

Design & Manufacture

Homework 2

The Designer Specification is a list of all the factors that must be right if the design is to be successful. The easiest way to compile the list is to consider **FEEDSCAMMP** - this word is called a mnemonic and is used to help remember all the design issues.

FUNCTION - What is it that the design must be able to do?

ENVIROMENT- Is the product to be used indoors or outdoors or both?

ERGONOMICS - means that the product has been designed to be easily used by people.

DURABILITY - Durability is concerned with the strength, construction and how long the product is designed to last

SAFETY- Is the design going to have special safety requirements?

COST- What is the maximum cost of both materials used and time taken, in completing the project that you can allow?

AESTHETICS - Is the appearance of the design important. Does it have to be appealing to certain members of society, e.g. children?

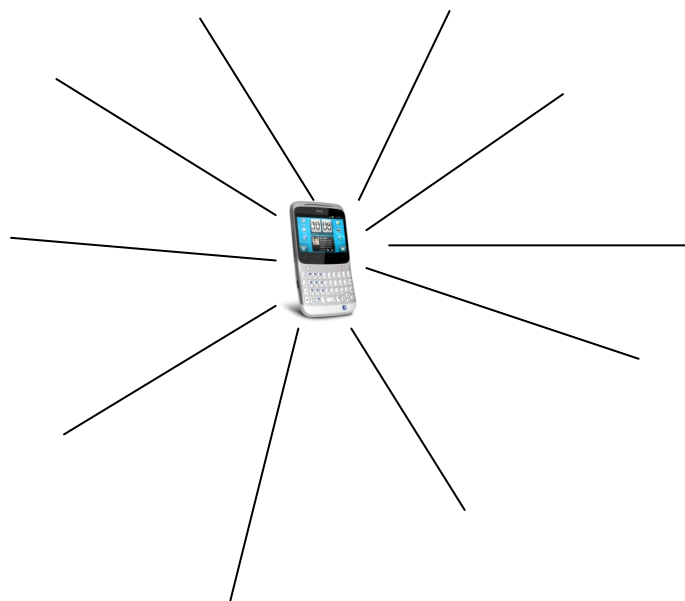
MATERIAL - You will have to research and consider the most suitable materials to manufacture the Product from.

MARKET— Who is the product designed for? - male/female, age etc...

PRODUCTION—How is the product made? What manufacturing processes are needed to make it?

Questions

Using FEEDSCAMMP Explore design factors for a mobile phone using a Mind Map.



Using FEEDSCAMMP work out a design specification for a mobile phone.

Critical	Non-Critical Specification
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