

ELECTRICITY

ELECTRICITY 1, 2, 3



Illinois Extension
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Name _____

County _____ Project Level 1 | 2 | 3 _____

JUDGES: Please identify a numerical score on a scale of 1-10 for each element on the sheet. The total score will be used to determine champion and reserve champion.

Judging Criteria	SCORE 1= needs improvement 10= exceeds criteria
Project Knowledge	
<ul style="list-style-type: none"> • General knowledge of electricity project 	
<ul style="list-style-type: none"> • Exhibit appropriate for member age & level 	
<ul style="list-style-type: none"> • Wire wrapping around the screw in the direction the screw tightens 	
<ul style="list-style-type: none"> • When using stranded wires, all strands are under the screw head 	
<ul style="list-style-type: none"> • Uses proper wire type and size for the particular load the project requires 	
<ul style="list-style-type: none"> • Use of weatherproof or watertight equipment and connections for any project to be used outside or in damp areas 	
<ul style="list-style-type: none"> • All terminals and connections using 120 household voltage are enclosed (such as dead-front plugs and receptacles, all connects to be inside electrical boxes) 	
<ul style="list-style-type: none"> • AC connection choices include: <ul style="list-style-type: none"> ○ Wire to wire connections must be soldered and taped, or ○ Use proper size wire-nut, or ○ Use a squeezed connector 	
<ul style="list-style-type: none"> • Wiring is protected from all sharp edges by effective means (such as grommets, silicone seal, etc.) 	
<ul style="list-style-type: none"> • Ground: All electrical materials, parts, and equipment that are not intended to carry current are grounded by use of a ground wire (connected to a threaded ground screw or wiring clip or grounding lug) 	
<ul style="list-style-type: none"> • Uses U.L. approved electrical material / equipment 	
<ul style="list-style-type: none"> • Incorporates over-current protection (fuses or circuit breakers) where needed 	
<ul style="list-style-type: none"> • AC conductors are properly color-coded using black or red as hot wires, white as neutral, and green or bare copper as grounding. 	
<ul style="list-style-type: none"> • Uses battery power for Level 1 & 2; 120V for Level 3 	
Explanation of Project Exhibit	
<ul style="list-style-type: none"> • Goal of project exhibit 	
<ul style="list-style-type: none"> • Ability to explain decisions made or results shown 	
<ul style="list-style-type: none"> • Self-evaluation of project, including time spent on project area 	
<ul style="list-style-type: none"> • Skills learned and plans for continued study 	

COLLEGE OF AGRICULTURAL, CONSUMER & ENVIRONMENTAL SCIENCES

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Exhibit Presentation	
<ul style="list-style-type: none"> • Neat appearance 	
<ul style="list-style-type: none"> • Follows exhibit requirements 	
<ul style="list-style-type: none"> • Presents information in interesting way 	
TOTAL SCORE	
COMMENTS	