

## COMPUTERS Department 21

### Check-In:

Tuesday, 6 - 8 p.m., Exhibition Hall

### Judging:

Tuesday, 6 - 8 p.m. Individual Conference Judging, Exhibition Hall

**Department Chairperson:** Rachel Becker - (608) 220-2513

**Eligible 4-H Project Areas:** Computers

*\*\*Due to the unknowns associated with COVID-19, ALL information listed in the Dane County Fair Premium Book is subject to change at the Fair Board's discretion.\*\**

### Regulations:

- These self-determined creative computer projects will make use of computers or computer technology in activities with focus on one of these goals: community involvement, healthy living, caring for others or creative/organized learning.
- Bring a display of your project to leave on display during the Fair.** A display may be a report, a model, photos, poster or actual article
- If your project is to be demonstrated on a computer, you must bring your own computer for judging.** Be prepared to discuss your project using the display in case of computer or internet failure.

### Premiums:

<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
\$2	\$1.75	\$1.50	\$1.25

## CLASS A. Computers

### Lots:

- Poster about "The Importance of Computers in Our Lives"
- \*\*NEW THIS YEAR\*\*** Presentation 5 - 10 slides in length on how to do something. Subject matter is your choice (must be appropriate for the Fair), utilizing presentation software (ex. Microsoft PowerPoint or Google Slides)
- Poster listing all parts of a computer and what they are used for.
- Database on any subject using any database software
- Any computer project done in school
- \*\*NEW THIS YEAR\*\*** Website for an organization (ex. Your 4-H Club, FFA Chapter, athletic team, school club, etc.) to include a minimum of three different screens and some hyperlinks.
- \*\*NEW THIS YEAR\*\*** Magazine, at least 4 - 6 pages in length, with a combination of graphics, photos and text, printed in color, using word processing or desktop publishing software.
- \*\*NEW THIS YEAR\*\*** Computer Programming project in any programming language. Poster should contain a flow chart and some code (or pseudocode).
- \*\*NEW THIS YEAR\*\*** Any original creative animation project using animation software (ex. Adobe Animate, Toonily or Blender)

### Special Awards and Sponsorships:

**Miller & Sons Supermarket** - All ribbons. Trophy to Champion and Rosette to Reserve Champion of each designated class.

## WOODWORKING Department 22

### Check-In:

Tuesday, 1 - 8 p.m., Exhibition Hall

### Judging:

Tuesday, 1 - 8 p.m. Individual Conference Judging, Exhibition Hall

**Department Chairperson: \*\*Chairperson & Superintendents Needed. Please call the Fair office (608) 469-2428.**

**Eligible 4-H Project Areas:** Woodworking

*Exhibitor may only exhibit in the class that corresponds with his/her school grade level as of January 1 of the current year.*

*\*\*Due to the unknowns associated with COVID-19, ALL information listed in the Dane County Fair Premium Book is subject to change at the Fair Board's discretion.\*\**

### Regulations:

- Individual Conference Judging rule requires exhibitors to be present for judging.
- Entries must be finished appropriately for use.
- You may only enter 1 item per lot.**
- Purchased legs for entries are permissible. However, this **must** be noted on the entry tag.
- Items must be made from scratch, no kits (unless specifically listed: Class A Lot 9, Class B Lot 10)
- Exhibitors are required to complete and attach a 3"x5" card with an explanation of the work done, including but not limited to: Tools used, Wood type, Type of finish, Number of finish coats and Intended use. The card will be supplied to your club leader by the Fair Office.

### Premiums:

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
Class A	\$2	\$1.75	\$1.50	\$1.25
Class B	\$2.25	\$2	\$1.75	\$1.50
Class C	\$2.50	\$2.25	\$2	\$1.50
Class D	\$3	\$2.50	\$2	\$1.50

## CLASS A. Woodworking (Grades 3 & 4)

- Article for use in farm or home workshop
- Article for use outdoors
- Article for use in storage
- Article for kitchen
- Article for living room
- Article for use in home
- Toy or homemade game
- Creative article from wood or wood/other materials
- Article made from kit
- Article made in school
- Poster of common woodworking tools
- Display of different nails and screws
- Poster of woodworking safety practices

## CLASS B. Woodworking (Grades 5 & 6)

- Article for use in farm or home workshop
- Article for use outdoors
- Article for storage
- Article for kitchen
- Article for living room
- Article for use in home
- Toy or homemade game
- Creative article from wood or wood/other materials
- Exhibit of different kinds of wood, properly identified
- Article made from kit
- Article made in school
- Display of different species of wood
- Display of different finishes
- Plan for a wooden item drawn to scale

### CLASS C. Woodworking (Grades 7 & 8)

- 1) Article for use in farm or home workshop
- 2) Article for use outdoors
- 3) Article for storage
- 4) Article for kitchen or living room
- 5) Article for use in home
- 6) Toy or homemade game
- 7) Creative article from wood or wood/other materials
- 8) Refinished article with explanation of steps used in refinishing
- 9) Article made in school
- 10) Poster of different types of wood clamps
- 11) Display on different wood fasteners

### CLASS D. Woodworking (Grades 9+)

- 1) Article for use in farm or home workshop
- 2) Article for use outdoors
- 3) Article for use in storage
- 4) Furniture or cabinet making
- 5) Article for use in home
- 6) Creative article from wood or wood/other materials
- 7) Article made in school
- 8) Display of different adhesives
- 9) Display of different types of wood stains
- 10) Exhibit of different kinds of wood, properly identified, with explanation as to how and when used
- 11) Exhibit of wood joints and explanation of use
- 12) Exhibit of finishing materials, such as fillers, stains, varnishes, etc.
- 13) Repaired or refinished article, explanation of steps used
- 14) Poster of advanced woodworking tools

#### Special Awards and Sponsorships:

**Miller & Sons Supermarket** - All ribbons. Trophy to Champion and Rosette to Reserve Champion of designated classes.

## ELECTRICITY Department 23

#### Check-In:

Tuesday, 1 - 8 p.m., Exhibition Hall

#### Judging:

Tuesday, 1 - 8 p.m. Individual Conference Judging, Exhibition Hall

**Department Chairperson:** Mike Iselin - (608) 445-9367

**Superintendents:** Ron Rogers - (608) 886-2046

**Eligible 4-H Project Areas:** Electricity

*\*\*Due to the unknowns associated with COVID-19, ALL information listed in the Dane County Fair Premium Book is subject to change at the Fair Board's discretion.\*\**

#### Regulations:

1. For safety reasons, please inspect your project at home before use at the Fair.
2. Electric plugs must be the "put together" type.

<u>Premiums:</u>	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
Class A	\$1.75	\$1.50	\$1.25	\$1
Class B	\$2	\$1.75	\$1.50	\$1.25
Class C	\$2.25	\$2	\$1.75	\$1.50
Class D	\$3	\$2.50	\$2	\$1.50

### CLASS A. Magic of Electricity - Unit 1

- 1) Display of simple switch
- 2) Alternating current display
- 3) Electric question board
- 4) Steady hand tester
- 5) Simple electric attraction and repulsion exhibit  
(Securely attach a 3"x5" card explaining how it works.)
- 6) Simple static electrical generator  
(Securely attach a 3"x5" card explaining how it works.)
- 7) Display showing wiring in a simple circuit
- 8) Display showing closed/open circuits
- 9) Display on conductors
- 10) Display on magnetism
- 11) Display on electrical energy transferred into motion

### CLASS B. Investigating Electricity - Unit 2

- 1) Homemade electric motor
- 2) Display showing a simple step-down transformer  
(Securely attach a 3"x5" card explaining how it works.)
- 3) Display of a simple electromagnet
- 4) Simple homemade buzzer
- 5) Display showing circuit diagrams with explanation
- 6) Example of series circuit with explanation
- 7) Example of parallel circuit with explanation
- 8) Momentary Switch
- 9) Three Way Switch
- 10) Display showing a soldered connection
- 11) Rocket Launcher
- 12) Burglar Alarm

### CLASS C. Wired for Power - Unit 3

- 1) Poster showing five types of lighting with a written explanation of how this is defined
- 2) Diagram or photographs of electrical improvements made at home
- 3) Wiring layout of your home or other building
- 4) Electrical Tool and Supply Kit
- 5) Display of symbols on wires and cables and their meanings
- 6) Constructed or repaired light - duty extension cord  
(Attach a 3"x5" card explaining work performed.)