



# RUBRIC: GEORGETOWN COLLEGE ROBOT USE

Live Performance at State Championship  
Team of 1-2 Students  
One Team ONLY Per School To Apply BYOR

Have a robot? Can you make the robot do something? This category will focus on the challenge is to create a robot that is either a transformation of another item OR transforms the way you do a task. <sup>1</sup>

Students bring their own robot. (BYOR)

First and second place will be recognized at the State Championship Awards.

### What the STLP Coordinator/Coach/Teacher should do:

- Share the rubric with students
- Determine which students should apply for this category
- Help students practice timed presentation; program own robot

### What the student should do:

- Review the rubric; program robot to task
- Prepare presentation to stay within 3-5 minute time limit

STATE CHAMPIONSHIP	CRITERIA	CRITERIA	POINTS EARNED
<b>PERFORMED TASK</b>	The task was performed at a satisfactory level and the solution showed some creativity	The task was performed at an exceptional level and the solution showed creativity	
SCORE	<b>1 2</b>	<b>3 4</b>	
<b>SENSORS</b>	The robot used no or one sensor, but the student explained how the robot could be adapted to use a sensor	The robot used more than one sensor to complete the task The sensor was essential in completing the task.	
SCORE	<b>1 2</b>	<b>3 4</b>	
<b>ENGINEERING</b>	The robot showed minimal engineering, creativity, and building skills. The robot was sturdy, and the design was somewhat appropriate to the task.	The robot showed exceptional engineering, creativity, and building skills. The robot was very sturdy, and the design was exceptionally appropriate to the task.	
SCORE	<b>1 2</b>	<b>3 4</b>	
<b>DESCRIBED CURRENT TASK</b>	Student did a satisfactory job describing the task the way it is currently done in the community or in the competition.	Student did an excellent job describing the task the way it is currently done in the community. The detail was at a high level.	
SCORE	<b>1 2</b>	<b>3 4</b>	
<b>DESCRIBED INNOVATIVE TASK OF ROBOT</b>	Student did a satisfactory job describing the robot and how the robot could do the task better than the 'traditional' way.	Student did an excellent job describing the robot and how the robot could do the task better than the 'traditional' way.	
SCORE	<b>1 2</b>	<b>3 4</b>	

<sup>1</sup> For example, you could create a robotic dog that is able to do some of the things a real dog does (i.e., catch a Frisbee, pull a sled, find a lost child, etc.) or you could create a robot that performs a task (i.e. mowing the yard or even picking crops)

<b>PROPS</b>	There were no props to add to the presentation.	The props greatly added to the presentation.	
SCORE	<b>1 2</b>	<b>3 4</b>	
<b>PRESENTATION SKILLS</b>	Student did a satisfactory job of presenting within 3-5 min.	Student did an excellent job of presenting within 3-5 min.	
	<b>1 2</b>	<b>3 4</b>	
		<b>TOTAL SCORE OF 28:</b>	