**Design – MYP Year 1**

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| **Level** | **Criterion A:****Inquiring and Analysing** | **Criterion B:****Developing Ideas** | **Criterion C:****Creating the Solution** | **Criterion D:****Evaluating** |
| **0** | The student does not reach a standard described by any of the descriptors below. | The student does not reach a standard described by any of the descriptors below. | The student does not reach a standard described by any of the descriptors below. | The student does not reach a standard described by any of the descriptors below. |
| **1-2** | The student: | The student: | The student: | The student: |
| i. **states** the need for a solution to a problem | i. **states one** basic success criterion for a solution | i. **demonstrates** **minimal** technical skills when making the solution | i. **defines** a testing method, which is used to measure the success of the solution |
| ii. **states** the findings of research | ii. **presents one** design idea, which can be interpreted by others | ii. **creates** the solution, which functions **poorly** and is presented **in an incomplete form** | ii. **states** the success of the solution |
| iii. **creates** an incomplete planning drawing/diagram |
| **3-4** | The student: | The student: | The student: | The student: |
| i. **outlines** the need for a solution to a problem | i. **states a few** success criteria for the solution | i. **lists** the main steps in a plan that contains some details, resulting in peers having difficulty following the plan to create the solution | i. **defines** a **relevant** testing **method**, which generates data, to measure the success of the solution |
| ii. **states some** points of research needed to **develop** a solution, **with some guidance** | ii. **presents more than one** design idea, using an appropriate medium(s) or labels key features, which can be interpreted by others | ii. **demonstrates satisfactory** technical skills when making the solution | ii. **states** the success of the solution against the design specification based on the results of **one relevant** test |
| iii. **states** the main features of an existing product that inspires a solution to the problem | iii. **states** the key features of the chosen design | iii. **creates** the solution, which **partially** functions and is **adequately** presented | iii. **states one way** in which the solution could be improved |
| iv. **outlines some of** the main findings of research | iv. **creates** a planning drawing/diagram or **lists** requirements for the creation of the chosen solution | iv. **states one change** made to the chosen design **or** plan when making the solution | iv. **states one way** in which the solution can impact the client/target audience |
| **5-6** | The student: | The student: | The student: | The student: |
| i. **explains** the need for a solution to a problem | i. **develops a few** success criteria for the solution | i. **lists** the steps in a plan, which **considers** time and resources, resulting in peers being able to follow the plan to create the solution | i. **defines relevant** testing **methods**, which generate data, to measure the success of the solution |
| ii. **states** and **prioritizes** the main points of research needed to **develop** a solution to the problem, **with some guidance** | ii. **presents a few** feasible design ideas, using an appropriate medium(s) or labels key features, which can be interpreted by others  | ii. **demonstrates competent** technical skills when making the solution | ii. **states** the success of the solution against the design specification based on **relevant** product testing |
| iii. **outlines** the main features of an existing product that inspires a solution to the problem | iii. **presents** the chosen design **stating** the key features | iii. **creates** the solution, which functions **as intended** and is presented **appropriately** | iii. **outlines one way** in which the solution could be improved |
| iv. **outlines** the main findings of relevant research | iv. **creates** a planning/drawing diagram that **lists** the main details for the creation of the chosen solution | iv. **states one change** made to the chosen design **and** plan when making the solution | iv. **outlines** the impact of the solution on the client/target audience, **with guidance** |
| **7-8** | The student: | The student: | The student: | The student: |
| i. **explains** and **justifies** the need for solution to a problem | i. **develop a list of** success criteria for the solution | i. **outlines** a plan, which **considers** the use of resources and time, sufficient for peer to be able to follow to create the solution | i. **outlines simple, relevant** testing methods, which generates data, to measure the success of the solution |
| ii. **states** and **prioritizes** the main points of research needed to **develop** a solution to the problem, **with minimal guidance** | ii. **presents** feasible design ideas, using an appropriate medium(s) and outlines the key features, which can be correctly interpreted by others  | ii. **demonstrates excellent** technical skills when making the solution | ii. **outlines** the success of the solution against the design specification based on **authentic** product testing  |
| iii. **describes** the main features of an existing product that inspires a solution to the problem | iii. **presents** the chosen design **describing** the key features  | iii. follows the plan to **create** the solution, which functions as **intended** and is presented **appropriately** | iii. **outlines** how the solution could be improved |
| iv. **presents** the main findings of relevant research | iv. **creates** a planning drawing/diagram, which **outlines** the main details for making the chosen solution | iv. **lists the changes** made to the chosen design and plan when making the solution | iv. **outlines** the impact of the solution on the client/target audience |