

Year 1

Below are the Criterion and strands which you will be assessed upon throughout the year in MYP Design.

Criterion A: Inquiring and Analysing

Marking Strand 1: Justify the Need for a Solution

Grade	Notes
7 - 8	Explains and Justifies the need for a solution to a problem
5 - 6	Explains the need for a solution to a problem
3 - 4	Outlines the need for a solution to a problem
1 - 2	States the need for a solution to a problem

Marking Strand 2: Identify and Prioritise Research

Grade	Notes
7 - 8	States and prioritizes the main points of research needed to develop a solution to the problem with minimal guidance .
5 - 6	States and prioritizes the main points of research needed to develop a solution to the problem with some guidance
3 - 4	States some points of research needed to develop a solution, with some guidance .
1 - 2	N/A

Marking Strand 3: Analyse Existing Products

Grade	Notes
7 - 8	Describes the main features of an existing product that inspires a solution to the problem
5 - 6	Outlines the main features of an existing product that inspires a solution to the problem
3 - 4	States the main features of an existing product that inspires a solution to the problem
1 - 2	N/A

Marking Strand 4: Summarise the Analysis of Research

Grade	Notes
7 - 8	Presents the main findings of relevant research.
5 - 6	Outlines the main findings of relevant research.
3 - 4	Outlines some of the main findings of research.
1 - 2	States the findings of research

Criterion B: Developing Ideas

Marking Strand 1: Develop a Design Specification

Grade	Notes
7 - 8	Develops a list of success criteria for the solution.
5 - 6	Develops a few success criteria for the solution.
3 - 4	States a few success criteria for the solution.
1 - 2	States one basic success criterion for a solution.

Marking Strand 2: Develop Design Ideas

Grade	Notes
7 - 8	Presents feasible design ideas using an appropriate medium(s), and outlines the key features and can be correctly interpreted by others.
5 - 6	Presents a few feasible design ideas using an appropriate medium(s) and labels key features which can be interpreted by others.
3 - 4	Presents more than one design idea using an appropriate medium(s) or labels key features which can be interpreted by others.
1 - 2	Presents one design idea which can be interpreted by others.

Marking Strand 3: Present the Chosen Design

Grade	Notes
7 - 8	Presents the chosen design describing the key features.
5 - 6	Presents the chosen design stating the key features.
3 - 4	States the key features of the chosen solution.
1 - 2	N/A

Marking Strand 4: Develop Planning Drawings / Diagrams

Grade	Notes
7 - 8	Creates a planning drawing/diagram which outlines the main details for making the chosen solution.
5 - 6	Creates a planning drawing/ diagram and lists the main details for the creation of the chosen solution.
3 - 4	Creates planning drawings/ diagrams or lists requirements for the creation of the chosen solution.
1 - 2	Creates an incomplete planning drawing/diagram.

Criterion C: Creating the Solution

Marking Strand 1: Construct a Logical Plan

Grade	Notes
7 - 8	Outlines a plan, which considers the use of resources and time, sufficient for peers to be able to follow to create the solution
5 - 6	Lists the steps in a plan which considers time and resources, resulting in peers being able to follow the plan to create the solution.
3 - 4	Lists the main steps in a plan that contains some details, resulting in peers having difficulty following the plan to create the solution
1 - 2	N/A

Marking Strand 2: Demonstrate Technical Skills

Grade	Notes
7 - 8	Demonstrates excellent technical skills when making the solution.
5 - 6	Demonstrates competent technical skills when making the solution.
3 - 4	Demonstrates satisfactory technical skills when making the solution.
1 - 2	Demonstrates minimal technical skills when making the solution

Marking Strand 3: Follow the Plan to Make the Solution

Grade	Notes
7 - 8	Follows the plan to create the solution, which functions as intended and is presented appropriately
5 - 6	Creates the solution, which functions as intended and is presented appropriately
3 - 4	Creates the solution, which partially functions and is adequately presented
1 - 2	Creates the solution, which functions poorly and is presented in an incomplete form

Marking Strand 4: Justify Changes Made to the Design

Grade	Notes
7 - 8	Lists the changes made to the chosen design plan when making the solution.
5 - 6	States one change made to the chosen design and plan when making the solution.
3 - 4	States one change made to the chosen design or plan when making the solution.
1 - 2	N/A

Criterion D: Evaluation

Marking Strand 1: Design Testing Methods

Grade	Notes
7 - 8	Outlines simple, relevant testing methods, which generate data, to measure the success of the solution.
5 - 6	Defines relevant testing methods , which generate data, to measure the success of the solution.
3 - 4	Defines a relevant testing method , which generates data, to measure the success of the solution.
1 - 2	Defines a testing method, which is used to measure the success of the solution.

Marking Strand 2: Evaluate the Success of the Solution

Grade	Notes
7 - 8	Outlines the success of the solution against the design specification based on authentic product testing
5 - 6	States the success of the solution against the design specification based on relevant product testing
3 - 4	States the success of the solution against the design specification based on the results of one relevant test
1 - 2	States the success of the solution.

Marking Strand 3: Explain how the solution can be Improved

Grade	Notes
7 - 8	Outlines how the solution could be improved.
5 - 6	Outlines one way in which the solution could be improved.
3 - 4	States one way in which the solution could be improved.
1 - 2	N/A

Marking Strand 4: Explain the Impact of the Solution

Grade	Notes
7 - 8	Outlines the impact of the solution on the client/target market.
5 - 6	Outlines the impact of the solution on the client/target market with guidance .
3 - 4	States one way in which the solution can impact the client/target market.
1 - 2	N/A

Year 2

Below are the Criterion and strands which you will be assessed upon throughout the year in MYP Design.

Criterion A: Inquiring and Analysing

Marking Strand 1: Justify the Need for a Solution

Grade	Notes
7 - 8	Explains and justifies the need for a solution.
5 - 6	Explains the need for a solution.
3 - 4	Outlines the need for a solution.
1 - 2	States the need for a solution.

Marking Strand 2: Identify and Prioritise Research

Grade	Notes
7 - 8	States and prioritizes the main points of research needed to develop a solution to the problem independently .
5 - 6	States and prioritizes the main points of research needed to develop a solution to the problem with some guidance .
3 - 4	States the main points of research needed to develop a solution with some guidance .
1 - 2	N/A

Marking Strand 3: Analyse Existing Products

Grade	Notes
7 - 8	Describes a group of similar existing products that inspire a solution to the problem.
5 - 6	Outlines the features of a group of existing products that inspire a solution to the problem.
3 - 4	Outlines the features of one existing product that inspires a solution to the problem.
1 - 2	N/A

Marking Strand 4: Summarise the Analysis of Research

Grade	Notes
7 - 8	Presents the main findings of relevant research.
5 - 6	Outlines the main findings of relevant research.
3 - 4	Outlines some of the main findings of research.
1 - 2	States the findings of research

Criterion B: Developing Ideas

Marking Strand 1: Develop a Design Specification

Grade	Notes
7 - 8	Develops a list of the success criteria for the solution based on data collected .
5 - 6	Creates a comprehensive list of the success criteria for the solution.
3 - 4	States a few success criteria for the solution.
1 - 2	States one basic success criteria for a solution.

Marking Strand 2: Develop Design Ideas

Grade	Notes
7 - 8	Presents a range of feasible design ideas using an appropriate medium(s), outlines features and can be correctly interpreted by others.
5 - 6	Presents a range of feasible design ideas using an appropriate medium(s) and outlines key features which can be interpreted by others.
3 - 4	Presents a few feasible design ideas using an appropriate medium(s) or outlines key features which can be interpreted by others.
1 - 2	Presents one design ideas which can be interpreted by others.

Marking Strand 3: Present the Chosen Design

Grade	Notes
7 - 8	Presents the chosen design and outlines the key features of the final chosen design in relation to the design specification.
5 - 6	Presents the chosen design and outlines the key features of the chosen design in relation to design specification.
3 - 4	Outlines the key features of the chosen design in relation to the design specification.
1 - 2	N/A

Marking Strand 4: Develop Planning Drawings / Diagrams

Grade	Notes
7 - 8	Creates an accurate planning drawing/ diagram which outlines the main details for making the chosen solution.
5 - 6	Creates an accurate planning drawing/ diagram and lists the main details for the creation of the chosen solution.
3 - 4	Creates planning drawings/diagrams or lists requirements for the creation of the chosen solution.
1 - 2	Creates incomplete working drawings/ diagrams .

Criterion C: Creating the Solution

Marking Strand 1: Construct a Logical Plan

Grade	Notes
7 - 8	Outlines a logical plan , which considers the effective use of resources and time , sufficient for peers to be able to follow the plan to create the solution.
5 - 6	Outlines each step in a plan, which considers time and resources , resulting in peers being able to follow the plan to create the solution.
3 - 4	Outlines the main steps in a plan that contains some details, resulting in peers having difficulty following the plan to create the solution.
1 - 2	N/A

Marking Strand 2: Demonstrate Technical Skills

Grade	Notes
7 - 8	The student demonstrates excellent technical skills when making the product/solution.
5 - 6	The student demonstrates competent technical skills when making the product/solution.
3 - 4	The student demonstrates satisfactory technical skills when making the product/solution.
1 - 2	The student demonstrates minimal technical skills when making the product/solution.

Marking Strand 3: Follow the Plan to Make the Solution

Grade	Notes
7 - 8	The student follows the plan to make the solution, which functions as intended and is presented appropriately .
5 - 6	The student makes the solution, which functions as intended and is presented appropriately .
3 - 4	The student makes the solution, which partially functions as intended and is adequately presented .
1 - 2	The student makes the solution, which functions poorly and is presented in an incomplete form .

Marking Strand 4: Justify Changes Made to the Design

Grade	Notes
7 - 8	Outlines changes made to the chosen design and the plan when making the solution.
5 - 6	Lists the changes made to the chosen design and plan when making the solution.
3 - 4	Lists the changes made to the final design or plan when making the solution.
1 - 2	N/A

Criterion D: Evaluation

Marking Strand 1: Design Testing Methods

Grade	Notes
7 - 8	Describes simple, relevant testing methods, which accurate generate data, to measure the success of the solution.
5 - 6	Outlines relevant testing methods, which generate data, to measure the success of the solution.
3 - 4	Outlines a relevant testing method, which generates data, to measure the success of the solution.
1 - 2	Outlines a testing method, which is used to measure the success of the solution.

Marking Strand 2: Evaluate the Success of the Solution

Grade	Notes
7 - 8	Describes the success of the solution against the requirements of the design specification based on authentic product testing.
5 - 6	Outlines the success of the solution against the requirements of the design specification based on relevant product testing.
3 - 4	States the success of the solution against the requirements of the design specification based on relevant product testing.
1 - 2	States the success of the product / solution.

Marking Strand 3: Explain how the solution can be Improved

Grade	Notes
7 - 8	The student describes how the solution could be improved.
5 - 6	The student outlines how the solution could be improved.
3 - 4	The student lists the ways in which the solution could be improved.
1 - 2	N/A

Marking Strand 4: Explain the Impact of the Solution

Grade	Notes
7 - 8	The student describes the impact of the product / solution on the client / target market.
5 - 6	The student describes the impact of the product / solution on the client / target market, with guidance .
3 - 4	The student lists the ways in which the solution can impact the client / target market.
1 - 2	N/A

Year 3

Below are the Criterion and strands which you will be assessed upon throughout the year in MYP Design.

Criterion A: Inquiring and Analysing

Marking Strand 1: Justify the Need for a Solution

Grade	Notes
7 - 8	The student explains and justifies the need for a solution to a problem
5 - 6	The student explains the need for a solution to a problem
3 - 4	The student outlines the need for a solution to a problem
1 - 2	The student states the need for a solution to a problem

Marking Strand 2: Identify and Prioritise Research

Grade	Notes
7 - 8	The student constructs a research plan, which states and prioritizes the primary and secondary research needed to develop a solution to the problem independently
5 - 6	The student constructs a research plan, which states and prioritizes the primary and secondary research needed to develop a solution to the problem, with some guidance
3 - 4	The student states the research needed to develop a solution to the problem, with some guidance
1 - 2	N/A

Marking Strand 3: Analyse Existing Products

Grade	Notes
7 - 8	The student analyses a group of similar products that inspire a solution to the problem
5 - 6	The student describes a group of similar products that inspire a solution to the problem
3 - 4	The student outlines one existing product that inspires a solution to the problem
1 - 2	N/A

Marking Strand 4: Summarise the Analysis of Research

Grade	Notes
7 - 8	The student develops a design brief, which presents the analysis of relevant research.
5 - 6	The student develops a design brief, which outlines the findings of relevant research.
3 - 4	The student develops a basic design brief, which outlines some of relevant research.
1 - 2	The student states some of the main findings of relevant research.

Criterion B: Developing Ideas

Marking Strand 1: Develop a Design Specification

Grade	Notes
7 - 8	The student develops a design specification which outlines the success criteria for the design of a solution based on the data collected
5 - 6	The student develops design specifications, which identify the success criteria for the design of a solution
3 - 4	The student constructs a list of the success criteria for the design of a solution
1 - 2	The student lists a few basic success criteria for the design of a solution

Marking Strand 2: Develop Design Ideas

Grade	Notes
7 - 8	The student presents a range of feasible design ideas using an appropriate medium(s), annotation and can be correctly interpreted by others.
5 - 6	The student presents a range of feasible design ideas, using an appropriate medium(s) and explains key features, which can be interpreted by others
3 - 4	The student presents a few feasible design ideas, using an appropriate medium(s) or explains key features, which can be interpreted by others
1 - 2	The student presents one design idea, which can be interpreted by others

Marking Strand 3: Present the Chosen Design

Grade	Notes
7 - 8	The student presents and outlines the reasons for choosing the final design with reference to the design specification.
5 - 6	The student presents the chosen design and outlines the reasons for its selection with reference to the design specification
3 - 4	The student outlines the main reasons for choosing the design with reference to the design specification
1 - 2	N/A

Marking Strand 4: Develop Planning Drawings / Diagrams

Grade	Notes
7 - 8	Develops accurate planning drawings/ diagrams and outlines requirements for the creation of the chosen solution.
5 - 6	Develops accurate planning drawings/ diagrams and lists requirements for the creation of the chosen solution.
3 - 4	Creates planning drawings/diagrams or lists requirements for the creation of the chosen solution.
1 - 2	The student creates incomplete planning drawings/diagrams.

Criterion C: Creating the Solution

Marking Strand 1: Construct a Logical Plan

Grade	Notes
7 - 8	The student constructs a logical plan, which outlines the efficient use of time and resources , sufficient for peers to be able to follow the plan to create the solution.
5 - 6	The student constructs a plan, which considers time and resources , sufficient for peers to be able to follow the plan to create the solution.
3 - 4	The student outlines each step in a plan that contains some details, resulting in peers having difficulty following the plan to create the solution.
1 - 2	N/A

Marking Strand 2: Demonstrate Technical Skills

Grade	Notes
7 - 8	The student demonstrates excellent technical skills when making the product/solution.
5 - 6	The student demonstrates competent technical skills when making the product/solution.
3 - 4	The student demonstrates satisfactory technical skills when making the product/solution.
1 - 2	The student demonstrates minimal technical skills when making the solution

Marking Strand 3: Follow the Plan to Make the Solution

Grade	Notes
7 - 8	The student follows the plan to make the solution, which functions as intended and is presented appropriately .
5 - 6	The student makes the solution, which functions as intended and is presented appropriately .
3 - 4	The student creates the solution, which partially functions and is adequately presented
1 - 2	The student creates the solution, which functions poorly and is presented in an incomplete form .

Marking Strand 4: Justify Changes Made to the Design

Grade	Notes
7 - 8	The student explains changes made to the chosen design and the plan when making the solution.
5 - 6	The student outlines changes made to the chosen design and plan when making the solution.
3 - 4	The student outlines changes made to the final design or the plan when making the solution.
1 - 2	N/A

Criterion D: Evaluation

Marking Strand 1: Design Testing Methods

Grade	Notes
7 - 8	The student describes detailed and relevant testing methods, which generate accurate data to measure the success of the solution.
5 - 6	The student describes relevant testing methods which generate data to measure the success of the solution.
3 - 4	The student describes a relevant testing method which generate data to measure the success of the solution.
1 - 2	The student describes a testing method which is used to measure the success of the solution.

Marking Strand 2: Evaluate the Success of the Solution

Grade	Notes
7 - 8	The student explains the success of the solution against the requirements of the design specifications based on authentic product testing.
5 - 6	The student describes the success of the solution against the requirements of the design specifications based on authentic product testing.
3 - 4	The student outlines the success of the product / solution against the requirements of the design specifications based on relevant product testing.
1 - 2	The student states the success of the solution.

Marking Strand 3: Explain how the solution can be Improved

Grade	Notes
7 - 8	The student describes how the solution could be improved.
5 - 6	The student outlines how the solution could be improved.
3 - 4	The student lists how the solution could be improved.
1 - 2	N/A

Marking Strand 4: Explain the Impact of the Solution

Grade	Notes
7 - 8	The student describes the impact of the solution on the client / target market.
5 - 6	The student describes the impact of the solution on the client / target market, with guidance .
3 - 4	The student outlines the impact of the solution on the client / target market.
1 - 2	N/A

Year 4

Below are the Criterion and strands which you will be assessed upon throughout the year in MYP Design.

Criterion A: Inquiring and Analysing

Marking Strand 1: Justify the Need for a Solution

Grade	Notes
7 - 8	Explains and Justifies the need for a solution to the problem for a client / end-user / target market
5 - 6	Explains the need for a solution for a specified client / end-user
3 - 4	Outlines the need for a solution for a specified client / end-user
1 - 2	States the need for a solution for a specified client / end-user

Marking Strand 2: Identify and Prioritise Research

Grade	Notes
7 - 8	Constructs a detailed research plan which identifies and prioritizes the research needed to develop a solution to the problem independently
5 - 6	Constructs a research plan which identifies and prioritizes the research needed to develop a solution to the problem with some guidance
3 - 4	Outlines a research plan which identifies the research needed to develop a solution to the problem with some guidance
1 - 2	N/A

Marking Strand 3: Analyse Existing Products

Grade	Notes
7 - 8	Analyzes a range of existing products that inspire a solution to the problem in detail
5 - 6	Analyzes a range of existing products that inspire a solution to the problem
3 - 4	Analyzes a one of existing products that inspire a solution to the problem
1 - 2	N/A

Marking Strand 4: Summarise the Analysis of Research

Grade	Notes
7 - 8	The student develops a design brief, which explains the analysis of relevant research.
5 - 6	The student develops a design brief, which presents the analysis of relevant research.
3 - 4	The student develops a design brief, which outlines the findings of relevant research.
1 - 2	The student develops a basic design brief, which outlines some of relevant research.

Criterion B: Developing Ideas

Marking Strand 1: Develop a Design Specification

Grade	Notes
7 - 8	Develops detailed design specifications which explain the success criteria for the design of a solution based on the analysis of the research
5 - 6	Develops design specifications which outline the success criteria for the design of a solution
3 - 4	Lists some design specifications which relate to the success criteria for the design of a solution
1 - 2	Lists some basic design specifications for the design of a solution

Marking Strand 2: Develop Design Ideas

Grade	Notes
7 - 8	Develops a range of feasible design ideas using appropriate medium(s) and detailed annotation, which can be correctly interpreted by others.
5 - 6	Develops a range of feasible design ideas using appropriate medium(s) and annotation, which can be interpreted by others.
3 - 4	Presents a few of feasible design ideas using appropriate medium(s) or annotation, which can be interpreted by others.
1 - 2	Presents one design ideas which can be interpreted by others.

Marking Strand 3: Present the Chosen Design

Grade	Notes
7 - 8	Presents and justifies, fully and critically , the final chosen design with detailed reference to the design specification.
5 - 6	Presents and justifies the final chosen design with reference to the design specification.
3 - 4	Justifies the final chosen design with reference to the design specification.
1 - 2	N/A

Marking Strand 4: Develop Planning Drawings / Diagrams

Grade	Notes
7 - 8	Develops accurate and detailed planning drawings / diagrams and outlines requirements for the creation of the chosen solution.
5 - 6	Develops accurate planning drawings / diagrams and lists requirements for the creation of the chosen solution.
3 - 4	Creates planning drawings / diagrams or lists requirements for the creation of the chosen solution.
1 - 2	Creates incomplete working drawings / diagrams.

Criterion C: Creating the Solution

Marking Strand 1: Construct a Logical Plan

Grade	Notes
7 - 8	The student constructs a detailed and logical plan , which describes the efficient use of time and resources , sufficient for peers to be able to follow the plan to create the solution.
5 - 6	The student constructs a logical plan , which considers time and resources , sufficient for peers to be able to follow the plan.
3 - 4	The student constructs a plan , that contains some production details , resulting in peers having difficulty following the plan.
1 - 2	N/A

Marking Strand 2: Demonstrate Technical Skills

Grade	Notes
7 - 8	The student demonstrates excellent technical skills when making the product/solution.
5 - 6	The student demonstrates competent technical skills when making the product/solution.
3 - 4	The student demonstrates satisfactory technical skills when making the product/solution.
1 - 2	The student demonstrates minimal technical skills when making the product/solution.

Marking Strand 3: Follow the Plan to Make the Solution

Grade	Notes
7 - 8	The student follows the plan to make the solution, which functions as intended and is presented appropriately .
5 - 6	The student makes the solution, which functions as intended and is presented appropriately .
3 - 4	The student makes the solution, which partially functions as intended and is adequately presented .
1 - 2	The student makes the solution, which functions poorly and is presented in an incomplete form .

Marking Strand 4: Justify Changes Made to the Design

Grade	Notes
7 - 8	The student fully justifies changes made to the chosen design and the plan when making the solution.
5 - 6	The student describes changes made to the chosen design and the plan when making the solution.
3 - 4	The student outlines changes made to the chosen design and the plan when making the solution.
1 - 2	N/A

Criterion D: Evaluation

Marking Strand 1: Design Testing Methods

Grade	Notes
7 - 8	The student designs detailed and relevant testing methods which generate accurate data to measure the success of the solution.
5 - 6	The student designs relevant testing methods which generate data to measure the success of the solution.
3 - 4	The student designs a relevant testing method which generate data to measure the success of the solution.
1 - 2	The student designs a testing method which is used to measure the success of the solution.

Marking Strand 2: Evaluate the Success of the Solution

Grade	Notes
7 - 8	The student critically evaluates the success of the product / solution against the requirements of the design specifications based on authentic product testing.
5 - 6	The student explains the success of the product / solution against the requirements of the design specifications based on relevant product testing.
3 - 4	The student outlines the success of the product / solution against the requirements of the design specifications based on relevant product testing.
1 - 2	The student states the success of the product / solution.

Marking Strand 3: Explain how the solution can be Improved

Grade	Notes
7 - 8	The student explains how the solution could be improved.
5 - 6	The student describes how the solution could be improved.
3 - 4	The student outlines how the solution could be improved.
1 - 2	N/A

Marking Strand 4: Explain the Impact of the Solution

Grade	Notes
7 - 8	The student explains the impact of the product / solution on the client / target market.
5 - 6	The student explains the impact of the product / solution on the client / target market, with guidance .
3 - 4	The student outlines the impact of the product / solution on the client / target market.
1 - 2	N/A

Year 5

Below are the Criterion and strands which you will be assessed upon throughout the year in MYP Design.

Criterion A: Inquiring and Analysing

Marking Strand 1: Justify the Need for a Solution

Grade	Notes
7 - 8	Explains and Justifies the need for a solution to the problem for a client / end-user / target market
5 - 6	Explains the need for a solution for a specified client / end-user
3 - 4	Outlines the need for a solution for a specified client / end-user
1 - 2	States the need for a solution for a specified client / end-user

Marking Strand 2: Identify and Prioritise Research

Grade	Notes
7 - 8	Constructs a detailed research plan, which identifies and prioritizes the primary and secondary research needed to develop a solution to the problem independently
5 - 6	Constructs a research plan, which identifies and prioritizes primary and secondary research needed to develop a solution to the problem, with some guidance
3 - 4	Outlines a research plan, which identifies primary and secondary research needed to develop a solution to the problem, with some guidance
1 - 2	N/A

Marking Strand 3: Analyse Existing Products

Grade	Notes
7 - 8	Analyzes a range of existing products that inspire a solution to the problem in detail
5 - 6	Analyzes a range of existing products that inspire a solution to the problem
3 - 4	Analyzes a one of existing products that inspire a solution to the problem
1 - 2	N/A

Marking Strand 4: Summarise the Analysis of Research

Grade	Notes
7 - 8	Develops a detailed design brief, which summarizes the analysis of relevant research.
5 - 6	Develops a design brief, which explains the analysis of relevant research.
3 - 4	Develops a design brief, which outlines the analysis of relevant research.
1 - 2	Develops a basic design brief, which states the findings of relevant research.

Criterion B: Developing Ideas

Marking Strand 1: Develop a Design Specification

Grade	Notes
7 - 8	Develops detailed design specifications which explain the success criteria for the design of a solution based on the analysis of the research
5 - 6	Develops design specifications which outline the success criteria for the design of a solution
3 - 4	Lists some design specifications which relate to the success criteria for the design of a solution
1 - 2	Lists some basic design specifications for the design of a solution

Marking Strand 2: Develop Design Ideas

Grade	Notes
7 - 8	Develops a range of feasible design ideas using appropriate medium(s) and detailed annotation, which can be correctly interpreted by others.
5 - 6	Develops a range of feasible design ideas using appropriate medium(s) and annotation, which can be interpreted by others.
3 - 4	Presents a few of feasible design ideas using appropriate medium(s) or annotation, which can be interpreted by others.
1 - 2	Presents one design ideas which can be interpreted by others.

Marking Strand 3: Present the Chosen Design

Grade	Notes
7 - 8	Presents and justifies, fully and critically , the final chosen design with detailed reference to the design specification.
5 - 6	Presents and justifies the final chosen design with reference to the design specification.
3 - 4	Justifies the selection of the chosen design with reference to the design specification.
1 - 2	N/A

Marking Strand 4: Develop Planning Drawings / Diagrams

Grade	Notes
7 - 8	Develops accurate and detailed planning drawings / diagrams and outlines requirements for the creation of the chosen solution.
5 - 6	Develops accurate planning drawings / diagrams and lists requirements for the creation of the chosen solution.
3 - 4	Creates planning drawings / diagrams or lists requirements for the creation of the chosen solution.
1 - 2	Creates incomplete working drawings / diagrams.

Criterion C: Creating the Solution

Marking Strand 1: Construct a Logical Plan

Grade	Notes
7 - 8	The student constructs a detailed and logical plan , which describes the efficient use of time and resources , sufficient for peers to be able to follow the plan to create the solution.
5 - 6	The student constructs a logical plan , which considers time and resources , sufficient for peers to be able to follow to create the solution.
3 - 4	The student constructs a plan , that contains some production details , resulting in peers having difficulty following the plan.
1 - 2	N/A

Marking Strand 2: Demonstrate Technical Skills

Grade	Notes
7 - 8	The student demonstrates excellent technical skills when making the product/solution.
5 - 6	The student demonstrates competent technical skills when making the product/solution.
3 - 4	The student demonstrates satisfactory technical skills when making the product/solution.
1 - 2	The student demonstrates minimal technical skills when making the product/solution.

Marking Strand 3: Follow the Plan to Make the Solution

Grade	Notes
7 - 8	The student follows the plan to make the solution, which functions as intended and is presented appropriately .
5 - 6	The student makes the solution, which functions as intended and is presented appropriately .
3 - 4	The student makes the solution, which partially functions and is adequately presented .
1 - 2	The student makes the solution, which functions poorly and is presented in an incomplete form .

Marking Strand 4: Justify Changes Made to the Design

Grade	Notes
7 - 8	The student fully justifies changes made to the chosen design and the plan when making the solution.
5 - 6	The student describes changes made to the chosen design and the plan when making the solution.
3 - 4	The student outlines changes made to the chosen design and the plan when making the solution.
1 - 2	N/A

Criterion D: Evaluation

Marking Strand 1: Design Testing Methods

Grade	Notes
7 - 8	The student designs detailed and relevant testing methods which generate data to measure the success of the solution.
5 - 6	The student designs relevant testing methods which generate data to measure the success of the solution.
3 - 4	The student designs a relevant testing method which generate data to measure the success of the solution.
1 - 2	The student designs a testing method which is used to measure the success of the solution.

Marking Strand 2: Evaluate the Success of the Solution

Grade	Notes
7 - 8	The student critically evaluates the success of the product / solution against the requirements of the design specifications based on authentic product testing.
5 - 6	The student explains the success of the product / solution against the requirements of the design specifications based on relevant product testing.
3 - 4	The student outlines the success of the product / solution against the requirements of the design specifications based on relevant product testing.
1 - 2	The student states the success of the product / solution.

Marking Strand 3: Explain how the solution can be Improved

Grade	Notes
7 - 8	The student explains how the solution could be improved.
5 - 6	The student describes how the solution could be improved.
3 - 4	The student outlines how the solution could be improved.
1 - 2	N/A

Marking Strand 4: Explain the Impact of the Solution

Grade	Notes
7 - 8	The student explains the impact of the product / solution on the client / target market.
5 - 6	The student explains the impact of the product / solution on the client / target market, with guidance .
3 - 4	The student outlines the impact of the product / solution on the client / target market.
1 - 2	N/A