

	0	1 or 2	3 or 4	5 or 6
Criterion A: Investigate	The student does not reach a standard described by any of the descriptors below.	The student states the problem. The student investigates the problem, collecting information from sources. The student lists some specifications.	The student states the problem, mentioning its relevance. The student investigates the problem, selecting information from some acknowledged sources. The student mentions a test to evaluate the product/solution against the design specification.	The student describes the problem, discussing its relevance. The student investigates the problem selecting and analyzing information from a acknowledged sources. The student describes methods for appropriate testing to evaluate the product/solution against the design specification.
Criterion B: Design	The student does not reach a standard described by any of the descriptors below.	The student generates one design, and attempt to compare it against the design specification.	The student generates a few designs; compare 1 against the design specification and makes attempts to explain why they made the changes.	The student generates a range of designs; each is compared against the design specification identifying pros and cons. The student selects one and explains why they chose it.
Criterion C: Plan	The student does not reach a standard described by any of the descriptors below.	The student produces a plan that contains steps and/or the resources required.	The student produces a plan that contains a number of steps that include resources and time. The student makes some attempt to evaluate the plan.	The student produces a plan that contains a number of logical steps that show the use of resources and time. The student analyses the plan and explains the need for any modifications to the design.
Criterion D: Create	The student does not reach a standard described by any of the descriptors below.	The student considers the plan and creates at least part of a product/solution.	The student uses different techniques and equipment. The student follows the plan and mentions any modifications made, resulting in a product/solution.	The student uses appropriate techniques and equipment. The student follows the plan and explains any modifications made, resulting in a product/solution of appropriate quality.
Criterion E: Evaluate	The student does not reach a standard described by any of the descriptors given below.	The student evaluates the product/solution or his or her own performance. The student makes an attempt to test the product/solution.	The student evaluates the product/solution and his or her own performance. The student tests the product/solution to compare it against the design specifications.	The student evaluates the success of the product/solution based on the results of testing . The student provides an evaluation of his or her own performance of the design cycle and suggests improvements. The student provides an evaluation of the impact of the product/solution on life, society and/or the environment.