GCSE Design & Technology

2018
Controlled Assessment Task

Section A
Pages 1 - 11

Designing Workbook

Candidates are to complete one 30 hour design, make and evaluate task.

A choice of 3 briefs are published by WJEC annually.

It is suggested that this workbook is reviewed in its entirety before any work is done.

The task is time limited. Teachers are required to monitor, record and verify the time for each sheet and the total time taken.

Candidates will not gain by exceeding the 30 hours available.

Section B
Pages 12 - 15

Planning and Evaluating Workbook alongside the manufactured product

All graphical and written work produced by the candidate for this Controlled Assessment must be submitted on the CAT Workbook sheets provided.

Candidates are not to add fold out parts to the pages, continue on the back of the sheets or additional sheets.

Candidates may use ICT applications where appropriate, but it is expected that most of the work be hand written and hand drawn.

DO NOT scan hand drawn design work and print it out. Work directly on the CAT Workbook pages.

THESE PAGES ARE TO BE USED A3 SIZE
State your initial **Design Brief** here.

**BRIEF NUMBER**

Provide details of the **Target Market** for your product.

| Provided details of the results of the **Research** that you have carried out into the problem. |

State your **Final Design Brief** here.

**CANDIDATE NAME**

Provide details of the results of your **Analysis of a Competitor Product**.
Write a detailed Design Specification for the product you are going to design. Ensure that the statements you write are Specific, Measurable, Achievable, Realistic and Technical (SMART).
Use this page to produce **FOUR Initial Design Ideas** for a product that will meet the Design Specification. Ideas need to be sketched clearly to show all details. Add notes to explain your ideas.
Use this space to draw your **best idea**. This should be a compilation from the exploration of ideas on Page 3.

Make your drawing of the product look as realistic as you can. Add notes to explain how the solution will work and what it will look like.

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**PARTNER 1**

Do you agree this is the best idea?

Explain how you think the idea can be improved.

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**PARTNER 2**

Do you agree this is the best idea?

Explain how you think the idea can be improved.

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Now that you have thought about your partner's comments, make a sketch of the **Final Idea** that you are going to develop.

Add notes to explain the changes you have made.

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**CANDIDATE NAME**

**APPLICATION**

**FINAL MARK**

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Develop your chosen idea to improve its form, appearance, style and function. Show a range of possibilities, add notes on the advantages and disadvantages of each one.

State and justify the decisions you have made.

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Develop your chosen idea to find the best use of materials / ingredients and components. Show a range of possibilities, add notes on the advantages and disadvantages of each one.
Develop your chosen idea to find the best use of construction.
Show a range of possibilities, add notes on the advantages and disadvantages of each one.

State and justify the decisions you have made.
Develop your chosen idea to work out the sizes, quantities and costings of materials that will be needed to make the solution. Show a range of possibilities, add notes on the advantages and disadvantages of each one.

State and justify the decisions you have made.
Develop your chosen idea to consider the **finish** and **quality** issues to make sure you make a good product. Show a range of possibilities, add notes on the **advantages** and **disadvantages** of each one.

State and justify the decisions you have made.
Make a **high quality presentation drawing** of your solution. Make the drawing of the product's look as realistic as you can. Add the name of your product. **Do not** add any notes to your drawing.
Make a full presentation of the **final technical details** of your solution. You need to produce a manufacturing specification that includes all the information needed to make all parts of the solution.
Make a **fully detailed plan** of how the product will be made. The plan needs to give a full set of instructions for making the product.
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Make a **full evaluation** of the final product by testing it against the Final Brief (page 1), the Design Specification (page 2) and the views of the target market of the finished product. The evaluation must be a piece of continuous writing.
Use the evaluation of your final product to identify ways for **improving the product**. Use drawings and notes to show ways that the final product could be improved and show how the making could be improved to ensure a high quality product is made.
Place four (4) colour photographs of the final product on this page. Show views of the whole product and any interesting details. Do not show the making process or any mock ups, trials, maquettes or prototypes as these should be included on the development pages in Section A of the workbook (pages 5 to 9).