

Department 23 – Electricity

Rules

All posters shall be 14"x22" or smaller.

Class A: Magic of Electricity

Lot No.

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
All lots	2.00	1.75	1.50	1.25

101. Display of types of wire or fuses
102. Simple circuit/switch
103. Conductor/insulator tester
104. Electromagnet
105. Homemade flashlight/buzzer
106. Poster on first aid for victims of electrical shock
107. Electric motor
108. Galvanometer
109. Compass
110. Parts of a light bulb

Class B: Investigating Electricity

Lot No.

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
All lots	2.00	1.75	1.50	1.25

101. Poster of circuit diagrams and symbols w/explanations
102. Poster/display of: series circuit/parallel circuit/momentary circuit or 3-way switch
103. Soldered connection
104. Rocket launcher
105. Burglar alarm

Class C: Wired With Power

Lot No.

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
All lots	2.00	1.75	1.50	1.25

101. Poster/display of any electrical equipment with description and labeling
102. Lamp made from kit
103. Any homemade electrical item
104. Wiring layout of your home or other building
105. Display showing different types of bulbs
106. Poster showing how to interpret an appliance nametag
107. Poster on different types of wire and their uses
108. Electrical tool and supply kit
109. Display of symbols on wires and cables and their meaning

Class D: Entering Electronics

Lot No.

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
All lots	2.00	1.75	1.50	1.25

- 101. Display of diodes, resistors and capacitors-identify each/list uses
- 102. Poster of plan of an electrical control system
- 103. Any piece of homemade electric equipment
- 104. Diagram or photographs of electrical or electronic equipment installed at home
- 105. Photocell alarm
- 106. Transistor
- 107. 6-8 watt amplifier w/integrated circuit
- 108. Any other