

# Self Assessment. AQA GCSE CONTROLLED ASSESSMENT D&T

Name

Target grade:

Group

Date

This is the same information that has been in your folder since we started the projects.

It is now time for you to judge your own work;

### BE REALISTIC—

1. **do NOT over estimate** and tick something if you do not have evidence to back it up.
2. **do NOT under estimate** and try to pull yourself down. You have exemplar material to look at. How does yours compare?

Be methodical—start at lower scores and work your way up.

Record your score for each section at the end. Tally up these scores and judge your grade using the table.

### Deadline—28th March.

C1: Analysis and Research Evidence	max 8 Marks
I have chosen relevant research material that will help me to generate original design ideas	
I have demonstrated an excellent understanding and analysis of the design context	
I have undertaken detailed analysis of relevant existing products or systems which will help with my design ideas	
I have completed a comprehensive analysis of relevant research material	
I have provided specific design criteria, which clearly links to my analysis	
I have identified a specific target market and produced a profile of the intended consumer/user	
7/8	
I have demonstrated good understanding and analysis of the design context	
I have demonstrated good analysis of relevant products or systems undertaken	
I have demonstrated good analysis of the relevant research and the design context	
I have provided design criteria which clearly links to my analysis	
I have identified a specific target market for my product	
5/6	
I have shown a basic understanding and analysis of the design context	
I have completed some analysis of related products or systems	
I have made a superficial analysis of most of the research material and the context	
My design criteria reflects most of my analysis	
I have considered a few things about the likely consumer/user	
3 - 4	
I have not really understood or analysed the design context	
I have commented on other products or systems which might be helpful to me	
I have provided some research and analysis of the design context	
I have provided a few design criteria	
I have not really considered the person who would use my product or where it might be sold	
0 - 2	

C2: Designing Evidence	max 32 Marks
I have developed imaginative and innovative ideas, demonstrating creativity, flair and originality.	
I have made lots of further developments because of ongoing research	
I have planned and used a clear and appropriate design strategy throughout	
I have shown that I have considered the implications of a wide range of features including social, moral, environmental and sustainability issues before finalizing my design proposal	
I have evidenced excellent development work through experimentation with a wide variety of modelling to produce a final design solution	
The information I have provided would allow someone else to be able to fully make my product	
I have selected appropriate materials/ingredients and components and explained their working properties in some detail	
I have provided a fully detailed product/manufacturing specification and justified this from my analysis	
26 - 32	
I have developed imaginative ideas demonstrating a degree of creativity	
I have made some further developments because of ongoing research	
I have planned and used an appropriate design strategy	
I have shown that I have considered the main features relating to a variety of social, moral, environmental and sustainability issues before finalizing my design proposal	
I have evidenced good development work through working with a variety of modelling to produce a final design solution	
The information I have provided would allow someone else to be able to make the most important parts of my product	
I have selected appropriate materials/ingredients and components and explained their working properties	
I have provided a product/manufacturing specification which is complete and links to the key aspects of my analysis	
19 - 25	
I have evidenced some design ideas which show some degree of creativity and further development	
I have planned and used an appropriate design strategy for some of my work	
I have shown that I have considered a range of features relating to social, moral, environmental and sustainability issues before finalizing my design proposal	
I have evidenced some development work through working with a range of modelling to produce a final design solution	
The information I have provided would allow someone else to be able to make most of my product	
I have selected materials/ingredients and components with some consideration of their working properties	
I have provided a product/manufacturing specification which links to most parts of my analysis	
12 - 18	
I have evidenced some ideas which are fairly different to each other	
I have not planned and used a design strategy with much of my work	
I have shown that I have considered some aspects relating to social, moral, environmental and sustainability issues before finalizing my design proposal	
I have evidenced some development work which includes some modelling	
The information I have provided would allow someone else to be able to make some parts of my product	
I have selected materials/ingredients and components with limited consideration of their working properties	
I have provided a limited product/manufacturing specification which reflects the most obvious features of my analysis	
6 - 11	
I have evidenced ideas that are lacking in imagination with minimal development or further research	
I have not planned my design work and there is little evidence of a logical approach being used	
I have evidenced development work which shows little consideration of social, moral, environmental and sustainability issues	
I have evidenced basic development work using a limited range of techniques	
I have selected materials/ingredients and components selected with little regard to their working properties	
I have produced a simple product/manufacturing specification which has some general considerations	
0 - 5	

# Self Assessment. AQA GCSE CONTROLLED ASSESSMENT D&T

C3: Making	Max 32 Marks
My product(s) shows a high level of making/modelling/finishing skills and accuracy	
I have selected and used appropriate tools, materials and/or technologies including, where appropriate, CAM correctly, skilfully and safely	
I have worked independently to produce a rigorous and demanding product	
My quality controls are evident throughout the project and it is clear how accuracy has been achieved.	
My product has the potential to be commercially viable and is suitable for the target market	
<b>26 – 32</b>	
My final product shows very good level of making/modelling/finishing skills	
I have selected and used appropriate tools, materials and/or technologies including, where appropriate, CAM correctly and safely	
My product demonstrates a high level of demand	
My quality control checks are applied in the manufacture of my product	
My product is suitable for the target market and could be commercially viable with further development	
<b>19 – 25</b>	
My final product shows good level of making/modelling/finishing skills	
I have used appropriate materials, components, equipment and processes correctly and safely (including CAM)	
Parts of my product show high levels of demand	
I have applied quality control checks broadly but superficially	
My product requires further development in order to be suitable for the target market	
<b>12 – 18</b>	
My final product is largely complete and represents a basic level of making/modelling/finishing skills	
I have used materials, components and equipment correctly and safely (including CAM if appropriate)	
Some aspects of my product are demanding	
I have applied limited quality control throughout the process	
My product has some weaknesses which limit its suitability for the target market	
<b>6 – 11</b>	
My final product is incomplete or represents an undemanding level of making/ modelling/ finishing skills	
I have used materials, components and equipment safely under close supervision	
I have needed with some assistance to produce a product of limited demand	
I have provided limited evidence of any quality control and my levels of accuracy are minimal	
My product has significant weaknesses which limit its suitability for the target market	
<b>0 – 5</b>	

C4: Testing & Evaluation	max 12 Marks
I have provided evidence of detailed testing and evaluation throughout the designing and making process taking account of client/user or third party opinion	
I have tested all aspects of my final product against the design criteria and/or the product/manufacturing specification	
I have evaluated and justified the need for modifications to the product and discussed how the product might need to be modified for commercial production	
<b>9 – 12</b>	
I have provided evidence of testing and evaluation throughout the designing and making process	
I have tested most aspects of my final product against the design criteria and/or the product/manufacturing specification	
I have evaluated and justified the need for improvements or modifications to the product	
<b>6 – 8</b>	
I have provided evidence of some testing and evaluation leading to the production of the final product	
I have tested some aspects of my final product against the design criteria and/or the product/manufacturing specification	
I have suggested some improvements or modifications to my product	
<b>3 – 5</b>	
I have done very little testing and evaluation throughout the designing and making process	
I have done little or no testing of my final product against the design criteria and/or the product/manufacturing specification	
I have suggested one improvement or modification that could be made to my product	
<b>0 – 2</b>	

C5: Communication	max 6Marks
My design evidence is focussed, concise and all of the material is relevant to what I have designed and made	
All of my decisions are communicated in a clear and coherent manner with appropriate use of technical language	
My writing is legible, easily understood and shows a good grasp of grammar, punctuation and spelling	
<b>5 – 6</b>	
My design evidence shows some skill in what I have chosen to include but has some irrelevant material	
Most of my decisions are communicated clearly and I have used some technical language	
My writing has a small number of errors in grammar, punctuation and spelling	
<b>3 – 4</b>	
My design evidence shows lots of duplication of information and contains a lot of irrelevant material	
My ideas and decisions are communicated at a simple level and I have used very little technical vocabulary	
My writing has numerous errors in grammar, punctuation and spelling	
<b>0 – 2</b>	

	Investigation	Ideas & Development	Making	Testing & Evaluation	Communication
Grade /Max	8	32	32	12	6
A*	8	30	30	10	6
A	7	28	28	9	5
B	6	24	24	8	4
C	5	20	20	7	4
D	4	16	16	6	3
E	3	13	13	4	2
F	2	9	9	3	2
G	1	6	6	2	1
U					

**max 90**

A* 80	
A 72	
B 63	
C 54	
D 45	
E 36	
F 27	
G 18	

# Self Assessment. AQA GCSE CONTROLLED ASSESSMENT D&T

Research Analysis and Specifications		
Section	I have...	<input checked="" type="checkbox"/>
Analysis of Research	...generated a list of key areas that my research has covered, such as ACCESSFMMM, or Who, Where, When, What, Why, How	
Analysis of Research	...for each key area (ACCESSFMM, WWWWWH) I have written a detailed paragraph that summarises and explains WHAT I have found in my research on the previous pages, WHY it is useful and HOW it could help me in my project	
Specifications	...generated a list of key areas that relate to exactly WHAT I WANT MY PRODUCT TO BE LIKE, such as ACCESSFMMM, CAFEQUE or Who, Where, When, What, Why, How	
Specifications	... for each key area (ACCESSFMM, CAFEQUE, WWWWWH) I have written a detailed bullet point that SPECIFIES WHAT MY PRODUCT MUST/COULD BE, HOW IT MUST/COULD BE MADE. Specifications must be SPECIFIC: exact dimensions, thickness, target user group, colours, fonts, and use correct names & terms for materials, equipment, processes etc	
Specifications	...used images, drawings, diagrams or relevant supporting material to clarify any Specification points where necessary	
Manufacturing Specification (School)	...generated a list of key areas that relate to exactly HOW MY PRODUCT WILL BE MADE IN SCHOOL (material type/weight/thickness, adhesives, tools, equipment, processes- digital print, laser cut, plotter cut, vacuum forming, gluing, making moulds etc)	
Manufacturing Specification (Industry)	...generated a list of key areas that relate to exactly HOW MY PRODUCT WOULD BE MADE COMMERCIALY (material type/weight/thickness, adhesives, tools, equipment, processes- litho/flexo/screen print, die cut and crease, vacuum forming, automated gluing, binding, print finishes etc)	
General Advice	Specifications must be SPECIFIC: exact dimensions, thickness/GSM, target user group, colours, fonts, and use correct names & terms for materials, equipment, processes etc	

Name

Target grade:

Group

ESSENTIAL

ALL PAGES MUST:

- Be on A3 Paper—NO A4 or extensions to A3.
- Have YOUR NAME on.
- Include YOUR CANDIDATE NUMBER.
- Be no LOOSE paper.

CHECK YOUR

SPELLING  
PUNCTUATION  
GRAMMAR

Use correct technical terms eg,  
'Craft knife' NOT 'knife'  
'PVA Adhesive' NOT 'glue'  
'CNC Plotter cutter' NOT 'cutting machine'  
'2D Design CAD program' NOT 'computer program'

REFERENCES

Where relevant add reference to sources of information eg  
Websites, Google images, Books, etc.  
Eg. Dafont.com, BBC Bitesize, www.technologystudent.com,

**DEADLINE**

**Friday 28th March  
2014  
1:20pm**

3D Product - CD Case		
Section	I have...	<input checked="" type="checkbox"/>
Design Ideas	...sketched SIX-TEN DIFFERENT ideas for designs in 3D using pencils, colour pencils, fine-liner and spirit markers to render if necessary	•
	...annotated all of my design ideas by explaining WHAT I like about each one, WHY I like them or not, HOW they satisfy the Specification or not, HOW they work and will be made	•
	...noted HOW my ideas are suitable for the Target User. Evaluate them against the Specification (ACCESSFMMM)	•
	...showed any relevant details that explain HOW the design would work, such as sketches of close-ups, cross sections, exploded views, construction details etc	•
Chosen Idea	...showed which of the different designs you've chosen to develop further and make as your final practical work, and explained WHY you like it and WHY you think it will work	•
General Advice	Show different ideas for VARIATIONS of the chosen idea, such as different shapes of cut out windows or headers, directions of folding/opening, sizes & proportions, mechanisms	•
	Show as much DETAIL about your idea as possible. Use sketches of close ups, different views, exploded views, British Standards dimensions, assembly/construction methods	•
	Show your NET designs as they develop, including a key for cut lines, fold/score lines, glue tabs etc	•
	Show a range of SKILLS and presentation techniques such as Perspective Drawing, Third Angle Orthographic, Isometric Drawings, Ink and Pencil Rendering, Exploded Views, Close-ups, Animated/Dynamic Sketches, Scale Drawings, Storyboarding, Before/After	•
	Do ONGOING RESEARCH, show what you've found out and refer to it as you develop your ideas. For example, test using SMART paints, test prototypes of mechanisms, learning to use a new tool, inspiration from elsewhere (nature, other designers, shopping trips, TV etc)	•
	Take photos of ALL MODELS and PROTOTYPE work you do, show any modifications you need to make, and explain HOW you made it and WHAT you intended to achieve	•
	EVALUATE your work as it develops. Always say WHAT is working well , WHAT is not, WHY it is or not, and HOW it could be improved, HOW WELL IT MEETS THE SPECIFICATION	
CD Graphics Development	...showed HOW my artwork designs have been developed by adding Print Screens / C&P and named the correct tools and processes I have used, and justified my decisions	
General Advice	Remember to include all RELEVANT COMPONENTS / ingredients, such as Barcodes, Packaging Symbols, Ingredients/Nutrition Info, Health & Safety Advice, Price, Logos, Slogans, Background Designs, Wording etc	
	Make sure your work is correctly spell and can be read easily. Use CONTOURS around text if you need to create CONTRAST	

## Self Assessment. AQA GCSE CONTROLLED ASSESSMENT D&T

Logo design - initial ideas		
Section	I have....	<input checked="" type="checkbox"/>
Logo Design Ideas	...come up with at least 6 different and suitable ideas for a logo for my product	
	...used my research findings and Specification to inspire my ideas, use of colours, style etc	
	...sketched out my ideas using a pencil and a ruler or template if necessary, outlined them using a fineliner and finished them in colour using colour pencils or spirit markers	
Logo Design Ideas	...annotated each design, explaining the ideas behind it, and evaluated their success. (Always try to refer to your initial research and Specification)	
Chosen Idea	...showed which of the different designs you will develop further and select as your final logo, and explained WHY you like it and WHY you think it will work	
Logo development		
Screen Shots of CAD Dev't	...showed the main stages of creating my logo design in vector format using 2D Design, Serif Draw Plus or Fireworks etc	
	...showed the main tools used in making the logo at each stage of development	
	...explained HOW I did it, HOW I overcame any problems, WHAT problems I encountered, WHAT processes I went through, WHY I did it, WHY I think it is successful, WHY I like it etc	
Final Logo Design	...selected all the elements of the complete log and Copied from 2D Design and Pasted into Slide, without distorting, compressing, stretching etc (re-size using corner + Shift)	
Evaluation	...explained WHY I like the final logo design and HOW well it meets the Specification	

Evaluation - User testing		
Section	I have....	<input checked="" type="checkbox"/>
Design Tests	...devised some relevant non-destructive tests to use with my product and explained HOW I will do the test, WHY it is relevant (e.g. does it fit in it's usual context, can the text be read from a given distance, how long does it take to assemble, does it stand freely?)	
Test Results	...explained the findings of my tests, and assessed how successful my products fared in the tests	
User Survey Charts	...devised several questions to ask my target user group about my products, and graphically presented the findings using charts	
Analysis of Results	...explained the results and analysed HOW and WHY my products were successful, or not	
User Feedback	...included some quotes and general feedback from the people that have tested my products (e.g. Mr Bloggs said: "I like the colour scheme, but the instructions are difficult to read, and I think it may be better if the material was thinner")	
Initial Specification	...copied my Specifications for all products. There should be at least 3 (logo - CD case - CD graphics)	
Success Vs Specification	...shown HOW WELL my product has met the initial Specifications (traffic lights: Red/ Amber/Green, score out of 5/10, percentage, pie chart etc)	
Analysis Vs Specification	...written full detailed sentences to explain HOW and WHY (or WHY NOT) my finished work has met the Specifications	
Conclusion	...explained how it could be improved to meet them better, or explained how the design has evolved from the initial Specification	
Close Up Images	...taken and used suitable close up images of the imperfections on my products, or possible areas to be modified	
Justify Modifications	...fully explained WHAT modifications would be suitable, WHY they are necessary, and HOW you would do them	
Show Modifications	...use CAD or hand drawn sketches to illustrate the modifications you would make to the products to make them more successful	
Commercial Modifications	.....generated a list of key areas that relate to exactly HOW MY PRODUCT WOULD BE MADE COMMERCIALY (material type/weight/thickness, adhesives, tools, equipment, processes- litho/flexo/screen print, die cut and crease, vacuum forming, automated gluing, binding, print finishes etc)	
Overall Evaluation	...written a detailed overview of the success of my design, explaining WHAT worked well, WHAT didn't work so well, WHY this is, and HOW it could be improved	