

Design Brief Information

This is your response to the challenge showing how to solve the problem. It will guide your investigation as you develop your *design specification*.

Topic

Start with a brief statement about your problem or issue and its impact for life, society, and/or the environment. (How does it directly affect them?) List sources and document in appropriate format.

List helpful questions that will help you do research.

Examples

- Why is it a problem?
- What are the major causes?
- What effect does it have on society?
- How many people are involved?
- What have previous solutions been?
- How did they work out?
- Are there economic costs?
- How does it affect the environment?
- How could I solve this problem?
- Who is my audience?

Product or Solution

Here you explain what your solution is and what you will make to help solve the problem. List the designs (3 or more) you will make to help solve the problem. Explain why you chose this solution over other possibilities.

Requirements for a successful product or solution

Design Specification – A detailed description of the conditions, requirements, and restrictions with which the design must comply. This is a precise and accurate list of facts such as conditions, dimensions, materials, process and methods that are important for the designer and the user. All appropriate solutions will need to comply with the design specification.

Examples

- It presents information clearly
- Needs to be easy to access
- Includes specific elements – Example: A website needs to include an interface, navigation, links, etc.

Adequate Tests to meet design requirements (above) What methods will you use to determine if it is successful? Who will determine success?

- Survey
- Gather information (feedback)
- Observe and document results