

4-H Electric/Electronics Project - Kansas State Fair

Name				
County/District				
Class (circle one)	4600 AC Electric	4601 DC Electric	4602 Electronics	4603 Educational Exhibit
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:

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)			Score
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>			
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:

4-H Small Engine Exhibits

Class _____ Name: _____

Local Extension Unit: _____

DISPLAY EXHIBIT

	Excellent	Good	Needs Improvement	
			Some	Much
Educational Content: <ul style="list-style-type: none"> ▪ One central idea; grasped quickly and easily ▪ Accurate and correct information presented ▪ Presents facts and accomplishments in an organized, easy to understand manner 				
Quality of Workmanship <ul style="list-style-type: none"> • neat, artistic, attractive • charts, maps, etc. easy to read 				

Things you did best:

Things you most need to improve:

ENGINE OPERATION *engines are to be exhibited without fuel

	Excellent	Good	Needs Improvement	
			Some	Much
General Appearance <ul style="list-style-type: none"> ▪ Preparation before painting ▪ Quality of paint job ▪ Decals ▪ Mounting base ▪ Mounting base finish 				
Written explanation <ul style="list-style-type: none"> ▪ Maintenance schedule ▪ Sources of engine ▪ description of steps in overhaul/ rebuilding process ▪ Repair parts list, Cost of parts, etc. 				
Engine operation <ul style="list-style-type: none"> ▪ Compression/spark 				

Things you did best:

Things you most need to improve:

Ribbon: Purple _____ Blue _____ Red _____ White _____