

Criterion 1 Mark Band	Investigating the design context
7–8	<ul style="list-style-type: none"> • Discrimination shown when selecting and acquiring relevant research that will promote originality in designing • Excellent understanding and analysis of the design context • Detailed analysis of relevant existing products or systems undertaken related to design intentions • Comprehensive analysis of relevant and focussed research undertaken • Clear and specific design criteria identified, reflecting the analysis undertaken • Target market identified and the intended consumer/user profiled
5–6	<ul style="list-style-type: none"> • Good understanding and analysis of the design context • Good analysis of relevant products or systems undertaken • Good analysis of relevant research and context • Design criteria which reflects the analysis undertaken • Target market for product has been identified
3–4	<ul style="list-style-type: none"> • Basic understanding and analysis of the design context • Some analysis of related products or systems undertaken • Made a superficial analysis of most of the research material and the context • Design criteria reflects most of the analysis undertaken • Some consideration has been taken of the likely consumer/user
0–2	<ul style="list-style-type: none"> • Limited understanding or analysis of design context • Minimal analysis of other products or systems undertaken • Provided little evidence of research and analysis of context • Design criteria is very general and lacking in any detail • Limited understanding of the target market/user evident

Criterion 2 Mark Band	Development of Design Proposals (including modelling)
26–32	<ul style="list-style-type: none"> • Imaginative and innovative ideas have been developed, demonstrating creativity, flair and originality. Further developments made to take account of ongoing research • A coherent and appropriate design strategy, with clear evidence of a planned approach, adopted throughout • The implications of a wide range of issues including social, moral, environmental and sustainability, are taken into consideration and inform the development of the design proposals • Excellent development work through experimentation with a wide variety of techniques and modelling (including CAD where appropriate) in order to produce a final design solution • Appropriate materials/ingredients and components selected with full regard to their working properties • Fully detailed and justified product/manufacturing specification taking full account of the analysis undertaken
19–25	<ul style="list-style-type: none"> • Imaginative ideas demonstrating a degree of creativity, which are further developed to take account of ongoing research • An appropriate design strategy, with evidence of planning, adopted for most aspects • Development of design proposals take into account the main aspects relating to a variety of social, moral, environmental and sustainability issues • Good development work achieved through working with a variety of techniques and modelling (including CAD where appropriate) • Appropriate materials/ingredients and components selected with regard to their working properties • Product/manufacturing specification is complete and reflects key aspects of the analysis undertaken
12–18	<ul style="list-style-type: none"> • Design ideas show some degree of creativity and further development • An appropriate design strategy, with some evidence of planning, adopted for some aspects • Developments of design solutions are influenced to some extent by factors relating to social, moral, environmental and sustainability issues • Adequate development work achieved through working with a range of techniques and modelling (including CAD where appropriate) • Materials/ingredients and components selected with some regard to their working properties • Product/manufacturing specification reflects most aspects of the analysis
6–11	<ul style="list-style-type: none"> • Ideas show some variation in approach or concept • A limited design strategy, with minimal planning, is evident • Some consideration taken of social, moral, environmental and sustainability issue in development of design solutions • Development work is lacking in detail but makes reference to a number of techniques and modelling (including CAD where appropriate) • Materials/ingredients and components selected with limited regard to their working properties • Limited product/manufacturing specification which reflects most obvious features of analysis
0–5	<ul style="list-style-type: none"> • Ideas are lacking in imagination with minimal development or further research • Little evidence of a logical approach being adopted, with no indication of planning • Development work shows little consideration of social, moral, environmental and sustainability issues • Basic development work undertaken using a limited range of techniques • Materials/ingredients and components selected with little regard to their working properties • Produced a simple product/manufacturing specification which is general in nature

26–32	<ul style="list-style-type: none"> • Final outcome(s) shows a high level of making/modelling/finishing skills and accuracy • Selected and used appropriate tools, materials and/or technologies including, where appropriate, CAM correctly, skilfully and safely • Worked independently to produce a rigorous and demanding outcome • Quality controls are evident throughout the project and it is clear how accuracy has been achieved. • The outcome has the potential to be commercially viable and is suitable for the target market
19–25	<ul style="list-style-type: none"> • Final outcome shows very good level of making/modelling/finishing skills • Selected and used appropriate tools, materials and/or technologies including, where appropriate, CAM correctly and safely • Outcome demonstrates a high level of demand • Quality control checks applied in the manufacture of the product • The outcome is suitable for the target market and could be commercially viable with further development
12–18	<ul style="list-style-type: none"> • Final outcome shows good level of making/modelling/finishing skills • Used appropriate materials, components, equipment and processes correctly and safely (including CAM) • Parts of outcome show high levels of demand • Applied quality control checks broadly but superficially • The outcome requires further development in order to be suitable for the target market
6–11	<ul style="list-style-type: none"> • Final outcome is largely complete and represents a basic level of making/modelling/finishing skills • Used materials, components and equipment correctly and safely (including CAM if appropriate) • Some aspects of outcome are demanding • Some evidence of limited quality control applied throughout the process • The outcome has some weaknesses which limit its suitability for the target market
0–5	<ul style="list-style-type: none"> • Final outcome is incomplete or represents an undemanding level of making/modelling/finishing skills • Used materials, components and equipment safely under close supervision • Worked with some assistance to produce outcome of limited demand • There is limited evidence of any quality control and levels of accuracy are minimal • The outcome has significant weaknesses which limit its suitability for the target market

Criterion 4 Mark Band	Testing and Evaluation
9–12	<ul style="list-style-type: none"> • Detailed testing and evaluation as appropriate throughout the designing and making process taking account of client/user or third party opinion • All aspects of the final outcome have been tested against the design criteria and/or the product/manufacturing specification • Evaluate and justify the need for modifications to the product and consideration given as to how the outcome might need to be modified for commercial production
6–8	<ul style="list-style-type: none"> • Appropriate testing and evaluation evident throughout the designing and making process • Most aspects of the final outcome have been tested against the design criteria and/or the product/manufacturing specification • Evaluate and justify the need for improvements or modifications to the product
3–5	<ul style="list-style-type: none"> • Evidence of some testing and evaluation leading to the production of the final outcome • Some evidence of testing against the design criteria and/or the product/manufacturing specification • Some improvements or modifications to product suggested
0–2	<ul style="list-style-type: none"> • Minimal testing and evaluation throughout the designing and making process • Limited or no testing of final outcome against the design criteria and/or the product/manufacturing specification • Limited mention of some improvements or modifications that could be made to the product

Criterion 5 Mark Band	Communication
5–6	<ul style="list-style-type: none"> • Design folder is focussed, concise and relevant and demonstrates an appropriate selection of material for inclusion • All decisions communicated in a clear and coherent manner with appropriate use of technical language • The text is legible, easily understood and shows a good grasp of grammar, punctuation and spelling
3–4	<ul style="list-style-type: none"> • Design folder shows some skill in choice of material for inclusion but includes some irrelevant content • Most decisions communicated with some clarity and with some use of technical language • There are a small number of errors in grammar, punctuation and spelling
0–2	<ul style="list-style-type: none"> • Design folder shows excessive duplication of information and a lack of brevity and focus resulting in irrelevant content • Ideas and decisions communicated at a simplistic level with a limited grasp of the concepts involved and a limited use of technical vocabulary • Numerous errors in grammar, punctuation and spelling