

## Design - Year One (MYP Year 1 and 1<sup>st</sup> Semester of Year 2)

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

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

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

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