

Objective A: Inquiring and analysing

- i. explain and justify the need for a solution to a problem
- ii. state and prioritize the main points of research needed to develop a solution to the problem
- iii. describe the main features of an existing product that inspires a solution to the problem
- iv. present the main findings of relevant research.

Objective B: Developing ideas

- i. develop a list of success criteria for the solution
- ii. present feasible design ideas, which can be correctly interpreted by others
- iii. present the chosen design
- iv. create a planning drawing/diagram, which outlines the main details for making the chosen solution.

Objective C: Creating the solution

- i. outline a plan, which considers the use of resources and time, sufficient for peers to be able to follow to create the solution
- ii. demonstrate excellent technical skills when making the solution
- iii. follow the plan to create the solution, which functions as intended
- iv. list the changes made to the chosen design and plan when making the solution.

Objective D: Evaluating

- i. outline simple, relevant testing methods, which generate data, to measure the success of the solution
- ii. outline the success of the solution against the design specification
- iii. outline how the solution could be improved
- iv. outline the impact of the solution on the client/target audience.

Design Year 1 Summative Assessment Criteria Rubric

Level	Criteria A: Inquiring and analysing	Criteria B: Developing Ideas	Criteria C: Creating the Solution	Criteria D: Evaluating
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1-2	<ul style="list-style-type: none"> i. states the need for a solution to the problem ii. states finding of the research. 	<ul style="list-style-type: none"> i. states one basic success criteria for a solution ii. presents one design idea, which can be interpreted by others iii. creates an incomplete planning drawing/diagram. 	<ul style="list-style-type: none"> i demonstrates minimal technical skills when making the solution. ii. creates the solution, which functions poorly and is presented in an incomplete form. 	<ul style="list-style-type: none"> i. defines a testing method, which is used to measure the success of the solution ii. states the success of the solution.
3-4	<ul style="list-style-type: none"> i. Outlines the need for a solution to a problem ii. states some points of research needed to develop a solution with some guidance iii. states the main features of an existing product that inspires a solution to the problem. iv. outlines some of the main findings of research 	<ul style="list-style-type: none"> i. states a few success criteria for a solution ii. presents more than one design idea, using an appropriate medium or labels key features, which can be interpreted by others. iii. states the key features of the chosen design iv. creates a planning drawing/diagram and lists the requirements for the creation of the chosen solution. 	<ul style="list-style-type: none"> i. lists the main steps in a plan that contains some detail, resulting in peers having difficulty following the plan to create the solution. ii. demonstrates satisfactory technical skills when creating the solution iii. creates the solution, which partially functions and is adequately presented. iv. states one change made to the chosen design or plan when making the solution. 	<ul style="list-style-type: none"> i. defines a relevant testing method, which generates data, to measure the success of the solution ii. states the success of the solution against the design specification based on the results of one relevant test iii. states one way in which the solution can be improved iv. states one way in which the design can impact the client/target audience.
5-6	<ul style="list-style-type: none"> i. explains the need for a solution to the problem ii. states and prioritizes the main points of research needed to develop a solution with some guidance iii. outlines the main features of an existing product that inspires a solution to the problem. iv. outlines the main findings of relevant research. 	<ul style="list-style-type: none"> i. develops a few success criteria for a solution ii. presents a few feasible design idea, using an appropriate medium or labels key features, which can be interpreted by others. iii. presents the chosen design stating the key features iv. creates a planning drawing/diagram and lists the main details for the creation of the chosen solution. 	<ul style="list-style-type: none"> i. lists the main steps in a plan which considers time and resources, resulting in peers being able to follow the plan to create the solution. ii. demonstrates competent technical skills when creating the solution iii. creates the solution, which functions as intended and is presented appropriately iv. states on change made to the chosen design and plan when making the solution. 	<ul style="list-style-type: none"> i. defines relevant testing methods, which generates data, to measure the success of the solution ii. states the success of the solution against the design specification based on relevant product testing iii.outlines one way in which the solution can be improved iv. outlines the impact of the solution on the client/target audience, with guidance.

7-8	<p>i. explains and justifies the need for a solution to the problem</p> <p>ii. states and prioritizes the main points of research needed to develop a solution with minimal guidance</p> <p>iii. describes the main features of an existing product that inspires a solution to the problem.</p> <p>iv. presents the main findings of relevant research.</p>	<p>i. develops a list of success criteria for a solution</p> <p>ii. presents feasible design idea, using an appropriate medium or labels key features, which can be interpreted by others.</p> <p>iii. presents the chosen design stating the key features</p> <p>iv. creates a planning drawing/diagram which outlines the main details for the making the chosen solution.</p>	<p>i. outlines a plan which considers time and resources, sufficient for peers being able to follow the plan to create the solution.</p> <p>ii. demonstrates excellent technical skills when creating the solution</p> <p>iii. follows the plan to create the solution, which functions as intended and is presented appropriately</p> <p>iv. lists the changes made to the chosen design and plan when making the solution.</p>	<p>i. outlines simple relevant testing methods, which generates data, to measure the success of the solution</p> <p>ii. states the success of the solution against the design specification based on authentic product testing</p> <p>iii. outlines how the solution can be improved</p> <p>iv. outlines the impact of the solution on the client/target audience.</p>