



# 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: \_\_\_\_\_

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

**Total Points for Mechanical Design:** \_\_\_\_\_