**iRobot 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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| **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 battled with some other SumoBots. You have evaluated your robot and/or reflected on your own learning without much incite.  You have made an attempt to comment on the real world applications |
| **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 battled with some other SumoBots and have recorded a one or less video of these bouts. You have been objective in your evaluation of your robot and have suggested several ways of improving your design.  You have reflected on your own learning. You have briefly used the Learner Profile to comment on your efforts and/or have made comments about Approaches to Learning skills.  You have made some connections with the technology used during this unit with the real world and have demonstrated a basic understanding of the AOI and Significant Concept. |
| **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 battled with several other SumoBots and have recorded videos of these bouts. You have been objective in our evaluation of your robot and have suggested several ways of improving your design.  You have reflected on your own learning for each stage of the design cycle. You have used the Learner Profile to comment on your efforts and have addressed Approaches to Learning skills.  You have made clear connections with the technology used during this unit with the real world and have demonstrated an excellent understanding of the AOI and Significant Concept. |