

Design and Technology Assessment Criteria

| Old Curriculum Level | Current GCSE grade scale | New GCSE Grade | Point Equivalent |
|----------------------|--------------------------|----------------|------------------|
| | A* | 9 | 84-90 |
| 8 | A | 8 | 78-84 |
| 7 | B | 7 | 66-77 |
| 6 | C | 6 | 55-65 |
| 5 | D | 5 | 47-54 |
| 4 | E | 4 | 39-46 |
| 3 | F | 3 | 32-38 |
| 2 | G | 2 | 25-31 |
| 1 | U | 1 | 0-24 |

| Criterion 1 Mark Band | Investigating the Design Context |
|-----------------------|--|
| 7-8 | <ul style="list-style-type: none"> • Choosing and collecting relevant research that will provide inspiration and promote originality in designing • Excellent task analysis that shows understanding • Detailed analysis of relevant existing products or techniques that relate to design task • All research is analysed in excellent detail • The design specification is clear, relevant and covers a wide range of needs • Target market identified and the intended consumer/user profiled |
| 5-6 | <ul style="list-style-type: none"> • Research shows a good level of detail and is relevant • Good task analysis that shows some understanding • Good analysis of relevant products or techniques • All research is analysed in good detail • The design specification is clear, relevant and covers a range of needs • Target market for product has been identified |
| 3-4 | <ul style="list-style-type: none"> • Research show some detail but the information is not entirely relevant • Basic task analysis that shows little understanding • Some analysis of related products or techniques • Most research is analysed in basic detail • The design specification is clear and covers a limited range of needs • Some consideration has been taken of the likely consumer/user |
| 0-2 | <ul style="list-style-type: none"> • Completed at least 1 piece of research but it is lacking in detail and shows little understanding. • Limited task analysis • Minimal analysis of other products or techniques • Little or no research is analysed • The design specification 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. • A development plan that shows an excellent understanding of the design task and evidence of forward planning. • Designs are developed that show evidence of having considered a wide range of issues including social, moral, environmental and sustainability where appropriate. • Excellent development work that experiments with a wide variety of techniques and prototypes in order to produce a final design • Appropriate materials/ingredients and components selected with full regard to their working properties • Fully detailed and justified final design |
| 19-25 | <ul style="list-style-type: none"> • Imaginative ideas demonstrating a degree of creativity • A development plan that shows a good understanding of the design task and evidence of forward planning. • Designs are developed that show evidence of having considered the main aspects of issues including social, moral, environmental and sustainability where appropriate. • Good design development work achieved through working with a variety of techniques and prototypes • Appropriate materials/ingredients and components selected with regard to their working properties • The final design is complete with a good level of detail |
| 12-18 | <ul style="list-style-type: none"> • Design ideas show some degree of creativity • A development plan that shows a level of understanding of the design task and evidence of some forward planning. • Designs are developed that show some evidence of having considered a range of issues including social, moral, environmental and sustainability where appropriate. • Adequate design development work achieved through working with a range of techniques and prototypes. • Materials/ingredients and components selected with some regard to their working properties • The final design is completed in some detail |
| 6-11 | <ul style="list-style-type: none"> • Ideas show some variation in approach • A development plan that shows a basic understanding of the design task and little evidence of forward planning. • Designs are developed that show basic evidence of having considered social, moral, environmental and sustainability issues where appropriate. • Design development work is lacking in detail but makes reference to a number of techniques and prototypes • Materials/ingredients and components selected with limited regard to their working properties • The final design shows a limited level of detail |
| 0-5 | <ul style="list-style-type: none"> • Ideas are lacking in imagination • A development plan that shows a limited understanding of the design task and no evidence of forward planning. • Designs are developed that show little or no consideration of social, moral, environmental and sustainability issues • Basic design development work undertaken using a limited range of techniques • Materials/ingredients and components selected with little regard to their working properties • The final design shows a basic level of detail |

| Criterion 3 Mark Band | Making |
|--------------------------|--------|
|--------------------------|--------|

| Criterion 5 Mark band | Communication |
|--------------------------|---|
| 0-2 | <ul style="list-style-type: none"> • Design folder shows excessive duplication and irrelevant content. Little consideration has been given to presentation • Ideas and decisions communicated at a simplistic level with a limited grasp technical vocabulary • Numerous errors in grammar, punctuation and spelling |
| 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 the opinion of the client or the opinion of others • All aspects of the final outcome have been tested against the design specification • Evaluate and justify the need for modifications to the product and consideration is given as to how the outcome might need to be modified in order to be sold in a shop |
| 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 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 product • Some evidence of testing against the design specification • Some improvements or modifications to the 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 specification • Limited mention of some improvements or modifications that could be made to the product |