

Department 123 – Jr. Electricity

Superintendent

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Judging: Monday 1:00 PM - 6:00 PM

Rules/Guidelines:

- 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.
- Recommended sizes: posters 14"x22"; display board 18"x24"

Division A – Electricity I

Class No:

1. Simple switch using a battery mounted on a board.
2. Circuit board (series or parallel) no larger than 6"x8" 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 the project activity guide.
6. Display.
7. Scrapbook.
8. Poster.

Division Rules:

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

Division B – Electricity II

Class No:

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

Division Rules:

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

Division C – Electricity III

Class No:

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 (including 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 Rules:

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

Division D – Electricity IV

Class No:

1. Any homemade electronic game.
2. Any homemade electronic controls.
3. Any piece of homemade electronic equipment.
4. Simple homemade amplifier (include 3x5 card of how it works).
5. Homemade tachometer (include 3x5 card of how it works).
6. Poster 14"x22".
7. Any other item related pertaining to project.

Division Rules:

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

Division Awards:

Champion Electricity Project Exhibit – Ribbon Only

Premiums Chart:

Department	Division group	Class description	1st	2nd	3rd	4th
123	A	ALL CLASSES	\$1.75	\$1.50	\$1.25	\$1.00
123	B	ALL CLASSES	\$2.00	\$1.75	\$1.50	\$1.25
123	C	ALL CLASSES	\$2.25	\$2.00	\$1.75	\$1.50
123	D	ALL CLASSES	\$3.00	\$2.50	\$2.00	\$1.50

A	Electricity I
B	Electricity II
C	Electricity III
D	Electricity IV