

CLASS F: 5th YEAR

Lot

1. Useful article for use in farm or home workshop
2. Useful article for use out-of-doors
3. Useful article of furniture or cabinet making
4. Useful article for use in the home
5. Useful article for use in some building other than the home
6. Useful article of farm carpentry
7. Poster on woodworking careers

DEPARTMENT 23J ELECTRICITY

Superintendents & Jr. Fair Board Representatives:
Steve & Cindy Redmond, 715-884-2928

Check General Rules found in the front of the book.

Conference Judging will be followed.

Exhibitors must be present for judging or will be dropped one placing unless excused by Dept. 23J Superintendent. To preserve the quality of your exhibit, batteries should only be brought at judging time.

BEST OF SHOW	ROSETTE
CLASS	A, B C, D
Blue	\$2.00 \$2.50
Red	\$1.75 \$2.25
White.....	\$1.50 \$2.00
Pink.....	\$1.25 \$1.75

CLASS A: 1st YEAR

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

Lot

1. Circuit board
2. Electric question board
3. Scrapbook of electrical experiments
4. Display of wire & usage
5. Simple electric motor-homemade
6. Simple electromagnet
7. Homemade buzzer
8. Galvanometer

9. Any other low voltage device
10. Any other magnetic device

CLASS B: 2nd YEAR

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

Lot

1. Display showing a series circuit
2. Display or project with soldered connections (minimum of 4 solders)
3. Display showing a parallel circuit
4. Simple electric motor-homemade
5. Panel exhibit of small electric motor – (use motor, take apart & display on panel, label, describe)
6. Test lamp
7. Rocket launcher
8. Three-way switch
9. Display of fuses with descriptions of how they work
10. Display of light bulbs and uses

CLASS C: 3rd YEAR

Open to members enrolled in "Wired for Power" or members of other youth organizations doing equivalent work.

Lot

1. Trouble light
2. Light duty extension cord
3. Heavy duty extension cord
4. Homemade lighting device
5. A rewired project
6. Display of wire types used in residential construction
7. Display of a 3-way and a 4-way switch using 120 volt (standard household current)
8. Drawing or electrical blueprint of a new construction project or a remodel project
9. Display of a switched outlet series of 2 or more outlets, and a ½ switched outlet
10. Display using a GFI outlet and a regular outlet
11. Display of entry system
12. Display of entrance panel

CLASS D: 4th YEAR

Open to members enrolled in "Entering Electronics" or members of other youth organizations doing equivalent work.

Lot

1. Project using a photo cell
2. Display showing types of circuits
3. Poster showing and defining electronic symbols
4. Project using a diode
5. Project using transistors (minimum of 2)
6. Burglar alarm
7. Project using capacitors (minimum of 2)
8. Build a simple radio
9. Wiring layout of your home or other building
10. Display showing and defining various electrical components
11. Homemade electrical device using circuitry
12. Display with schematic drawing of an electrical control system

DEPARTMENT 24J

MECHANICAL SCIENCE

Superintendents & Jr. Fair Board Representatives:
Steve & Cindy Redmond, 715-884-2928

Check General Rules found in the front of the book.

Conference Judging will be followed.

All members must be present for judging or will be dropped one placing unless excused by Dept. 24J Superintendent. Panel exhibits no larger than 3' x 4'.

BEST OF SHOW	ROSETTE
Blue	\$2.50
Red	\$2.25
White.....	\$2.00
Pink.....	\$1.75

CLASS A

Lot

1. Scrapbook, poster or exhibit on tractor maintenance
2. Automotive exhibit, scrapbook, or chart
3. Miniature scale model display showing stopping distances required for different road conditions at different speeds

4. A poster on tractor, automotive, ATV or snowmobile safety
5. Display of one piece of toy farm machinery (and an explanation of its operation and its parts)
6. Display of toy farm (cannot exceed 24" x 42" in size. Maximum height 14". Anchor or glue all parts to base. On a 5" x 7" note card that is mounted to the top of the base, tell a story of what your farm scene represents). May split grade 4-6/7 & up if needed.
7. Display of railroad scene (cannot exceed 24" x 42" in size. Maximum height 12". Anchor or glue all parts to base. On a 5" x 7" note card that is mounted to the top of the base, tell a story of what your theme scene represents)
8. Any other project not listed above

CLASS B: 1st YEAR

Open to members enrolled in projects "Crank It Up" or members of other youth groups doing equivalent work.

Lot

1. Panel exhibit of small engine parts with identification of parts
2. Poster illustrating steps in a small engine service job
3. Poster showing correct steps in preparing a small engine for off-season storage
4. Small engine safety poster

CLASS C: 2nd YEAR

Open to 4-H members enrolled in "Warm It Up" or members of other youth groups doing equivalent work.

Lot

1. Panel exhibit showing diagram of ignition system, fuel system, or lubrication system (actual parts may be used)
2. Panel showing worn or faulty engine parts with a statement as to cause and prevention
3. Poster showing the events in a four cycle engine with a brief explanation

CLASS D: 3rd YEAR

Open to 4-H members enrolled in "Tune It Up" or members of other youth groups doing equivalent work.