

Objective A: Inquiring and analysing

- i. explain and justify the need for a solution to a problem
- ii. construct a research plan, which states and prioritizes the primary and secondary research needed to develop a solution to the problem
- iii. analyse a group of similar products that inspire a solution to the problem
- iv. develop a design brief, which presents the analysis of relevant research

Objective B: Developing ideas

- i. develop a design specification, which outlines the success criteria for the design of a solution based on the data collected
- ii. present a range of feasible design ideas, which can be correctly interpreted by others
- iii. present the chosen design and outline the reasons for its selection
- iv. develop accurate planning drawings/diagrams and outline requirements for the creation of the chosen solution.

Objective C: Creating the solution

- i. construct a logical plan, which outlines the efficient use of time and resources, 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. explain changes made to the chosen design and plan when making the solution

Objective D: Evaluating

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

Design Year 3 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	i. states the need for a solution to a problem ii. states some of the main findings of the relevant research	i. lists a few basic success criteria for a solution ii. presents one design idea, which can be interpreted by others iii. creates incomplete planning drawing/diagram.	i demonstrates minimal technical skills when making the solution. ii. creates the solution, which functions poorly and is presented in an incomplete form	i.describes a testing method, which is used to measure the success of the solution ii. states the success of the solution
3-4	i. Outlines the need for a solution to a problem ii. states the research needed to develop a solution with some guidance iii. outlines one existing product that inspires a solution to the problem. iv. develops a design brief, which outlines some of the main findings of research	i. constructs a list of the success criteria for the design of a solution ii. presents a few feasible design ideas, using an appropriate medium or labels key features, which can be interpreted by others. iii. outlines the main reasons for its selection with reference to the design specifications iv. creates planning drawing/diagram and lists the requirements and lists requirements for the chosen solution.	i. outlines each step 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 making the solution iii. creates the solution, which partially functions and is adequately presented. iv. outlines changes made to the chosen design or plan when making the solution. .	i. defines a relevant testing method, which generates data, to measure the success of the solution ii. outlines the success of the solution against the design specification based on the results of relevant product testing iii. lists the ways in which the solution can be improved iv. outlines the impact of the solution on the client/target audience
5-6	i. explains the need for a solution to the problem ii. construct a research plan, which states and prioritizes the primary and secondary research needed to develop a solution with some guidance iii. describe a group of similar products that inspires a solution to the problem.	i. develops design specifications, which identify the success criteria for the design of the solution ii. presents a range of feasible design ideas, using an appropriate medium or labels key features, which can be interpreted by others. iii. presents the chosen design and outlines the main reasons	i. constructs 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	i. describes relevant testing methods, which generates data, to measure the success of the solution ii. explains the success of the solution against the design specification based on relevant product testing iii. describe how the solution can be improved iv. describes the impact of the solution on the client/target audience, with guidance

	iv. develops a design brief, outlines the main findings of relevant research	for its selection with reference to the design specifications iv. develops accurate planning drawing/diagram and lists the requirements for the creation of the chosen solution.	iv. outlines changes made to the chosen design and plan when making the solution.	
7-8	i. explains and justifies the need for a solution to the problem ii. constructs a research plan, which states and prioritizes the primary and secondary research needed to develop a solution independently iii. analyse a group of similar products that inspires a solution to the problem. iv. develop a design brief, which presents the analysis of relevant research	i. develops a design specification, which outlines the success criteria for the design of the solution based on the data collected ii. presents a range of feasible design idea, using an appropriate medium and annotations, which can be correctly interpreted by others. iii. presents the chosen design and outlines the reasons for its selection with reference to the design specifications iv. develops accurate planning drawing/diagram and outlines the requirements for the creation of the chosen solution.	i. constructs a logical plan, which outlines a plan which considers time and resources, sufficient for peers being able to follow the plan to create the solution. ii. demonstrates excellent technical skills when making the solution iii. follows the plan to create the solution, which functions as intended and is presented appropriately iv. explains changes made to the chosen design and plan when making the solution.	i. describes detailed and relevant testing methods, which generates data, to measure the success of the solution ii. explains the success of the solution against the design specification based on authentic product testing iii. describes how the solution can be improved iv. describes the impact of the solution on the client/target audience.