**Pump up the Volume**

**Criterion E: Evaluate**

Students are expected to evaluate the product/solution against the design specification in an objective manner based on testing, and to evaluate its impact on life, society and/or the environment. They are expected to explain how the product/solution could be improved as a result of these evaluations.

Students are expected to evaluate their own performance at each stage of the design cycle and to suggest ways in which their performance could be improved.

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| **Achievement level** | **Level descriptor** | **Task Specific Clarifications** |
| **0** | The student did not reach a standard described by any of the descriptors given below. |  |
| **1–2** | The student evaluated the product/solution **or** your performance.  The student made **some attempt** to test the product/solution. | You have suggested small way to improve your speakers **OR** you have reflected a little on your performance.  You have mentioned a test, but have not recorded it. |
| **3–4** | The student evaluated the product/solution **and** your performance and suggested ways in which these could be improved.  The student **tested** the product/solution to **evaluate it** against the design specification. | You have evaluated your speakers using the design specification and you have suggested several design improvements. (Form & Function)  You have provided **evidence** of the tests carried out. (Video, client feedback) |
| **5–6** | The student evaluated the success of the product/solution in an **objective** manner **based on the results** of testing, and the views of the intended users.  The student provided an evaluation of their own performance **at each stage** of the design cycle and suggested improvements.  The student provided an appropriate evaluation of the **impact** of the product/solution on life, society and/or the environment. | You have evaluated your speakers, in detail, using the design specification and you have suggested several design improvements. (Form & Function)  You have provided **evidence** of the tests carried out, (Video, client feedback), and have reflected on them.  You have **meaningfully** reflected upon your learning at each stage of the design cycle.  You have reflected upon the AOI and Significant Concept and related it to your design. |

**Notes**

* Product testing: A stage in the design process where versions of products (for example, prototypes) are tested against the need, applied to the context and presented to the end‑user or target audience.