



ATCP 160.69 – ELECTRICITY – DEPARTMENT 23

Judging: Friday, 9:00 a.m. – Exhibition Hall

Adult Superintendent: Owen Johnson

Exhibition Rules and Instructions

- a) Exhibitors and their families are responsible for reading and complying with the Junior Fair General Rules & Instructions.
- b) Fair Association is not responsible for articles lost/stolen during fair.
- c) All exhibitors are encouraged to be present for judging.
- d) Exhibitors must exhibit in their grade division and no more than 1 entry per lot.
- e) Work to be eligible must have been made since September 1 of the preceding year.
- f) Posters can be no larger than 14"x22", and displays can be no larger than 28"x40".
- g) All exhibits should include identification of grade and number of years in project.

CLASS A – Grades 3-4

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

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| Lot | Conference Judging |
|-----|---------------------------|
- 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. Exhibit of a concept explored in the project activity guide

CLASS B – Grades 5-6

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

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| Lot | |
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- 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
 - 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

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|-----|---------------------------|
| Lot | Conference Judging |
|-----|---------------------------|
- 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

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 electronic 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