ELECTRICAL

Superintendent: TBD

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, especially in lamp sockets.
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 $3.50 Red $2.50 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: Extension cord 20 feet or longer with or without storage reel. Extension cord must be "heavy duty" not lamb cord; 3 conductor cord should be used
- 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 in the Home Environment section. 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 13 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 14 and older) – Kits are acceptable in class #3 BUT will not qualify for State Fair. 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

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).
- Must include a short explanation of why or how the exhibit works and what use it has.

NOTE: Special Requirement for 4-H exhibitor who will not be talking with the Fair Evaluator

For any 4-H member who is unable to bring his/her exhibits/entries to the 4-H Youth Development Building on Saturday, August 2, 2025, to speak personally with the evaluator, the following Exhibitor Information Statement is required to be completed for each exhibit/entry. The evaluator will be requiring this in order to accept the exhibit/entry. (Cloverbuds should complete this information to the best of their abilities; regular 4-H'ers (ages 8-18 as of January 1st) should complete these statements fully in their own handwriting if possible. Age and experience will be taken into consideration.)

1. What is the Kind _____ and Variety_____ of your exhibit (relates to vegetables, flowers, etc.)
2. Describe what you did to complete this project. Provide a list of materials, products and/or equipment used and why they were selected. Briefly explain your methods of construction process and your source of ideas. (3-5 sentences is sufficient)
3. In approximately 3 – 5 sentences, describe your feelings about this project: what you learned, what challenged you, and /or how you would improve your exhibit in the future.
4. Additional information requested in the Section for this class (Be sure to read complete guidelines in the section)
5. Additional information or **special needs** to be noted by the evaluator.