

DEPT. 123 - JR. ELECTRICITY

Superintendent - Joe Herther

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JUDGING: Monday, 1:00pm to 7:00pm

No kits may be used unless otherwise stated. A member may exhibit no more than 4 entries. Batteries may be removed and taken home after judging. Posters 14''x22''; display board 18''x24'' (recommended size).

DIVISION A - Electricity I

Open to youth enrolled in "Magic of Electricity" or other youth groups doing equivalent work.

Class No. Premiums: \$1.75, \$1.50, \$1.25, \$1.00

1. Simple switch using a battery mounted on a board
2. Circuit board (series or parallel) no larger than 6x8 using a dry cell battery mounted on a board
3. Simple electric magnet mounted on a board
4. Question board using a dry cell battery
5. Any other item from project activity guide
6. Display
7. Scrapbook
8. Poster

DIVISION B-Electricity II

Open to youth enrolled in "Investigating Electricity" or other youth groups doing equivalent work.

Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25

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 from project activity guide
7. Display
8. Scrapbook
9. Poster

DIVISION C - Electricity III

Open to youth enrolled in "Wired for Power" or other youth groups doing equivalent work.

Class No. Premiums: \$2.25, \$2, \$1.75, \$1.50

1. Display showing types of fuses
2. Display of electric cords, wires, cables
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)
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 used
14. Display
15. Scrapbook
16. Poster

DIVISION D-Electricity IV

Open to youth enrolled in “Entering Electronics” or other youth groups doing equivalent work.

Class No. Premiums: \$3.00, \$2.50, \$2.00, \$1.50

1. Any homemade electronic game
2. Any homemade electronic controls
3. Any piece of homemade electronic equipment
4. Simple homemade amplifier (include 3x5 card on how it works)
5. Homemade 2-transfer radio receiver (with 3x5 card of how it works)
6. Homemade tachometer (include 3x5 card on its operation)
7. Poster 14x22”
8. Any other item related pertaining to project

Champion Electricity Project Exhibit – Ribbon Only