

ROBOTICS



Illinois Extension
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

ROBOTICS: BEGINNING1, OR INTERMEDIATE 1, 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.

Judging Criteria	SCORE 1= needs improvement 10= exceeds criteria
Project Knowledge	
General knowledge of robotics concepts	
Exhibit appropriate for member age & level	
Robotics notebook documents exhibitor's investigation into robotics	
Activities from the manual fully completed	
- Robot performs assigned task Beginning: Robot follows a predetermined path that changes direction at least 4 times during a single run. Intermediate: Robot uses at least one sensor to correctly follow path, respond to, and avoid obstacles Level 2: Robot uses sensors and programming to complete one of the provided challenges	
Explanation of Project Exhibit	
Goal of project exhibit	
Ability to explain process of designing, troubleshooting, and refining a robot design or program	
Ability to explain target robotics concepts, such as sensors, programming, real world uses, etc.	
Self-evaluation of project, including time spent on project area	
Skills learned and plans for continued study	
Exhibit Presentation	
Neat appearance	
Follows exhibit requirements, Robotics 1 with EV3 or go.illinois.edu/RoboticsActivities1 OR Robotics 2: EV3 N More or goillinois.edu/roboticsActivities2 project resources required	
Presents information in interesting way	
TOTAL SCORE <i>(Points possible: 130)</i>	
AWARD RECEIVED <i>(if applicable)</i>	

COLLEGE OF AGRICULTURAL, CONSUMER & ENVIRONMENTAL SCIENCES

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COMMENTS