WELSH JOINT EDUCATION COMMITTEE
GCSE DESIGN & TECHNOLOGY

2013
CONTROLLED ASSESSMENT TASK

SECTION A
Pages 1 - 11

DESIGNING WORKBOOK

SECTION B
Pages 12 - 15

PLANNING & EVALUATING WORKBOOK

TO ACCOMPANIED BY THE MANUFACTURED PRODUCT

NOTES

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

New initial briefs for the candidates to complete are published by the WJEC each year.

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

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

Candidates will not gain additional credit by exceeding the time limit.

All graphical and written work produced by the candidates for this controlled assessment **must** be submitted on the pre-printed pages provided.

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

Candidates are free to use ICT applications where they are appropriate but it is expected that most of the work will be hand drawn and hand written

DO NOT scan hand drawn work and print it out but work directly onto the pages.

THESE PAGES ARE TO BE USED A3 SIZE

WJEC DESIGN & TECHNOLOGY CONTROLLED ASSESSMENT TASK	CANDIDATE NAME _____	Time Taken for Page _____mins	PAGE 1

State the **Initial Design Brief** that you are going to solve.

BRIEF NUMBER

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

Provide details of the results of your **analysis of a competitor product**.

Provide details of the results of the **research that you have carried out into the problem**.

State the **Final Design Brief** that you have decided on.

Teacher's Justification 2013

FINAL MARK

Write a detailed **Design Specification** for the product you are going to design. Make sure that the statements that you write include ones that are Specific, Measurable, Achievable, Realistic and Technical.

Teacher's Justification 2013		FINAL MARK

Use this page to present four **initial design ideas** for a product that will meet the Design Specification. Ideas are to be sketched to clearly show details of the ideas and notes added 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.

WJEC DESIGN & TECHNOLOGY CONTROLLED ASSESSMENT TASK	CANDIDATE NAME _____	Time Taken for Page _____mins	PAGE 4

You now need to get the views of others.

PARTNER 1

Do you agree that this is the best idea.

Explain how you think the idea can be improved

PARTNER 2

Do you agree that this is the best idea.

Explain how you think the idea can be improved

Now you have thought about your partners comments make an sketch of the final idea that you are going to develop. Add notes to explain the changes you have made.

Explain why you think it is the best idea.

State if you agree with your partners.
Give reasons for your decision.

TEACHERS GUIDANCE.

Teacher's Justification 2013

FINAL MARK

Develop your chosen idea to improve its **Form, Appearance, Style, Suitability** and **Function**.
Show a range of possibilities, add notes on the advantages and disadvantages of each one.

WJEC DESIGN & TECHNOLOGY CONTROLLED ASSESSMENT TASK	CANDIDATE NAME _____	Time Taken for Page _____mins	PAGE 5

State and justify the decisions you have made.

TEACHERS GUIDANCE.

Teacher's Justification 2013		FINAL MARK

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.

WJEC DESIGN & TECHNOLOGY CONTROLLED ASSESSMENT TASK	CANDIDATE NAME _____	Time Taken for Page _____mins	PAGE 6

State and justify the decisions you have made.

TEACHERS GUIDANCE.

Teacher's Justification 2013		FINAL MARK

Develop your chosen idea to find the best **Construction**.
Show a range of possibilities, add notes on the advantages and disadvantages of each one.

State and justify the decisions you have made.

TEACHERS GUIDANCE.

Teacher's Justification 2013

FINAL MARK

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.

TEACHERS GUIDANCE.

Teacher's Justification 2013

FINAL MARK

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.

TEACHERS GUIDANCE.

Teacher's Justification 2013

FINAL MARK

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 the product. Do not add any notes to your drawing.

Teacher's Justification 2013		FINAL MARK

Make a full presentation of the **final technical details** of your solution. You need to produce a **manufacturing specification** that includes all the information that is needed to make all the parts of the solution.

Teacher's Justification 2013		FINAL MARK

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.

TEACHERS GUIDANCE.

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Teacher's Justification 2013

FINAL MARK

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.

Teacher's Justification 2013		FINAL MARK

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 make sure that 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 interesting details of the final product.
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 folio (Pages 5 to 9).