



**ATCP 160.69 – ELECTRICITY – DEPARTMENT 23**  
**Judging: Friday, 9:00 a.m. – Exhibition Hall**

Electricity Rules and Instructions

1. Fair Association is not responsible for articles lost/stolen during fair.
2. Exhibitors limited to entering under the unit in which they are enrolled.
3. Work to be eligible must have been made since September 1 of the preceding year.
4. Posters and charts will be 14"x22", unless otherwise stated.
5. All exhibits should include identification of age/grade and number of years in project.

**CLASS A – UNIT 1 – MAGIC OF ELECTRICITY**

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

Lot

Members grades 3-4

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. Poster related to a concept explored in the project activity guide

**CLASS B – UNIT II – INVESTIGATING ELECTRICITY**

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

Lot

Members grades 5-6

1. Display showing one of the following: types of fuses, electric cords, wires, or cables
2. Test Lamp
3. Demonstration board with 3-way and 4-way switches
4. Trouble light
5. Light duty or heavy duty extension cord
6. Any other piece of homemade electrical equipment
7. Poster or display related to meter usage, circuit diagrams and symbols, electrical safety or other aspect of electrical usage

**CLASS C – UNIT III – WIRED FOR POWER**

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

Lot

Members grades 7-9

1. Poster explaining one or more points of the National Electrical Code
2. Display of bulbs, tubes or lighting equipment
3. Homemade outdoor lighting unit
4. Homemade study or table lamp
5. Poster graphing your family energy usage for a month
6. Poster or display explaining the information displayed on a motor or appliance nameplate
7. Poster or display of wiring layout of your home
8. 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.
9. Poster or exhibit showing the points to consider when purchasing an appliance

**CLASS D – UNIT IV-ENTERING ELECTRONICS F-T-F**

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

Lot

Members grades 10 and up

1. Poster or exhibit showing how diodes operate in a circuit
2. Member assembled circuit or device using a diode or transistor
3. Exhibit demonstrating a "blinky" flasher
4. Any other piece of homemade electronic equipment or display
5. Poster or display explaining the resistor color code
6. Member assembled circuit or device using a transformer, capacitor or inductor
7. Member assembled circuit or device using an integrated circuit

