

# DEPARTMENT 23

## ELECTRICITY

Superintendent: Anthony Kuenzi 920-342-9489

**Entry Day:** Tuesday of Fair Week – checked in by 7:00pm

**Judging Day:** Thursday 9:00 am

**Judging Location:** Youth Building

-Exhibitor may enter **ONE** Class only. Project enrolled in.

-Diagrams and directions for many articles are found in the appropriate 4-H member/leader literature.

-All articles are to be made by member except those in a display.

**-Attach 3 x 5 card explaining what you did and how it works, except for Electricity Posters, Scrapbooks or Displays**

-All **displays** must be mounted on a sturdy base, be movable as a single unit, and must be self-supporting.

### **CLASS A - "Magic of Electricity"**

-Open to youth enrolled in "**Magic of Electricity**" project or other youth groups doing equivalent work

1. Simple switch using a battery mounted on a board
2. A circuit board (series or parallel, *indicate which*) no larger than 6"x8" using a dry cell battery mounted on a board
3. A simple electric magnet mounted on a board
4. Question board using a dry cell battery
5. Any Other Item pertaining to project
6. Any Other Display (*3 dimensional, not a poster*)
7. Scrapbook of work done in the project
8. Poster (14"x22")

**Premium – Face-to-Face Judging      \$2.00    \$1.75    \$1.50    \$1.25**

### **CLASS B - "Investigating Electricity"**

-Open to youth enrolled in "**Investigating Electricity**" project or other youth groups doing equivalent work

1. Momentary Switch mounted on a board
2. Three or Four-Way Switch mounted on a board
3. Rocket Launcher
4. Alarm mounted on a board
5. Display of Wire Connections
6. Any Other Item pertaining to project
7. Any Other Display (*3 dimensional, not a poster*)
8. Scrapbook of work done in the project
9. Poster (14"x22")

**Premium - Face-to-Face Judging      \$2.50    \$2.25    \$2.00    \$1.75**

### **CLASS C - "Wired for Power"**

-Open to youth enrolled in "**Wired for Power**" project or other youth groups doing equivalent work

1. Display showing types of fuses
2. Display of electric cords, wires, cables showing appropriate uses
3. Display of electrical plugs showing appropriate uses
4. Homemade lamp or lighting unit
5. Demonstration board with 3-way or 4 way switches
6. Trouble light
7. Light duty extension cord, new or repaired
8. Heavy duty extension cord with 3 prong plug, new or repaired
9. Any other repaired electrical item (*include statement of repairs made*)

10. Any other piece of homemade electrical equipment
11. Any other item pertaining to the project
12. Wiring layout of a room, home or other building
13. Display of different types of conduit explaining how each is used
14. Any Other Display (*3 dimensional, not a poster*)
15. Scrapbook of work done in the project
16. Poster (14"x22")

**Premium – Face to Face Judging      \$2.50    \$2.25    \$2.00    \$1.75**

#### **CLASS D - "Entering Electronics"**

-Open to youth enrolled in "***Entering Electronics***" project or other youth groups doing equivalent work

1. Any piece of homemade electronic equipment
2. Display or plan of an electrical control system
3. Any piece of homemade electrical equipment
4. Diagram/photos of electrical/electronic item made by member
5. Poster (14"x22")
6. Scrapbook of work done in the project
7. Any Other Display (*3 dimensional, not a poster*)
8. Any other item pertaining to project

**Premium - Face to Face Judging      \$3.00    \$2.75    \$2.50    \$2.25**