

Design - Year One (used with 6th grade)

AL	Design - Criterion A: Inquiring and analysing
0	The student does not reach a standard described by any of the descriptors below.
1 - 2	i. states the need for a solution to a problem ii. states the findings of research.
3 - 4	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.
5 - 6	i. explains the need for a solution to a problem ii. states and prioritizes the main points of research needed to develop a solution to the problem, 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 research.
7 - 8	i. explains and justifies the need for a solution to a problem ii. states and prioritizes the main points of research needed to develop a solution to the problem, with minimal guidance iii. describes the main features of an existing product that inspires a solution to the problem iv. presents the main findings of research.

AL	Design - Criterion B: Developing ideas
0	The student does not reach a standard described by any of the descriptors below.
1 - 2	i. states one basic success criterion for a solution ii. presents one design idea, which can be interpreted by others iii. creates an incomplete planning drawing/diagram.
3 - 4	i. states a few success criteria for the solution ii. presents more than one design idea, using an appropriate medium(s) 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 or lists requirements for the creation of the chosen solution.
5 - 6	i. develops a few success criteria for the solution ii. presents a few feasible design ideas, using an appropriate medium(s) and 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.
7 - 8	i. develops a list of success criteria for the solution ii. presents feasible design ideas, using an appropriate medium(s) and outlines the key features, which can be correctly interpreted by others iii. presents the chosen design describing the key features iv. creates a planning drawing/diagram which outlines the main details for making the chosen solution.

AL	Design - Criterion C: Creating the solution
0	The student does not reach a standard described by any of the descriptors below.
1 - 2	i. demonstrates minimal technical skills when making the solution ii. creates the solution, which functions poorly and is presented in an incomplete form .
3 - 4	i. lists the main steps in a plan that contains some details; 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. states one change made to the chosen design or plan when making the solution.
5 - 6	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 making the solution iii. creates the solution, which functions as intended and is presented appropriately iv. states one change made to the chosen design and plan when making the solution.
7 - 8	i. outlines a plan, which considers the use of resources and time, sufficient for peers to be able to follow 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. lists the changes made to the chosen design and plan when making the solution.

AL	Design - Criterion D: Evaluating
0	The student does not reach a standard described by any of the descriptors below.
1 - 2	i. defines a testing method, which is used to measure the success of the solution ii. states the success of the solution.
3 - 4	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 could be improved iv. states one way in which the solution can impact the client/target audience.
5 - 6	i. defines relevant testing methods , which generate 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 could be improved iv. outlines the impact of the solution on the client/target audience, with guidance .
7 - 8	i. outlines simple, relevant testing methods, which generate data, to measure the success of the solution ii. outlines the success of the solution against the design specification based on authentic product testing iii. outlines how the solution could be improved iv. outlines the impact of the solution on the client/target audience.