

Design - Year Three (MYP Year 3 and 2nd Semester of Year 2)

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 some of the main findings of relevant research.
3 - 4	i. outlines the need for a solution to a problem ii. states the research needed to develop a solution to the problem, with some guidance iii. outlines one existing product that inspires a solution to the problem iv. develops a basic design brief, which outlines some of relevant research.
5 - 6	i. explains the need for a solution to a problem ii. constructs a research plan, which states and prioritizes the primary and secondary research needed to develop a solution to the problem, with some guidance iii. describes a group of similar products that inspire a solution to the problem iv. develops a design brief, which outlines the findings relevant research.
7 - 8	i. explains and justifies the need for a solution to a problem ii. constructs a research plan, which states and prioritizes the primary and secondary research needed to develop a solution to the problem independently iii. analyses a group of similar products that inspire a solution to the problem iv. develops a design brief, which presents the analysis of relevant 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. lists a few basic success criterion for the design of a solution ii. presents one design idea, which can be interpreted by others iii. creates incomplete planning drawings/diagrams.
3 - 4	i. constructs a list of the success criteria for the solution ii. presents a few feasible design ideas, using an appropriate medium(s) or explains key features, which can be interpreted by others iii. outlines the main reasons for choosing the design with reference to the design specification iv. creates planning drawings/diagrams or lists requirements for the chosen solution.
5 - 6	i. develops design specifications, which identify the success criteria for the design of a solution ii. presents a range of feasible design ideas, using an appropriate medium(s) and explains key features, which can be interpreted by others iii. presents the chosen design and outlines the main reasons for its selection with reference to the design specification iv. develops accurate planning drawings/diagrams and lists requirements for the creation of the chosen solution.
7 - 8	i. develops design specifications which outlines the success criteria for the design of a solution based on the data collected ii. presents a range of feasible design ideas, using an appropriate medium(s) and annotation , which can be correctly interpreted by others iii. presents the chosen design and outlines the reasons for its selection with reference to the design specification iv. develops accurate planning drawings/diagrams and outlines requirements for the creation of 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. outlines each step 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 changes made to the chosen design or plan when making the solution.
5 - 6	i. constructs a plan, which considers time and resources, sufficient 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. outlines changes made to the chosen design and plan when making the solution.
7 - 8	i. constructs 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. 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.

AL	Design - Criterion D: Evaluating
0	The student does not reach a standard described by any of the descriptors below.
1 - 2	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. describes 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 relevant product testing iii. lists the ways in which the solution could be improved iv. outlines the impact of the solution on the client/target audience.
5 - 6	i. describes relevant testing methods , which generate data, to measure the success of the solution ii. describes the success of the solution against the design specification based on relevant product testing iii. outlines how the solution could be improved iv. describes the impact of the solution on the client/target audience, with guidance .
7 - 8	i. describes detailed and relevant testing methods , which generate accurate 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 could be improved iv. describes the impact of the solution on the client/target audience.