

4-H Robotics & Engineering

Units 1-3 Stand-Alone

Judging Sheet

American System Placing: (Check One)
 Champion _____
 Reserve Champion _____
 Placing 3-10 _____
 Grand Champion _____
 Reserve Grand Champion _____

Danish System Award: (Check One)
 (For County Use Only)

Blue _____
 Red _____
 White _____

Member Name: _____

County: _____

Jr. _____ Int. _____ Sr. _____ Yrs. in Project _____

Check the Unit being judged:

Unit 1 _____

Unit 2 _____

Unit 3 _____

Stand-Alone Exhibit: Completed Robotics & Engineering e-Record in sturdy binder. Unit 1: One article you have as a part of this unit of study. (Example: marshmallow catapult, robotic arm, robotic gripper, etc.)

Unit 2: One article which you have made as a post of this unit of study. (Example: clipmobile, can-can robot, gear train, es-car-go, sea hunt, etc.)

Unit 3: One article which you have made as a part of this unit of study. (Example: forward & reverse, wall follower, breadboard, say what, build your robot, etc.)

Judges may use the back of the form for more comments.

Judging Element 1: 4-H e-Record: Complete means that everything has been filled out. Not complete means that there is something missing and needs a comment as to what is missing or why it is not complete. Project will be evaluated on the quality of information completed in e-record (25 percent) and quality of exhibit (75 percent).

Criteria	Complete	Not Complete	Comments
E-Record			
Record Cover			
Project Goals			
What 4-H projects are you taking this year?			
What activities helped you learn the skills for the project? (workshops, project meetings, classes, contests, etc.)			
What leadership development experiences did you participate in?			
Citizenship/Community Service in 4-H			
Demonstrations/Presentations/Speeches			
Project Expense/Return on Investment			
Goal Evaluation			
Project Photos			
Story			

Criteria	Complete	Not Complete	Comments
Completion of Ready, Set, Go. in e-Record: Part 1. The Preamble, Part II. The Main Act, and Part III. The Encore			

Criteria	E	G	F	N/I	Comments
Judging Element 2: 4-H Robotic & Engineering Units 1-3 Stand-Alone N/I = Needs Improvement - must have comments					
Task Completed: How hard is this task for the robot?					
Aesthetics: How well is the robot assembled considering the design elements?					
Task Utility: How useful is this robot?					
Entertainment Value: How cool or entertaining is the robot?					
Originality					
Technical Merit					

E = Excellent G = Good F = Fair N/I = Needs Improvement

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Revised 2024