

System Name: Robot Pick and Place				
Subsystem Name	Block name	Short Description	Est. Completion Date & Cost	Developer Name
Hardware	Arduino Uno	Microcontroller to control robot arm	\$15.00	
	Computer	School provided laptop	N/A	
	Camera/Boom arm	Camera used for robot vision	\$7.00	Sam Huggins / Bryce Portt
	Robot Arm	Servos and linkages of the robotic arm	\$40.00 Completed 10/23/2019	Sam Huggins
	Magnet	Used to pick and place the parts	\$6.00	
Software	C# Code	Performs image processing and sends data to the Arduino	12/11/2019 Time taken to Complete: 15 hrs	Sam Huggins
	Arduino Code	Reads data from the laptop and controls the servos and magnet in the robot	12/11/2019 Time taken to Complete: 15 hrs	Sam Huggins