



# DEPARTMENT 23 ELECTRICITY

**Please see the Judging Schedule for date and time.**

**ALL lots will be judged Face-to-Face**

**Adult Superintendent: Owen & Christina Johnson**

## Exhibition Rules and Instructions

- a) Exhibitors and their families are responsible for reading and complying with the Junior Fair General Rules & Instructions.
- b) The Fair Association is not responsible for articles lost/stolen during the fair.
- c) Exhibitors must exhibit in their grade division and no more than 1 entry per lot.
- d) Work to be eligible must have been made since the previous county fair.
- e) Posters can be no larger than 14"x22", and displays can be no larger than 28"x40".
- f) Each entry should have a 3"x5" card which describes:
  - a. Exhibitor grade and number of years in project
  - b. Steps taken to complete this exhibit.
  - c. What have you learned or practiced in completing this exhibit?

### **CLASS A – Grades 3-4**

**Premiums \$ 2.00 \$ 1.75 \$ 1.50 \$ 1.25**

#### **Lot**

1. Circuit board or homemade buzzer (including batteries)
2. Model electric motor
3. Electric question board
4. Compass, built by exhibitor
5. Any other low voltage or magnetic device, or other project
6. Any other piece of homemade electrical equipment or display

### **CLASS B – Grades 5-6**

**Premiums \$ 2.00 \$ 1.75 \$ 1.50 \$ 1.25**

#### **Lot**

10. Display showing one of the following: types of fuses, electric cords, wires, or cables
11. Test Lamp

12. Demonstration board with 3-way and 4-way switches
13. Trouble light
14. Light duty or heavy duty extension cord
15. Any other piece of homemade electrical equipment or display
16. Exhibit related to meter usage, circuit diagrams and symbols, electrical safety or other aspect of electrical usage

### **CLASS C – Grades 7-9**

**Premiums \$ 2.50 \$ 2.25 \$ 2.00 \$ 1.75**

#### **Lot**

20. Exhibit explaining one or more points of the National Electric Code
21. Exhibit of bulbs, tubes or lighting equipment
22. Homemade outdoor lighting unit
23. Homemade study or table lamp
24. Exhibit graphing your family energy usage for a month
25. Exhibit explaining the information displayed on a motor or appliance nameplate
26. Exhibit of wiring layout of your home
27. Tool kit containing tools and supplies suitable for constructing, installing, or repairing electrical equipment. Include a card describing the purpose and use of at least 5 items in the tool kit.
28. Exhibit showing the points to consider when purchasing an appliance.
29. Any other piece of homemade electrical equipment or display

### **CLASS D – Grades 10 and Up**

**Premiums \$ 3.00 \$ 2.75 \$ 2.50 \$ 2.25**

#### **Lot**

35. Exhibit showing how diodes operate in a circuit
36. Member assembled circuit or device using a diode or transistor
37. Exhibit demonstrating a "blinky" flasher
38. Any other piece of homemade electrical equipment or display
39. Exhibit, explaining the resistor color code
40. Member assembled circuit or device using a transformer, capacitor or inductor
41. Member assembled circuit or device using an integrated circuit.