



Scholastic Motivation Ministries Robotics Ministry

Robot Judging Sheet:

Robot: Mechanical Design



Judge: _____ Company/Church Affiliation: _____

Jurisdiction of Judge (if applicable): _____

Judges Instructions: Circle the Level of performance. Calculate the totals at the bottom of the page.

Name of Church that Team represents: _____

City _____ State: _____ Team Jurisdiction: _____

Durability: Robot demonstrates evidence of structural integrity; ability to withstand rigors of competition			
quite fragile; breaks a lot 1	frequent or significant faults/repairs 2	rare faults/repairs 3	sound construction; no repairs 4
Comments:			
Mechanical Efficiency: Economic use of parts and time; easy to repair and modify			
excessive parts or time to repair/modify 1	inefficient parts or time to repair/modify 2	appropriate use of parts and time to repair/modify 3	streamlined use of parts and time to repair/modify 4
Comments:			
Mechanization: Ability of robot mechanisms to move or act with appropriate speed, strength and accuracy for intended tasks (propulsion and execution)			
imbalance of speed, strength and accuracy on most tasks 1	imbalance of speed, strength and accuracy on some tasks 2	appropriate balance of speed, strength and accuracy on most tasks 3	appropriate balance of speed, strength and accuracy on every task 4
Comments:			
TOTAL POINTS Level 1	TOTAL POINTS Level 2	TOTAL POINTS Level 3	TOTAL POINTS Level 4

Total Points for Mechanical Design: _____