

Product Analysis – Extended Homework

Your Tasks

Task 1

Pick two similar products for example, a wood and a metal chair, two different mobile phones, two clothing items, two lamps, two bikes. Sketch one product from different angles and complete a product analysis. Annotate your drawings to show your understanding of the product.

Task 2

Sketch the second product from different angles and complete a product analysis. Annotate your drawings to show your understanding of the product.

Task 3

Compare the two products. Which is better? Why?

Use this prompt sheet to help you complete a successful product analysis.

Try to use subject specific vocabulary and key words.

What is a product analysis?

Product analysis means studying how well a product does its job and how it was made.

When you are analysing the design of a product you need to ask these questions:

- What is the **function** and **purpose** of the product?
- What are the different parts of the product and how do they work together?
- How does the product use shape, form, colour, texture and decoration?
- What **materials** are used to make the product?
- Who would buy this product?
- How well does the product do its job compared with other similar products?

Tips for successful product analysis:

- Make sure you understand what the product actually does and how it works.
- Learn carefully how products are made in industry - especially look at what materials are used and how they are **cut, shaped, formed, joined** and **finished**. Apply this knowledge to the product you are analysing.

Some sentence starters.

Explain what the purpose of the product is.

This product is used for..... This product helps you.....

Explain how the product is made. This product is made using.....

The materials used to make this product are....

Explain what works well and what doesn't.

This product is successful because.... This product could be improved by....

Explain who would buy and use this product. The target market for this product is.....

(Young/old) people would use this product because....

Compare the two products.

Product A is more successful at..... because....

If you changed in product B it would be as good as product A

Key Words

D&T terms

Form
Function
Target market
Safety
Ergonomics
Aesthetics

Materials

Plastic
Wood Metal
Fabric
Man-made
Natural

Form

Bright colours
Muted colours
Curved
Angular
Smooth
Rough