

# ROBOTICS



## ROBOTICS 1: BEGINNING OR INTERMEDIATE ROBOTICS 2

Name \_\_\_\_\_

County \_\_\_\_\_ Project Level 1 Beginning | Intermediate | Level 2

*JUDGES: Please identify a numerical score on a scale of 1-10 for each element on the sheet.*

<b>Judging Criteria</b>	<b>SCORE</b> 1= needs improvement 10= exceeds criteria
<b>Project Knowledge</b>	
<ul style="list-style-type: none"><li>• General knowledge of robotics concepts</li></ul>	
<ul style="list-style-type: none"><li>• Exhibit appropriate for member age &amp; level</li></ul>	
<ul style="list-style-type: none"><li>• Robotics notebook documents exhibitor's investigation into robotics</li></ul>	
<ul style="list-style-type: none"><li>• Activities from the manual fully completed</li></ul>	
<ul style="list-style-type: none"><li>• Robot performs assigned task<ul style="list-style-type: none"><li>○ <b>Beginning:</b> Robot follows a predetermined path that changes direction at least 4 times during a single run.</li><li>○ <b>Intermediate:</b> Robot uses at least one sensor to correctly follow path, respond to, and avoid obstacles</li><li>○ <b>Level 2:</b> Robot uses sensors and programming to complete one of the provided challenges</li></ul></li></ul>	
<b>Explanation of Project Exhibit</b>	
<ul style="list-style-type: none"><li>• Goal of project exhibit</li></ul>	
<ul style="list-style-type: none"><li>• Ability to explain process of designing, troubleshooting, and refining a robot design or program</li></ul>	
<ul style="list-style-type: none"><li>• Ability to explain target robotics concepts, such as sensors, programming, real world uses, etc.</li></ul>	
<ul style="list-style-type: none"><li>• Self-evaluation of project, including time spent on project area</li></ul>	
<ul style="list-style-type: none"><li>• Skills learned and plans for continued study</li></ul>	
<b>Exhibit Presentation</b>	
<ul style="list-style-type: none"><li>• Neat appearance</li></ul>	
<ul style="list-style-type: none"><li>• Follows exhibit requirements</li></ul>	
<ul style="list-style-type: none"><li>• Presents information in interesting way</li></ul>	
<b>TOTAL SCORE</b> <i>(Points possible: 130)</i>	
<b>COMMENTS</b>	
<b>AWARD RECEIVED</b> <i>(if applicable)</i>	