Activity Rubric

Criteria	4 - Exceeds Expectations	3 – Meets Expectations	2 - Approaches Expectations	1 – Needs Improvement
Accuracy of Sorting	All 10 objects sorted correctly	8–9 objects sorted correctly	5–7 objects sorted correctly	Fewer than 5 objects sorted correctly
Code Quality	Clean, efficient, well-organized code with comments	Functional and mostly organized	Code works but is disorganized or inefficient	Code incomplete or non-functional
Teamwork & Collaboration	All team members engaged and collaborating effectively	Most team members contributed	Uneven participation or some off-task behavior and/or communication	Team disorganized and off task
Problem Solving	Proactively tested, debugged, and optimized solutions	Debugged issues with minimal guidance	Required guidance to resolve problems	Rarely attempted to resolve problems independently
Use of Tools	Skillful use of robot, sensors, or additional tools	Correct basic use of tools	Limited understanding or did not use many appropriately	Tools misused

Hands-On Robotics: Precision Pick-and-Place Challenge Activity – Activity Rubric