

2023
DEPARTMENT 23
JUNIOR CLASS ELECTRICAL PROJECTS
PREMIUM LIST

Supt. Ralph Jannene

- A. All exhibits will be judged face-to-face, Monday of Fair, from noon to 7 p.m. with a break at 3:30 p.m. The Youth Building will be open at 11:00 a.m. Numbers will be available at 11:45 a.m. After judging is finished, the building will close. Judging will take place in the 4-H Youth Building.
- B. A maximum of five (5) different entries per exhibitor may be exhibited, but not more than one exhibit per entry number.
- C. An explanation may be attached to any exhibit if it would help the judge.
- D. Maximum display board size will be 18" x 24".
- E. All posters should be 14" x 22" in size. Posters should be on poster board. Those not adhering to these two (2) rules will be dropped one (1) place.
- F. Displays should be more detailed in explanation than a poster. They must be three-dimensional and include articles to assist in explanations. A display should be more than a 14" x 22" poster. It may also be smaller in size than a poster.

Division 1 – Exploring the World of Electricity

Blue - \$1.75 Red - \$1.50 White - \$1.25 Pink - \$1.00

Class No.	Entry
1	Homemade Series Circuit Board
2	Homemade Parallel Circuit Board
3	Homemade Electric Question Board
4	Homemade Steady Hand Tester Board
5	Homemade Continuity Tester Board
6	Any Other Homemade Electrical Item / Display

Division 2 – Electricity's Silent Partner – Magnetism

Blue - \$2.00 Red - \$1.75 White - \$1.50 Pink - \$1.25

Class No.	Entry
1	Homemade Electric Motor
2	Homemade Electric Buzzer
3	Homemade Electromagnet
4	Homemade Telegraph Key and Sounder
5	Homemade Galvanoscope
6	Homemade Solenoid
7	Electrical Safety Poster
8	Any Other Homemade Electrical Item / Display

Division 3 – Working with Electricity

Blue - \$2.25 Red - \$2.00 White - \$1.75 Pink - \$1.50

Class No.	Entry
1	Display Board Showing types of Fuses
2	Display Board of Electric Wires and Cables

3	Display Board of Electric Cords indicating Proper Use
4	Display Board with 3-Way or 3-Way and 4-Way switches Controlling a Light
5	Trouble Light
6	Light-Duty Extension Cord 18/3 OR 16/3 Conductor
7	Heavy-Duty Extension Cord 14/3 Minimum
8	Any Other Related Item

Division 4 – Electricity for Family Living

Blue - \$2.50 Red - \$2.25 White - \$2.00 Pink - \$1.50

Class No.	Entry
1	Any Piece of Homemade Solar Equipment
2	Diagram of an Electric Meter with a description of parts and their Purpose
3	Display related to Home Appliances Wattage use and Conversation Practices
4	Poster Showing Nuclear Fuel Cycle
5	Display Board showing Generation, Transmission and Distribution of Electric Power
6	Display Board showing different Motor Types with their Operation and Use
7	Any Other Item

Division 5 – Behind the Switch

Class No.	Entry
1	Display Board of AC or DC Motor and it's Parts
2	Display Board showing different Motor Types with their Operation and Use
3	Display Board showing proper Motor Maintenance
4	Any other piece of Homemade Motor Equipment
5	Display showing Generation, Transmission, and Distribution of Electrical Power
6	Poster showing proper Motor Selections

Division 6 – The World of Electronics & Electrical Controls

Blue - \$3.00 Red - \$2.50 White - \$2.00 Pink - \$1.50

Class No.	Entry
1	Any Homemade Electric Game
2	Any Homemade Electronic Game
3	Any Homemade Electrical Controls
4	Any Homemade Electronic Controls
5	Any Piece of Homemade Electrical Equipment
6	Any Piece of Homemade Electronic Equipment
7	Electronic Safety Poster
8	Poster Showing the Theory of Electronics
9	Electronic Kit, Assembled and Soldered Properly