

5.1 Specification Criteria

The same criteria are used when you design a product (4.1)

Form – Why is the product shaped/styled as it is?

Function – What is the product's purpose?

User requirements – What makes the product attractive to potential users?

Performance requirements – What does the product need to do and how can this be achieved technically?

Material and component requirements – What materials and components are needed and how should they perform within the product?

Scale of production and cost – How does the design allow for the scale of production? What do you need to consider to determine cost?

Sustainability – How does the design take environmental considerations into account?

In the exam you will be asked to design a product that meets a given set of specifications. You will need to produce two design ideas that meet those requirements. The specification points will be taken from those points above, so you will need to know what they mean!