

4-H Energy Management Score Sheet

Name				
Age Division				
Class (circle one)	01 AC Electric	02 DC Electric	03 Electronics	04 Educational Exhibit
4-H 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-Her age and years of involvement in project? <i>(note projects may be too simple, i.e. 15 yr old with 3 yrs in club project entering an extension cord or too complex, i.e. a 10 year with a project requiring lots of connectors and fasteners).</i>	
3	Is the project as 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 electrically safety concerns with the project? <i>(unstable lamp, exposed moving parts, no sharp edges, lamp base protected, etc)</i>	
5	Is the project electrically safe to operate? <i>(proper grounding, 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 the superior project interview at county fair.		
TOTAL SCORE		

Judges Comments:

Purple _____

Blue _____

Red _____

White _____

Judges Initials _____

4-H Electric/Electronics Educational Exhibit - Kansas State Fair

Name			
County/District			
Class			
Age		Years in Project	
Locations where exhibit has been displayed			
1.			3.
2.			4.
Categories to Judge Projects (Adapted from 4-H Educational Exhibit Rating)			
	Scoring System: 5 points- Excellent, 4-points – Good (minor modification would be helpful or improvements needed), 3 points- Average (needs some modification and improvement), 2 Poor (needs major improvement). <i>The italicized comments are not intended to be all inclusive but to provide some examples.</i>		Score
1	Overall workmanship and neatness of the educational display or project? <i>(cleanliness, neat construction, appearance, proper proportions, etc)</i>		
2	Has the educational exhibit been displayed at a non 4-H event? <i>(i.e. 5 points if displayed at least one 1 non 4-H event such as community center, church, school, nursing home, library, etc)</i>		
3	Does the educational exhibit have a single common electronic or electrical theme? <i>(i.e. types of wiring, 2 or 3 way switches, lightning, how a motor operates, components of a computer, etc)</i>		
4	Does the exhibit have educational value and usefulness? <i>(i.e. 5 points if those viewing the display able to learn from the project)</i>		
5	Does the exhibit have the ability to attract and hold the attention of a viewer? <i>(i.e. Interesting presentation, moving parts, audience participation, effect design, colors, etc)</i>		
6	Is the exhibit overall pleasing to the viewer? <i>(i.e. color selection, proper amount of information, properly displayed, etc)</i>		
7	Is the proper amount of information presented in the exhibit? <i>(exhibit should be viewable and clearly convey an idea or a theme in 45 to 60 seconds)</i>		
8	Is the exhibit self supporting (free-standing) and/or in working order? <i>(i.e. self supporting implies the exhibit could be displayed any where without additional accessories such as a computer or radio – electrical outlet or batteries are not included as accessories- however the exhibit must be in working order (batteries must be provided and working))</i>		
9	Is the exhibit readable from the appropriate distance with correct spelling? <i>(i.e. lettering (space, style, color, size) appropriate, spelling correct, etc)</i>		
10	Is the educational exhibit creative? <i>(i.e. original idea, functional design, new method to presents common themes, etc)</i>		
	Up to 3 bonus points may be awarded for submission of a more detailed report of information learned but not presented or up to 5 points including a superior project interview at county fair		
TOTAL SCORE			

Judges Comments: