

ELECTRICAL - Section K

ELECTRICAL RULES

- a) Articles exhibited in this section must have been made by the exhibitor during the current project year and since the last Fair.
- b) Articles in this section must be made and selected according to standards from project curriculum, 4-H Club Management Guidelines, plus CCE Risk Management Guidelines. Contact the 4-H Office with any questions.
- c) If power tools are used by youth, the youth must be 12 years or older.
- d) Tension restraint device must be in place. Where appropriate, underwriters knot should be used.
- e) **There is no maximum number of entries per class in this section. When more than 1 entry is entered in a class, each must be of a different variety and be distinctly different.**
- f) Projects involving skills/techniques other than electrical will be evaluated on the merits of all skills/techniques involved.
- g) Lamps without bulbs and shades will not be considered complete and will not be evaluated.
- h) Mechanical and electrical safety will be considered on all exhibits.
- i) Please consult the 4-H office for project ideas and guidelines.

AWARDS:

Blue 2.50 Red \$2.00 White \$1.50

Class

1. Article made in a 4-H Electric Project –may include:

- Portable Bench Light
- Pin-up or Study Lamp
- Extension Cord & Storage Reel
- Rewiring of old lamp
- Trouble lamp
- Other lamp (such as theme lamp)

*Note: If you make the lampshade, also enter it as an additional exhibit under “Home Environment & Furnishings”, Section P, Class 10. The lamp with the shade must be evaluated first.

Rocketry Project – Any rocket made in a rocket program and totally assembled and finished by the exhibitor. Safety knowledge is required.

2. **Junior Division of Rocket Project (ages 12 and under)** – Kits are acceptable in class #2. For kits, evaluators will place emphasis on proper kit assembly and finishing. For non-kits, the emphasis will be placed on proper construction techniques and finished product.
3. **Senior Division of Rocket Project (ages 13 and older)** – No kits are acceptable for class #3. Emphasis will be on proper construction techniques and finished project.
4. **Electronics Division**
 - Article made in an Electric Project utilizing principles and construction procedures relating to electronics is acceptable.
 - Projects will be evaluated on the basis of soldering and connection techniques, neatness of assembly and other assembly procedures for electronic projects.
 - Projects must be hand wired and no breadboard kits will be accepted.
 - Project must be operable (i.e. contain all necessary batteries).