5A	Needs identification	Research planning	Inspiration analysed	Design brief
1-2	states the need for a solution to a problem for a specified client/target audience			develops a basic design brief, which states the findings of relevant research.
3-4	outlines the need for a solution to a problem for a specified client/target audience	outlines a research plan, which identifies primary and secondary research needed to develop a solution to the problem, with some guidance	analyses one existing product that inspires a solution to the problem	develops a design brief, which outlines the analysis of relevant research.
5-6	explains the need for a solution to a problem for a specified client/target audience	constructs a research plan, which identifies and prioritizes primary and secondary research needed to develop a solution to the problem, with some guidance	analyses a range of existing products that inspire a solution to the problem	develops a design brief, which explains the analysis of relevant research.
7-8	explains and justifies the need for a solution to a problem for a client/ target audience	constructs a detailed research plan, which identifies and prioritizes the primary and secondary research needed to develop a solution to the problem independently	analyses a range of existing products that inspire a solution to the problem in detail	develops a detailed design brief, which summarizes the analysis of relevant research.

5B	Design specification	Design options presented	Design selection rationale	Design elaboration
1-2	lists some basic design specifications for the design of a solution	presents one design, which can be interpreted by others		creates incomplete planning drawings/diagrams.
3-4	lists some design specifications, which relate to the success criteria for the design of a solution	presents a few feasible designs, using an appropriate medium(s) or annotation, which can be interpreted by others	justifies the selection of the chosen design with reference to the design specification	creates planning drawings/diagrams or lists requirements for the creation of the chosen solution.
5-6	develops design specifications, which outline the success criteria for the design of a solution	develops a range of feasible design ideas, using an appropriate medium(s) and annotation, which can be interpreted by others	presents the chosen design and justifies its selection with reference to the design specification	develops accurate planning drawings/diagrams and lists requirements for the creation of the chosen solution.
7-8	develops detailed design specifications, which explain the success criteria for the design of a solution based on the analysis of the research	develops a range of feasible design ideas, using an appropriate medium(s) and detailed annotation, which can be correctly interpreted by others	presents the chosen design and justifies fully and critically its selection with detailed reference to the design specification	develops accurate and detailed planning drawings/diagrams and outlines requirements for the creation of the chosen solution.

5C	Time and resource planning	Technical skills	Functionality and presentation	Changes justified *
1-2		demonstrates **minimal** technical skills when making the solution	creates the solution, which **functions poorly** and is presented in an incomplete form	
3-4	constructs a plan that contains some production details, resulting in peers having difficulty following the plan	demonstrates **satisfactory** technical skills when making the solution	creates the solution, which **partially functions** and is **adequately presented**	**outlines** changes made to the chosen design or plan when making the solution.
5-6	constructs a plan, which considers time and resources, sufficient for peers to be able to follow to create the solution	demonstrates **competent** technical skills when making the solution	creates the solution, which **functions as intended** and is **presented appropriately**	**describes** changes made to the chosen design and plan when making the solution.
7-8	constructs a detailed and logical plan, which describes the efficient use of time and resources, sufficient for peers to be able to follow to create the solution	demonstrates **excellent** technical skills when making the solution	follows the plan to create the solution, which functions as intended and is presented appropriately	**fully justifies** changes made to the chosen design and plan when making the solution.

* use of time/resource constraints as a justification for changes made in Strand 4 should limit the achievement in Strand 1 to a maximum of 5 as it is indicative of a planning failure.

5D	Testing methods	Success of the solution	Improvements possible	Impact
1-2	designs a testing method, which is used to measure the success of the solution	states the success of the solution.		
3-4	designs a relevant testing method, which generates data, to measure the success of the solution	outlines the success of the solution against the design specification based on relevant product testing	outlines how the solution could be improved	outlines the impact of the solution on the client/target audience
5-6	designs relevant testing methods, which generate data, to measure the success of the solution	explains the success of the solution against the design specification based on relevant product testing	describes how the solution could be improved	explains the impact of the solution on the client/target audience, with guidance.
7-8	designs detailed and relevant testing methods, which generate data, to measure the success of the solution	critically evaluates the success of the solution against the design specification based on authentic product testing	explains how the solution could be improved	explains the impact of the product on the client/target audience