

4-H Electric/Electronics Project

Name			
County/District			
Class (Circle one)	1000 AC Electric	1001 DC Electric	1002 Electronics
Age		Years in Project	
Usage (circle appropriate usage)		INDOOR	OUTDOOR

Categories to Judge Projects		Score
Scoring – 10 Excellent, 1 Undesirable – each category should have a score ranging from 1 to 10. <i>The italicized comments are not intended to be all-inclusive but to provide some examples.</i>		
1	Overall workmanship and neatness of the project <i>(cleanliness, neat construction, labeled appropriately, etc)</i>	
2	Is the project appropriate for the 4-H member age and years of involvement in project? <i>(projects may be too simple, i.e. 15 year old with 3 years in project entering an extension cord or too complex, i.e. a 10 year old with a project requiring lots of connectors and fasteners)</i>	
3	Is the project entered into the fair in working order? <i>(10 points if yes, 0 if not working when being judged)</i>	
4	Are there any non-electric safety concerns with the project? <i>(unstable lamp, exposed moving parts, sharp edges, lamp base unprotected, etc)</i>	
5	Is the project electrically safe to operate? <i>(proper grounding, no exposed wires, over current protection, waterproof if outdoor usage, etc)</i>	
6	Are the appropriate national code guidelines followed? <i>(wires color coded properly, waterproof devices if required, etc)</i>	
7	Are materials and devices U.L. or equivalent lab approved?	
8	Are proper materials used? <i>(proper connectors, wire size, load sizes, etc)</i>	
9	Are the wires properly fastened to terminals? <i>(wrap proper direction, screws tightened, proper solder joints, etc)</i>	
10	Is a clear understandable wiring diagram available to follow circuitries? <i>(10 yes – neat and understandable: 5 yes – but not easy to understand: 0 no)</i>	
	Up to 5 bonus points may be awarded for submission of a project/construction report or up to 10 points including a superior project interview.	
TOTAL SCORE		

Judge's Comments: