

# DEPARTMENT 23

## ELECTRICITY

Superintendents: Brian Lerwick 920-344-7797; Diane Neff 920-887-8355

**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**