

Candidate identifier					
Criterion	A	B	C	D	Total
Level awarded	6	6	6	7	25

Criterion A: Inquiring and analysing	Explanatory commentary: what in this work characterizes it at the achievement level?	Level by strand
Strand i: explain and justify the need for a solution to a problem for a specified client/target audience	The need for a solution to a problem for a specified client/target audience is explained with some detail	6
Strand ii: identify and prioritize primary and secondary research needed to develop a solution to the problem	The research plan identifies and prioritizes the primary and secondary research needed to develop a solution to the problem has been created, but lacks in detail	5
Strand iii: analyse a range of existing products that inspire a solution to the problem	An analysis of a range of existing products that inspire a solution to the problem has been completed. The student has identified individual areas of the existing research in a table and further analysed the importance of these areas.	6
Strand iv: develop a detailed design brief, which summarizes the analysis of relevant research	The design brief is developed and explains the analysis of the relevant research	6
Overall criterion level	6	What aspects of the work made it difficult to arrive at a level? How did you compensate in “best fit”?

Criterion B: Developing ideas		Explanatory commentary: what in this work characterizes it at the achievement level?	Level by strand
Strand i: develop design specifications, which clearly states the success criteria for the design of a solution		Design specifications have been developed which outline the success criteria for the design of a solution. The specification also identifies how the specification is linked to the research and how it will be tested.	6
Strand ii: develop a range of feasible design ideas, which can be correctly interpreted by others		A range of feasible design ideas are developed and annotated which can be interpreted by others.	5
Strand iii: present the chosen design and justify its selection		The chosen design is presented with reference to the design specification	5
Strand iv: develop accurate and detailed planning drawings/diagrams and outline the requirements for the creation of the chosen solution		Accurate planning drawings are developed and lists of requirements for the chosen solution developed	7
Overall criterion level	6	What aspects of the work made it difficult to arrive at a level? How did you compensate in "best fit"?	

Criterion C: Creating the solution		Explanatory commentary: what in this work characterizes it at the achievement level?	Level by strand
Strand i: construct a logical plan, which describes the efficient use of time and resources, sufficient for peers to be able to follow to create the solution		A logical plan has been constructed which considers time and resources, sufficient for peers to follow.	6
Strand ii: demonstrate excellent technical skills when making the solution		The student has demonstrated satisfactory technical skills when using the laser cutter and sanding the blocks down to the correct size.	3
Strand iii: follow the plan to create the solution, which functions as intended		The plan has been followed to create the solution, which functions as intended and is presented appropriately	6
Strand iv: fully justify changes made to the chosen design and plan when making the solution		Some changes have been described but are not fully justified in detail	6
Overall criterion level	6	What aspects of the work made it difficult to arrive at a level? How did you compensate in “best fit”? The student was awarded a level 3 for strand ii but it was felt that the overall criterion demonstrated the higher level and was therefore was awarded the 6.	

Criterion D: Evaluating		Explanatory commentary: what in this work characterizes it at the achievement level?	Level by strand
Strand i: design detailed and relevant testing methods, which generate data, to measure the success of the solution		Relevant testing methods have been undertaken, which have generated data to measure the success of the solution	6
Strand ii: critically evaluate the success of the solution against the design specification		Based on the relevant product testing the success of the solution is explained, but not critically, against the design specification	5
Strand iii: explain how the solution could be improved		Improvements to the solution are described in some detail	7
Strand iv: explain the impact of the solution on the client/target audience		The impact of the product on the client/target audience is explained in some detail	8
Overall criterion level	7	What aspects of the work made it difficult to arrive at a level? How did you compensate in “best fit”?	