Year 10 Art and Design Term 5

Iterative design

Iterative design is the repeated process of:

- Prototyping a design
- Testing it
- Collecting feedback
- Evaluating the design
- Making improvements based on the results

The purpose of iterative design is to spot problems early on and addressing them right away.

? Can you EXPLAIN what Iterative design is?

Design development

This is an iterative process which helps designers to explore different design ideas, how well they work and how they can be improved.

? What is meant by the term Design development?

Prototypes

- Prototypes are designed and developed in response to a clients wants and needs.

- They allow a design to be tested and amended before the final design is created.

- A final prototype is usually manufactured using the same process as the intended final design to ensure that the product and the manufacturing process meet expectations.

Functionality

- A prototype should demonstrate that the final product will be fit for its intended purpose. To show this a prototype needs to be tested thoroughly to ensure that it performs its function effectively.

Evaluating prototypes

- Prototypes must go through testing to ensure that they are fit for purpose and meet the criteria given in the product and manufacturing specification. Any issues can then be solved by making changes to the design or manufacturing process.

? Can you explain what a prototype is and what the purpose of it is?