product that you have analysed. Make sure that you label the materials and features of it so that I can fully understand your design.

Submission

Please email your work to me at L.adderley@st-antonys.com

I look forward to seeing your fantastic work as always!

PRODUCT ANALYSIS TASK PROMPTS

AESTHETICS

Describe how the product looks (colour, texture, pattern, shape)
Include both your positive and negative thoughts.

COST

How much did the product cost? Research this online.

Is the product value for money or do you think it is too expensive? Explain your reasoning. Ask family members for their opinion too!

CUSTOMER

Who is this product designed for? (age group/gender/hobbies/job etc)

How and where would it be used?

Does it improve the customers life? How?

ENVIRONMENT

Where was the product made?

How far does it have to travel to get to the UK?

How does it get to the UK (air, boat, train, truck)

Is it made from non-renewable sources?

How long should it last before it breaks?

Can it be repaired if it breaks?

Can it be recycled?

SAFETY

Is the product safe to use?

Does the user need instructions to use the product safely?

What injuries could the user suffer if they use the product incorrectly?

How could the product be made safer?

SIZE

Is the size of the produce appropriate for its use and function?

If you made the product bigger or smaller, would it make it work better or easier to use? You could add some sketches to illustrate your answer.

FUNCTION

What does the product do? What is the point of it?

How does it work?

How easy is it to use?

Does the user need skill to make it work?

Does the user need instructions to follow?

MATERIALS

What materials have been used to make the product? (some products will have a label on them, especially textile products).

In your opinion, would another material work better? If so which material and why?