DESIGN + MANUFACTURE

Understanding **Design Factors** is important for any designer.

You will need to understand **Design Factors** for your exam.

HEY, GOOD LOOKING!

Aesthetics are an important consideration in the design of many products.

1. State the name of 5 terms used when describing the aesthetics of a product?

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   •

The design of certain products may not require the designer to consider aesthetics.

2. Explain the reason for aesthetics not being important for certain products.
   You should identify a product as a suitable example.

DESIGNING ME...

On an A3 page, present an in-depth analysis of this problem...

During the design of a tablet computer, research was carried out in to the following :

• Finger size
• Screen size
• Portability
• Weight
• Battery life

Explain why each of these is important in the design of a tablet computer.

Do you know the lead Designer for Apple's iPad?

No? Do some research and find out...

THINKING OUTSIDE THE BOX

The **function** of a product is critical in making many design decisions.

Select an every day product in which you are familiar with.

1. i State the primary function of your chosen product.

   ii Describe a minimum of **two** issues which would affect the design of your product in terms of its function.

Some products could become more **useful** if there were **additional functions** they could perform.

2. Describe how your chosen product could be altered to allow it to perform another function.
   You should include sketches within your answer.

Modern toothbrushes have been extensively designed to improve their **function** and usefulness for the **user**.

3. Discuss additional functions included in some toothbrushes.
   You should consider any research that may have been considered by the designer when adding these functions.

Products can often have **alternate functions** outside of their initial design.

4. Describe alternative functions for a standard household toothbrush.
   Use the reverse of this sheet to describe your response.
   You should include sketches in your answer