## Criterion B: Designing (Year 1)

**Students design the solution. At the end of the course, they should be able to:**

* Create a design specification which clearly states the success criteria for the design of a solution.
* Develop a range of feasible design ideas using a range of appropriate mediums and detailed annotation so that they can be interpreted by others.
* Present and justify the final chosen design with detailed reference to the design specification.
* Create detailed planning drawings/diagrams and outline the requirements for the creation of the chosen solution.

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| **Criterion** | Level | **Generic Descriptors** | **Task Specific Clarifications** |
| ***Criterion B***  ***Designing*** |  |  | You did not include a design specification  You have completed one design sketch  You have not completed an orthogonal drawing |
| **1 – 2** | States one basic success criteria for a solution.  Presents one design idea.  Creates an incomplete planning drawing/diagram. |
| **3 – 4** | States a few success criteria for the solution.  Presents 2 feasible design ideas using an appropriate medium(s) or labels key features that can be interpreted by others.  States the key features of the chosen solution.  Creates a planning drawing/diagram or lists requirements for the creation of the chosen solution. | You have copied my design specification.  You have completed at least 2 design drawings, which are labelled or are in colour.  You have stated a feature of your microphone  You have completed an orthogonal drawing reasonably neatly with some dimensions. |
| **5 – 6** | States a few success criteria for the solution.  Presents a few feasible design ideas (3) using appropriate medium(s) and labels key features that can be interpreted by others.  Presents the chosen design stating the key features.  Creates a planning drawing/diagram and lists the main details for the creation of the chosen solution. | You have copied my design specification and added one of your own.  You have completed at least 3 design drawings, which are labelled and/or are in colour.  You have explained some features of your microphone  You have completed an orthogonal drawing neatly with dimensions. |
| **7 - 8** | Creates a list of success criteria for the solution.  Presents feasible design ideas (3) using an appropriate medium(s), outlines the key features and can be correctly interpreted by others.  Presents the chosen design describing the key features.  Creates a planning drawing/diagram which outlines the main details for making the chosen solution. | You have copied my design specification and added several of your own.  You have completed at least 3 design drawings, which are completely labelled and are in colour.  You have explained all relevent features of your microphone  You have completed an orthogonal drawing very neatly with dimensions. |