

QA/QC, Quality Assurance/Quality Control - example sheets.

gcse example material.

Samples from random projects.

Zoom in to read the annotations
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Use these examples to help and inspire you.



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Quality Control and Quality Assurance

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Quality control is a series of checks which are carried out on a product as it is made. The checks are made to make sure that each product meets a specific standard.

The quality control checks which I will make are:

- Ensure that I have the right size of material to make the money box.
- Check that my material has no cracks, dents, chips, it's not bent or scratches on it otherwise this may affect my final outcome and downgrade its appearance.
- Check that I get the right size of material for the joints and precise because if I don't then the joints in my money box will not fit. Therefore my money box will not be successful.
- The screws I use must be tightly secure in order for the structure to be steady and stable.
- I will make sure that my product uses colour.
- Hopefully the money box will look clean.
- When using glue to stick various materials to others I will have to apply it carefully so that it is not too thick and it is not too professional.
- When drilling holes ready for the bolts and screws the holes must be exact opposite each other and in the correct place.
- I will use new screws and bolts on the money box so that they have a clean appearance.
- If I use any paint for the wood it will be new.

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Quality assurance is when you check the systems of the product. You check the assurance at three points within manufacture which are before, during and after. By doing this you are ensuring that consistency is achieved and that the product meets the required standards. I will be checking the quality assurance on my chosen money box. Factors which need to be consistently monitored are equipment, materials, and processes. Mainly the most important part of Quality Assurance is the customer.

Quality assurance checks which I will make when I am producing my money box are:

- Ensure that my money box is safe for the customer by making checks such as ensuring that any sharp edges are smoothed down and end up smooth otherwise the customer may harm themselves on my money box.
- My product is a money box so I will have to ensure that the money slot is large enough for a 10 pence coin in the UK.
- The materials I use are not too heavy as the money box will be a reasonable size so therefore may be heavy as a lot of materials are needed anyway so I need to try and use lighter ones.
- The materials I use are not too thick.
- I will need to test the doors at the back of the product to make sure they open and close correctly with catches which work.
- I will ensure that the equipment I use like machines, laser cutters are all in good condition.
- Before using any equipment like saws I will check that the equipment is secure and safe.
- I will apply any safety requirements when using any equipment which could be dangerous like wearing safety glasses, make sure hair is tied back and other safety checks are abided by.
- If any lights are added I will make sure that they work.

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Quality Assurance & Control

Quality control (QC) is how you check that you're meeting those standards.

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Quality Assurance checks the systems which makes the products, before, during and after manufacture. It ensures that consistency is achieved and that it meets the required standards. Staff training need to be constantly monitored. The customer is an important part of QA systems and may well be involved in

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Testing is an important part of a product and can take place at any time during production. For example an injection moulded plastic bottle top could be tested after ten, a thousand or a million of them have been produced. In this particular example, the test is to see whether it screws onto its container properly.

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Quality Control is a sense of checks which are carried out on a product as it is made. The checks are made to make sure each product meets a specific standard. Some examples of tests are accuracy weight, electrical circuit testing and flammability tests.

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