

## Robotics

AREA	None	Some	Most	Mastery
<b>Presentation</b> Does the student demonstrate a thorough understanding of all design elements of the project?	No understanding of the elements that make up the project.	Some understanding of the elements that make up the project.	Competence in understanding the elements that make up the project.	Mastery in understanding all of the elements that make up the project.
<b>Documentation</b> Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present <b>OR</b> no permissions needed.
<b>Software Design</b> Was software design efficient and focused on solving the stated task?	No part of the software was focused on the stated task.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
<b>Hardware Design</b> Were all parts of the design focused on solving the stated task in an efficient manner?	Not part of the machine is focused on solving the stated task.	Project has many non-functional parts or parts that have nothing to do with solving the stated task..	Project has <b>SOME</b> non-functional parts or parts that have nothing to do with solving the stated task..	Entire machine presented a focused and efficient solution for the stated task.
<b>Performance</b> Does machine perform the stated task in an efficient manner?	Project does not perform the stated task.	Project performs but makes many mistakes.	Project performs well with an occasional mistake.	Project performs the stated or intended task flawlessly.
<b>Autonomous</b> Did machine perform task without any human interaction?	Human interaction and/or remote control required to operate machine after start.	Some human interaction needed for machine to accomplish stated task.	Little human interaction needed for machine to accomplish stated task.	No human interaction or remote control required to operate the machine once started.

**Comments:**