

ELECTRIC

Please read 4-H Project Exhibit Rules on page 2.

MAGIC OF ELECTRICITY—UNIT 1

Class 701	Magic of Electricity	Jr.
Class 702	Magic of Electricity	Int.
Class 703	Magic of Electricity	Sr.

Exhibit will consist of the following:

A. Completed 4-H Electric project manual (at least three required activities completed; at least four Optional activities -Brain Boosters completed; at least two leadership activities completed); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (not both) that you have made as a part of this unit of study. (Example: homemade flashlight, simple switch, circuit with two batteries and one light bulb, compass, electromagnet, galvanometer, electric motor, etc.). The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-Record (25 percent) and quality of the exhibit (75 percent).

INVESTIGATING ELECTRICITY—UNIT 2

Class 704	Investigating Electricity	Jr.
Class 705	Investigating Electricity	Int.
Class 706	Investigating Electricity	Sr.

Exhibit will consist of the following:

A. Completed 4-H Electric project manual (at least three required activities completed; at least four Optional activities -Brain Boosters completed; at least two leadership activities completed); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (not both) that you have made as a part of this unit of study. (Example: circuit diagrams with explanation, series circuit, parallel circuit, momentary switch, three-way switch, soldered connection, rocket launcher, burglar alarm, etc.). The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-Record (25 percent) and quality of the exhibit (75 percent).

WIRED FOR POWER—UNIT 3

Class 707	Wired for Power	Jr.
Class 708	Wired for Power	Int.
Class 709	Wired for Power	Sr.

Exhibit will consist of the following:

A. Completed 4-H Electric project manual (at least three required activities completed; at least four Optional activities -Brain Boosters completed; at least two leadership activities completed); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (not both) that you have made as a part of this unit of study. (Example: electrical tool and supply kit, display of symbols on wires and cables and their meanings, display of light bulbs and the jobs they do best, display board on how to read an appliance name tag, chart showing the electrical usage of appliances, display board on how to replace a switch, etc.). The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-Record (25 percent) and quality of the exhibit (75 percent).

ENTERING ELECTRONICS—UNIT 4 (Senior Advanced)

Class 710	Entering Electronics	Sr.
-----------	----------------------	-----

Exhibit will consist of the following:

A. Completed 4-H Electric project manual (at least three required activities completed; at least four Optional activities -Brain Boosters completed; at least two leadership activities completed); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (not both) which you made as a part of this unit of study. (Example: display of electronic parts, diode, transistor, light-emitting diode (LED), LED flasher photocell alarm, light meter, silicon-controlled rectifier (SCR) intruder alarm, 6-8-watt amplifier with integrated circuit, etc.). The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-Record (25 percent) and quality of the exhibit (75 percent).

Note: For more information on displays and projects: http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf and look under Display Hints and Tips and Project Tips.

Note: Please make sure that all items are attached securely to the exhibit and that they are labeled with the name of the exhibitor.