

Robotics

Area	Mastery	Most	Some	None
Documentation: Did the student document non-student produced materials?	ALL required permissions present OR no permissions needed.	Most required permissions included.	Some required permissions included, but not all.	No required permissions present.
Presentation: Did the student(s) demonstrate a solid understanding of the software for project development?	Mastery in the use of software for project development.	Competence in the use of software for project development.	Some understanding of the basic use of the software for project development.	No understanding of the software for project development.
Hardware Design: Were all parts of the design focused on solving the stated task in an efficient manner?	Entire machine presented a focused and efficient solution for the stated task.	Project has some non-functional parts or parts that have nothing to do with solving the stated task.	Project has many non-functional parts or parts that have nothing to do with solving the stated task.	Not part of the machine is focused on solving the stated task.
Performance: Does machine perform the stated task in an efficient manner?	Project performs the stated or intended task flawlessly.	Project performs well with an occasional mistake.	Project performs but makes many mistakes.	Project does not perform the stated task.
Autonomous: Did the machine perform task without any human interaction?	No human interaction or remote control required to operate the machine once started.	Little human interaction needed for machine to accomplish stated task.	Some human interaction needed for machine to accomplish stated task.	Human interaction and/or remote control required to operate machine after start.

Notes: