The Bronx High School of Science Ms. Thomas	Physical Science Department Electrical Engineering
Names:	Period:
Servo Robot Assessment	
Robots are an essential part of modern life, performing tasks like clean merchandise around Amazon warehouses, and welding car parts. In this to design your own robot to help make life easier. Your robot should u mechanism in response to some sort of input. This could be user input, like the light or distance sensor.	is project, you will be working in pairs se a servo motor to control a physical
This assignment counts 40 points in the Assessment category of your g	rade.
 Technical specifications/grading criteria: Servo motor controls physical hardware (10%) Physical hardware designed for the purpose of the robot (20%) Robot responds to input data (20%) Robot successfully performs intended task (20%) Code uses self-defined functions and functions from servo libra and understandable program (20%) Worksheet below is completed (10%) 	
Optional extensions: • Use the 3D printer or laser cutter to create custom-designed har • Incorporate input data from a new component, such as the joys:	
Before you start building/programming: sketch a design of your proje hardware and how the motor connects.	ect, showing the physical
Video of functioning robot. Make sure to include your names in the v shows the robot responding to input.	ideo. Make sure the video
Paste your completed code here:	
What task does your robot perform?	

Identify one bug that you encountered while coding (OTHER than mistyping a word or forgetting a semicolon). What was your original code and why didn't it work? What did you change it to and why

your program more comple		