

Name(s): \_\_\_\_\_

Request for Design: Design and build an autonomous robot to travel on a guided path marked with black tape. The exact path will not be revealed until the final day but will be about 10' long and contain some turns and curves. The task must be completed within two minutes.

Category	My Comments	My Score (1-10)
<b>Essay:</b> Describes design strategy. Explains function of major subsystems of the project.		
<b>Design Sketch:</b> Includes a scale for reference. Parts are labeled. List of materials included with size and number required.		
<b>Construction:</b> Wiring is neat with <b>no</b> chance of a short circuit. Parts are not likely to fall off. Follows the plan presented in the Design Sketch. Uses Arduino regulator or separate 7805.		
<b>Schematic Diagram:</b> All parts and values are clearly labeled. Includes input and output pins of the Arduino. Includes list of electronic parts.		
<b>Code:</b> Each section of the code is commented to indicate function. Includes revision history and team member names. Defines variables at the start of the code (with comments).		
<b>Performance:</b> Robot follows the path specified in the RFD. Uses a button to start execution, with a one second delay to allow hand to be pulled away.		