

Testing And Evaluation can help solve problems before you carry out too much work. Testing in a cheaper material will save money before manufacturing the final product. When you are doing coursework you need to test your ideas and, if necessary make modifications. Before you start designing and making you will have written a specification and this should guide your design thinking. As you develop your ideas you must test them against the specification.

Formative evaluation is ongoing as you make progress with the design of a product.

Summative evaluation is carried out at the end.



Commercial testing is critical in making sure that products are safe. A very well known example of this is the crash testing of cars using dummies.



When you are doing coursework you must write an initial **specification and then evaluate** your ideas against it. It is very important to have a clear specification with a good structure. Use the following titles:

- Target market
- Function
- Finish
- Size
- Weight
- Product materials
- Aesthetics
- Ergonomics
- Cost
- Health and safety
- Environmental issues
- Manufacture



You must evaluate your product and ideally get the client to test it too and give you feedback.

Evaluation should include:

1. Product testing
2. Evaluation against the specification
3. Modifications required
4. Changes needed for commercial production



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Disassembly of a product will help us to understand about the techniques and processes used in industry. We can find out about what materials are used and why, what information is necessary on a product and about the legal requirements of a product.

Aesthetics
Cost
Customer
Environment
Safety
Size
Function
Materials
Manufacture

