

## Design – Years Two and Three

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 some of</b> the main findings of relevant research.
3 - 4	i. <b>outlines</b> the need for a solution to a problem ii. <b>states</b> the research needed to <b>develop</b> a solution to the problem, <b>with some guidance</b> iii. <b>outlines one existing</b> product that inspires a solution to the problem iv. <b>develops a basic</b> design brief, which <b>outlines some of</b> relevant research.
5 - 6	i. <b>explains</b> the need for a solution to a problem ii. <b>constructs</b> a research plan, which <b>states and prioritizes</b> the primary and secondary research needed to <b>develop</b> a solution to the problem, <b>with some guidance</b> iii. <b>describes</b> a group of similar products that inspire a solution to the problem iv. <b>develops</b> a design brief, which <b>outlines the findings</b> relevant research.
7 - 8	i. <b>explains and justifies</b> the need for a solution to a problem ii. <b>constructs</b> a research plan, which <b>states and prioritizes</b> the primary and secondary research needed to <b>develop</b> a solution to the problem <b>independently</b> iii. <b>analyses</b> a group of similar products that inspire a solution to the problem iv. <b>develops</b> a design brief, which <b>presents the analysis</b> of relevant research.

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>outlines</b> each step 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</b> changes made to the chosen design <b>or</b> plan when making the solution.
5 - 6	i. <b>constructs</b> a plan, which <b>considers</b> time and resources, sufficient 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>outlines</b> changes made to the chosen design <b>and</b> plan when making the solution.
7 - 8	i. <b>constructs a logical</b> plan, which <b>outlines</b> the efficient use of time and resources, 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>explains</b> changes made to the chosen design and plan when making the solution.

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>lists</b> a few basic success criterion for the design of a solution ii. <b>presents</b> one design idea, which can be interpreted by others iii. <b>creates</b> incomplete planning drawings/diagrams.
3 - 4	i. <b>constructs</b> a list of the success criteria for the solution ii. <b>presents a few</b> feasible design ideas, using an appropriate medium(s) <b>or</b> explains key features, which can be interpreted by others iii. <b>outlines the main</b> reasons for choosing the design with reference to the design specification iv. <b>creates</b> planning drawings/diagrams <b>or lists</b> requirements for the chosen solution.
5 - 6	i. <b>develops</b> design specifications, which <b>identify</b> the success criteria for the design of a solution ii. <b>presents a range of</b> feasible design ideas, using an appropriate medium(s) <b>and explains</b> key features, which can be interpreted by others iii. <b>presents</b> the chosen design and <b>outlines the main</b> reasons for its selection with reference to the design specification iv. <b>develops</b> accurate planning drawings/diagrams and <b>lists</b> requirements for the creation of the chosen solution.
7 - 8	i. <b>develops</b> design specifications which <b>outlines</b> the success criteria for the design of a solution based on the data collected ii. <b>presents</b> a range of feasible design ideas, using an appropriate medium(s) <b>and annotation</b> , which can be correctly interpreted by others iii. <b>presents</b> the chosen design and <b>outlines</b> the reasons for its selection with reference to the design specification iv. <b>develops</b> accurate planning drawings/diagrams and <b>outlines</b> requirements for the creation of the chosen 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>describes a</b> testing <b>method</b> , which is used to measure the success of the solution ii. <b>states</b> the success of the solution.
3 - 4	i. <b>describes a relevant</b> testing <b>method</b> , which generates data, to measure the success of the solution ii. <b>outlines</b> the success of the solution against the design specification based on the relevant product testing iii. <b>lists</b> the ways in which the solution could be improved iv. <b>outlines</b> the impact of the solution on the client/target audience.
5 - 6	i. <b>describes relevant</b> testing <b>methods</b> , which generate data, to measure the success of the solution ii. <b>describes</b> the success of the solution against the design specification based on <b>relevant</b> product testing iii. <b>outlines</b> how the solution could be improved iv. <b>describes</b> the impact of the solution on the client/target audience, <b>with guidance</b> .
7 - 8	i. <b>describes detailed and relevant</b> testing <b>methods</b> , which generate <b>accurate</b> data, to measure the success of the solution ii. <b>explains</b> the success of the solution against the design specification based on <b>authentic</b> product testing iii. <b>describes</b> how the solution could be improved iv. <b>describes</b> the impact of the solution on the client/target audience.