

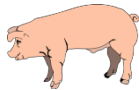




4-H LIVESTOCK AUCTION



Kendall County 4-H Fair Auction
SATURDAY, AUGUST 3, 2019
Kendall County Fairgrounds - 6 pm



All Buyers Welcome!
Individuals, Firms, and Organizations



Thank You to Our 2018 Buyers!

Buyers:

*4 Seasons Landscaping Plus, Yorkville
*Additives International, - John Gribble
 *Bobs Septic, Yorkville
 Brad Eike, Yorkville
*Brian & Tracy Zabel, Newark
*CHS, Jerry Whalen, Newark
Clearview Pork Farms, Morris
*Compeer Financial, Ottawa
D Construction Inc., Coal City
*Dan Kramer Law Office, Yorkville
Dick & Sharon Kuhn, Oswego
Dieter Trucking, Naperville
*First Midwest Bank, Morris
*First National Bank, Sandwich
Fox Ridge Stone Company, Oswego
Gary & Jodi Brummel, Newark
GP Nelson Farms LLC, Ottawa
*Grainco FS Inc., Ottawa
*Grundy Bank, Morris
H & H Stone, Bolingbrook
Heartland Bank & Trust, Somonauk
Holland & Sons Inc., Mendota
J W Well & Pump, Yorkville
Jeff & Rebekah Brummel, Plano
Jeff & Mary Schobert, Yorkville

*Jim & Joyce Frankino, Oswego
 *John Shaw, Yorkville
 Keith Wheeler, Oswego
 *Kellogg Farms, Yorkville
*Kendall County Pork Producers
Konicek Family Partnership, Plano
Konicek Farms, Plano
Mark Dieter, Ottawa
*Mark Johnson Insurance, Minooka
Millbrook Insurance agency, Millbrook
Nelson Funeral Homes, Yorkville
R Cooper Family Farms LLC, Yorkville
*Roth Jorstad Insurance, Morris
Russ Anderson Snowplowing, Sheridan
Russel Boe, Ottawa
Schobert Farms, Yorkville
*Seed Source LLC—Matt Kellogg, Yorkville
Sheriff Dwight Baird, Yorkville
Showtime Sires, Newark
*Smokey's Wood Pit, Yorkville
State's Attorney Eric Weis, Yorkville
*Stewart Farms, Yorkville
*Templeton Property Con., Oswego
Wayne & Lois Konicek, Plano
*Winding Creek Nursery, Millbrook
Wyffel's Seed – Don Brummel, Plano

Donations:

Ag Tech Services Inc., Sandwich
Jason Fleming, Plano
Kendall County Pork Producers
Kendall-Grundy Beef Association
Rural King, Plano

Trucking:

Glen Nelson, Sheridan
Severson Bros. Inc., Minooka
Kevin Kuhn, Sheridan

Auctioneers:

Brian DeBolt, Plano
Dick & Erik Olson, Morris

Photographer:

Jerry Bannister, Yorkville

*Special thanks to Winding Creek Nursery for
the plants & flowers for the picture area.*

**Purchased more than one animal*

2019 KENDALL COUNTY 4-H SHOW SCHEDULE

Thursday, August 1 – Sunday, August 4

Saturday, April 6

12 to 1 p.m. Check-in
1 p.m. Judging

Public Speaking Show

Kendall Extension Office

Friday, April 12

4:30-6:45 p.m. Check-in &
Judging
7-8:30 p.m. Open to the Public

Passport to the World Club Project

Smith 4-H Hall

Wednesday, June 19

5:30-6 p.m. Check-in
6 p.m. Judging

Dog Show

St. Charles Fairgrounds
Robinson Hall

Wednesday, July 10

2-3 p.m. Check-in
3 p.m. Judging

Horse Gaming Show
(rain date: July 11)

Harris Forest Preserve
Horse Arena

Saturday, July 13

8-9 a.m. Check-in
9 a.m. Judging

Horse English Pleasure Show
(rain date: July 20)

Harris Forest Preserve
Horse Arena

Sunday, July 14

9-10 a.m. Check-in
10 a.m. Judging

Horse Western Pleasure Show
(rain date: July 20)

Harris Forest Preserve
Horse Arena

Tuesday, July 23

6:30 p.m. weigh-in

Beef Rate of Gain

David Wheeler Farm

Wednesday, July 24

9-10:30 a.m. Check-in
9:15 a.m. till complete
6-6:30 p.m. Check-in
6:45 p.m.
7 p.m. Judging

Clothing Show
Judging of Individual projects
Fashion Revue
Group Photo

Yorkville Cong. Church

Yorkville Cong. Church

Sunday, July 28

9 a.m.
10 a.m.
11 a.m.
Noon

Livestock Set-up
Gen. /Home Ec. Set-up
Livestock Auction Meeting – 1 & 2 yr. participants
All Superintendents Meeting

Livestock Areas
Smith 4-H Hall
Food Tent
Food Tent

Tuesday, July 30

4-6 p.m. Check-in
4 p.m. till complete -Judging

4:45 p.m. Check-in
5-6 p.m. Judging

Community & Personal Development,
Engineering & Technology, Home & Family,
Natural Resources (weather), Photography
Bicycle and Welding

Smith 4-H Hall

Smith 4-H Hall

Wednesday, July 31

2-8 p.m.
3:30 p.m. Check-in
4-6 p.m. Check-In
4 p.m. till complete – Judging
4-6 p.m. Check-in
4-p.m. till complete - Judging
4-6 p.m. Check-in
5:45 p.m. Check-in
6-7 p.m. Judging

Livestock Check-in and Weigh-in
Cloverbuds (3:30-4:30 p.m. Sharing Time)
Foods, Plants & Soils (Crops & Horticulture),
Visual Arts
Floriculture

Clothing Projects
Knitting, Crocheting, Stitchery (Visual Arts)

LSA*
Education Building
Smith 4-H Hall

Education Building

Smith 4-H Hall
Smith 4-H Hall

Thursday, August 1

8 a.m.	Sheep Show	LSA*
8:30 a.m.	Goat Show	LSAS*
Noon	Flag Raising and Opening Ceremony	Flag Poles
4 p.m.	Poultry Show	Poultry Bldg.- West End
5:30 p.m.	Swine – Breeding Gilts	LSA*

Friday, August 2

8:30 a.m.	Swine-Purebred & XBred Barrows, Market Gilts	LSA*
9 a.m.	Rabbit Show	Rabbit Tent
9 a.m.	Dairy Show	LSAN*
4:45 p.m.	4-H King & Queen Crowning	Family Stage

Saturday, August 3

9 a.m.	Beef Show	LSA*
9:30–10 a.m. Check-in	Cat Show	Education Bldg.
10 a.m. Judging		
6 p.m.	4-H Livestock Auction	LSA*

Sunday, August 4

10:30 a.m.	Master Showmanship Contest	LSAS*
3:30 p.m.	Fashion Revue	Family Stage
3:45 p.m. Line-up	4-H Parade of Champions (begins 4 p.m.)	Family Stage
4:30 p.m.	Smith 4-H Hall Closed to the Public	
5 p.m.	All Fair Exhibits Released	
5 p.m.	Clean-up of Fairgrounds begins	

*LSA=Livestock Show Arena - LSAN=Livestock Show Arena-North ½ - LSAS=Livestock Show Arena-South ½



2019 GENERAL FAIR INFORMATION

Kendall County Fair Association

PO Box 149
Yorkville IL 60560
Phone: 630-553-2860
Fax: 630-553-5624

email: kcf@kendallcountyfair.org

web: <http://kendallcountyfair.org>

Kendall County Fair Open Show Fairbook

Admission, Entry Forms, Classes and Schedule - <http://kendallcountyfair.org/>

Fair Hours

Thursday 8am-11pm • Friday 8am-11pm • Saturday 8am-11pm • Sunday 8am-5pm

Admission

- 4-H members meeting requirements will receive a wristband from their 4-H Leader.
- 4-H Leaders and Superintendents will receive either a wristband or season pass.
- Parents and non 4-H siblings (5+ yrs.) will need to pay the entry fee beginning Thursday at 8am.
 - See <http://kendallcountyfair.org/> for pit pass and carnival ride information.

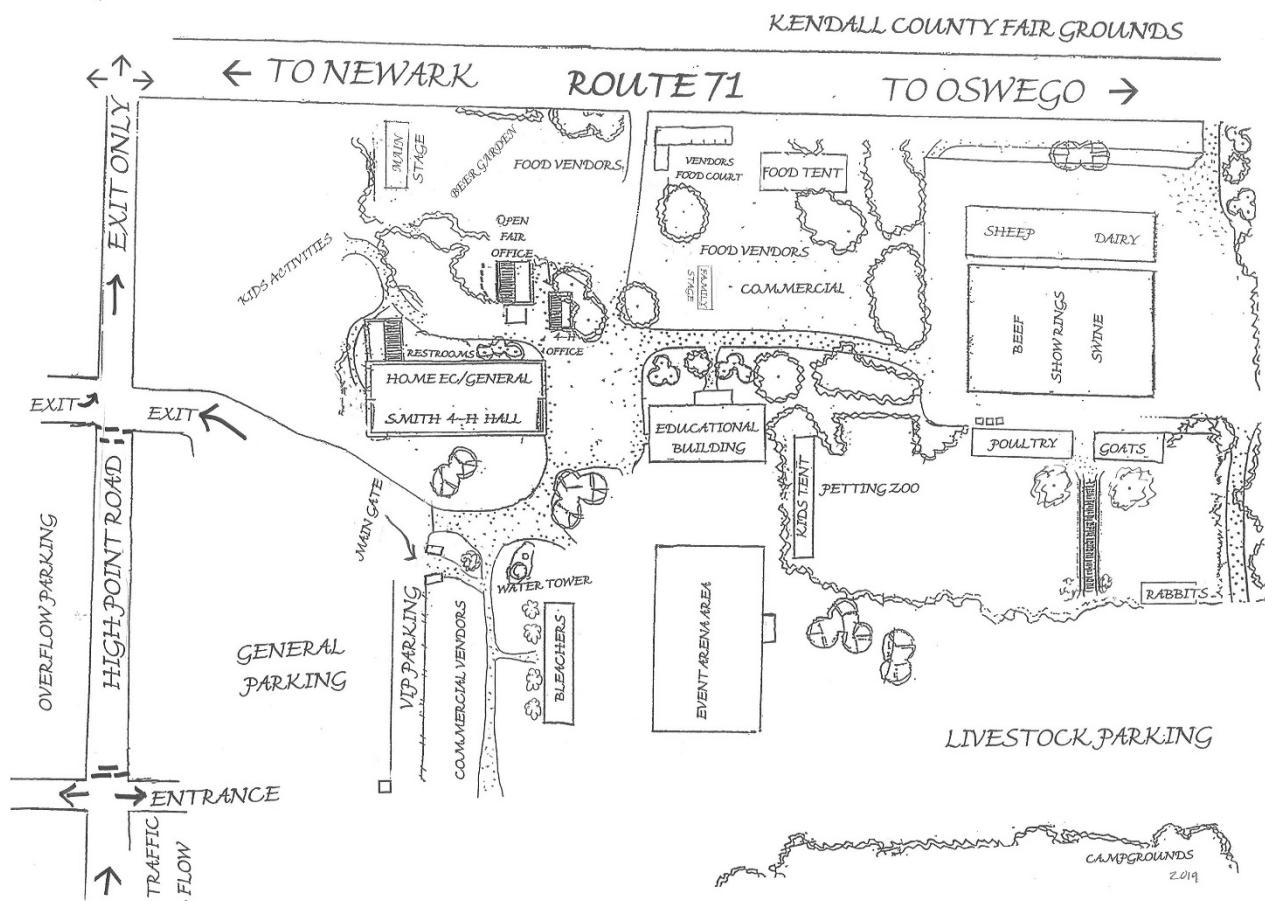
Livestock Information

Exhibition Livestock Health Requirements for County/State Fairs are updated annually:

<https://4h.extension.illinois.edu/programs/animal-sciences/livestock-issues>

Open Class Livestock Division

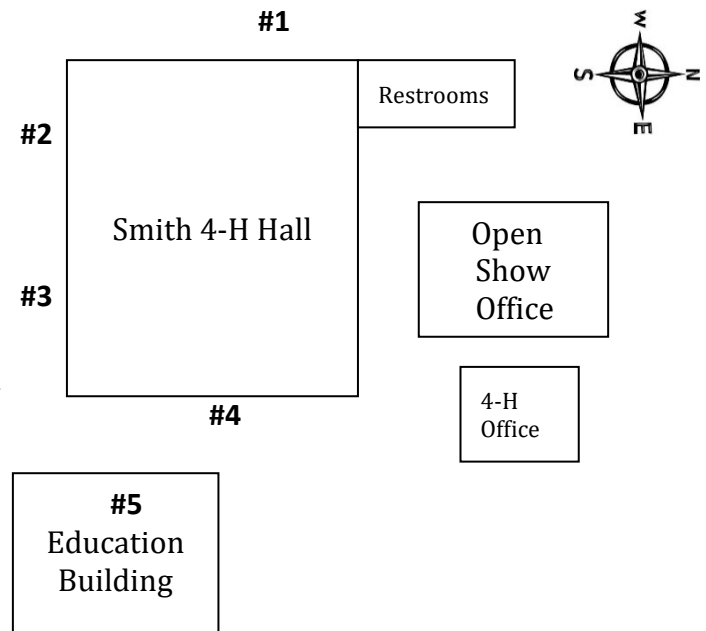
<http://kendallcountyfair.org/>



SMITH 4-H HALL

CHECK IN PROJECTS AT THESE LOCATIONS...

- #1) 4-H Foods - Wednesday
- #2) 4-H Visual Arts - Wednesday
- #3) Open: All Departments - Wednesday
(Except Floriculture)
- #4) 4-H Clothing-Weds., Community & Personal Dev.-Tuesday
Plants & Soils-Weds., Engineering & Technology-Tuesday,
Home & Family, Natural Resources, Photography - Tuesday
- #5) 4-H & Open Floriculture & 4-H Cloverbuds - Wednesday





4-H is the youth program of the University of Illinois Extension. It is a voluntary, informal education program for boys and girls who are ages 8 to 18 by September 1 of the current 4-H year. 4-H is open to everyone regardless of race, religion, color, gender, marital status, familial status, national origin, ancestry, sexual orientation including gender identity, unfavorable discharge from the military or status as a protected veteran, disability, or political belief.

Additionally, 4-H Cloverbuds is a program for youth ages 5 to 7 by September 1 of the current 4-H year. Funding for Extension and 4-H comes from the United States Department of Agriculture (USDA), the State of Illinois, and local county boards. A variety of private donors also fund Extension and 4-H. At the University of Illinois, Extension and 4-H are a part of the College of Agriculture, Consumer and Environmental Sciences. 4-H gives kids a chance to learn NEW things, develop NEW skills, travel to NEW places; experience NEW situations, make NEW friends, and most importantly have lots of FUN!

UNIVERSITY OF ILLINOIS EXTENSION

DuPage-Kane-Kendall Counties

Branch Office – Kendall County

7775B Illinois Route 47

Yorkville, IL 60560

Phone: 630-553-5823 Fax: 630-553-5871

Web: <http://web.extension.illinois.edu/dkk>

E-mail: uie-dkk@illinois.edu

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Laura Walker, Extension Educator, Nutrition and Wellness

Richard Hentschel, Extension Educator, Horticulture

Donna Nuger, 4-H Youth Metro Educator

Rosie Ralston, Publicity and Promotion Specialist

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Kim Olson, Office Support Associate

Nayaab Sattar, Extension Education, Illinois Nutrition Education Program

COLLEGE OF AGRICULTURAL, CONSUMER & ENVIRONMENTAL SCIENCES

University of Illinois | U.S. Department of Agriculture | Local Extension Councils Cooperating

University of Illinois Extension provides equal opportunities in programs and employment.

If you need a reasonable accommodation to participate, contact your local Extension office.

Early requests are strongly encouraged to allow sufficient time for meeting your access needs.



The Kendall Fair Association, Inc. is the official sponsor and governing board of the Kendall County Fair recognized by the Kendall County Board.

The objectives of the corporation are:

- *to further the educational objectives of the 4-H program in agriculture and home economics
- *to improve and encourage the breeding of fine stock and poultry
- *to stimulate the study of arts and sciences
- *to hold and give an annual fair where the products of the same may be exhibited
- *to do any and all other things that are necessarily incident thereto

2018-2019 Board of Directors

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Lea Ann Koch, 1st Vice-President

Tracy Kuhn, 2nd Vice-President

Nikki Dierzen, Secretary

Lisa Olah, Treasurer

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Bryan Steininger

Doug Thanepohn

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Wyatt Williamson

Emeritus: Lisa Anderson, Colleen Konop, Randy Mohr, Wayne Mundsinger,

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4-H SHOW REQUIREMENTS
UNIVERSITY OF ILLINOIS EXTENSION, KENDALL COUNTY
Fair Entry website: fairentury.com
PHONE: 630-553-5823 - FAX: 630-553-5871

ELIGIBILITY REQUIREMENTS

1. Exhibitors ages 8-18 must be enrolled as 4-H members in Kendall County by April 1, 2019.
2. Only projects that 4-H members are enrolled in as of April 1, 2019 may be entered and shown at the 4-H Show.
3. Projects must be chosen and entered at the fair entry website fairentury.com by midnight June 21, 2019.
4. 4-H members who are approved members in good standing (see 4-H leader), will receive a wristband for free entrance to the fairgrounds and be allowed to enter 4-H projects and receive premiums.
5. Livestock projects have additional requirements. See Livestock information on page 3 for specific details.
6. **4-H Show Entries** – Entries will be completed online by **midnight, Friday, June 21**.
7. **Horse & Pony** - Complete Quality Assurance & Ethics online training by **May 1, 2019**. Submit a horse lease/ownership paper and a 4" x 6" photo of each side of the horse (for each horse) by **May 1** (current negative Coggins test is due by **May 1**) to the Extension Office. Forms can be found at <http://web.extension.illinois.edu/dkk/kendall4h/2889.html>. **State 4-H Horse Show** entries are due to the Extension Office by **May 22** for mailing to the State (due to State June 1 – show is July 22-28).
8. **All Animal Projects: Quality Assurance & Ethics (QA&E) must be completed by May 1**. See livestock section on page 4, #18 for this important information. QA&E is required for both live animals and animal poster exhibits.
9. **Swine – YQCA** is the training that is needed if youth are using the marketing system at the fair. See livestock section on page 3, #17 for this important information.
10. **Dogs** – All 4-H members and their dog(s) must attend at least **6 weeks of dog obedience training**; see page 17 under eligibility.
11. **Illinois State Fair** - General & Home Economics; members must have turned 8 by September 1, 2018, been chosen during the 2019 County 4-H Show. 4-H members showing livestock and horses at the IL State Fair must also follow requirements for YQCA, QA&E training and Premise ID. For State Fair information see page 4.

CLOVERBUDS

4-H Cloverbuds is for youth ages 5-7, as of September 1, 2018. Members enrolled in a Kendall County 4-H Cloverbud group by April 1, 2019 may participate with their group in a sharing opportunity and receive a participation ribbon. Refer to page 48 for more information.

ACCOMMODATIONS

If you need a reasonable accommodation to participate in the 4-H portion of the Kendall County Fair, please contact the Extension office at 630-553-5823 by July 3, 2019.

EXHIBIT/ENTRY FEES

Exhibit fees are not required for entering 4-H projects. *4-H members (see #3 above under Eligibility); Passes for fair entrance: 4-H Members (wristbands, see #4 above), 4-H Leaders (wristbands), 4-H Superintendents (not also serving as a 4-H Leader, season pass). All others, including parents & family of 4-H members, will be required to pay fair admission. See the Kendall County Fair website for admission information. <http://kendallcountyfair.org/>*

EXHIBITS

1. All exhibits must be part of the current year's 4-H project (i.e. September 1, 2018 –August 1, 2019). To participate in the 4-H show at the fair, members must meet all deadlines, see Eligibility section above.
2. All exhibits must be the property of the exhibitor or a registered lease or partnership.
3. 4-H members are responsible for their own entries. All possible precautions will be taken to protect the exhibits and personal property. University of Illinois Extension and the Kendall County Fair Association are not responsible for lost, stolen, or damaged items.
4. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. The Kendall County Extension Staff reserves the right to not display exhibits deemed inappropriate for youth audiences. Project will be judged, but not displayed.
5. All exhibits requiring an official entry tag must have one.
6. ***Starred classes are eligible to be selected for State Fair. See State Fair information on page 4.**
7. Exhibitors will be limited to one (1) entry per class, except when specified in the division regulations, i.e. Livestock/Horticulture Vegetable Plate.
8. The 4-H project categories are listed at the beginning of each Division. To be eligible to exhibit in that Division, youth **MUST** be enrolled in a project in one of the project categories listed. In addition, youth **MUST** be enrolled in the **appropriate project** for that exhibit class. For example, you would like to enter a woods project at the fair; you must be enrolled in one of the woodworking project categories. You are enrolled in Woodworking 1, thus you must enter your woods project in the Woodworking 1 class.

9. **INNOVATION CLASSES** are open to all 4-H members in the project areas listed. Members choosing to exhibit in the Innovation class may be enrolled in any level of the project they are studying. Members choosing to exhibit in the Innovation class decide the best way to show off their project mastery and knowledge for the year in that project category. Your exhibit should not fit in other exhibit options for this project. Some suggestions are provided for each category, but members may choose any method they want for demonstrating project learning as long as it does not fit in any other class in that category. Only selected projects categories have an Innovation option.
10. **READY4LIFE CLASSES (Career & Entrepreneurship Exploration)** are open to any 4-H member who was **at least 11 by September 1, 2018**. Members choosing to exhibit in the Ready 4 Life class may be enrolled in any level of the project they are studying. Exhibits should show the connection between the project area and related career or business opportunities. Members may choose any method they want for demonstrating project learning.
11. **MAKER CLASSES:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
 - Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

CHECK-OUT/RELEASE TIMES





1. Special release times are noted in division policy section. All projects will be released **at 5 p.m. Sunday, August 4** with the exception of animals sold in the auction which will be released at 4 p.m. **Projects taken before 5 p.m. will receive one lower rating. All projects should be picked up by 6 p.m.** After that time, the building will close and projects can be picked up the next day at the Extension Office. If projects are not picked up within one week's time, they will be discarded.
2. In order to prepare for project check-out on Sunday evening, Smith 4-H Hall and the Education Building will be closed to the public beginning at 4:30 p.m. *(4-H Parade of Champions will line up at 3:45 at the east entrance of Smith 4-H Hall and begin at 4:00 on the Family Stage, see page 4, ribbons/trophies/banners #2.)*

CONFERENCE JUDGING – GENERAL & HOME ECONOMICS PROJECTS







1. At project check-in you will sign in and go to the designated waiting area until you meet with a judge. ONLY 4-H members (not parents) are allowed in the building during conference judging times.
2. **All General and Home Economics projects will be conference judged.** For conference judging, exhibitors should be prepared to discuss with the judge: a) Process followed in making the exhibit. b) What you learned. c) What you might do differently next time.
3. **Conference judging:** brings 4-H members and judges together to evaluate project exhibits; provides a unique opportunity for 4-H exhibitors to learn from the experience and knowledge of the judge; involves communication one-to-one in which judge and exhibitor talk directly with each other.

Here are a few other benefits that can result from this teaching moment:

The 4-H Exhibitor Can...

-  Explain what he or she was trying to do (goals and objectives).
-  Describe methods and processes used to produce the exhibit.
-  Listen carefully to the judge so that he/she can accept constructive criticism, and learn from it.
-  Remember, judging comments can be helpful, but they are only one person's evaluation.

The Conference Judge Can...

-  Find out what the 4-H exhibitor wanted to achieve.
-  Ask about the most enjoyable moment of the project.
-  Show the 4-H exhibitor that the exhibit is being judged, not the person.
-  Consider the feelings of the person...make the exhibitor feel good about efforts to prepare the exhibit.
-  Hear what process was used to create the exhibit.
-  Ask if the 4-H exhibitor would make any changes.

Continued on next page...

4-H members unable to participate in conference judging may have another 4-H member (no parents or club leaders) substitute for them or provide written answers to the questions in the above #2 paragraph. If using a conference-judging substitute, indicate this to the Division Superintendent during check-in. The 4-H member must give the substitute written answers to questions a, b, and c listed in the above #2 paragraph. Written answers should be on a 4" x 6" note card and included with the exhibit (use both sides, if needed). Provide written answers during check-in. **Failure to provide written answers will result in a lower ribbon rating.**

4. Improperly entered Exhibits, or incomplete Exhibits according to class exhibit requirements, will be graded ONE rating lower (i.e. description sheet missing or unfinished project).

5. The judge's decision is final unless the exhibitor has not followed the guidelines or rules for that exhibit class.

6. Refer questions to the appropriate superintendent, with final decisions made by Extension office staff.

7. Projects brought in after scheduled check-in time may be judged, if judge is available, and will be lowered one ribbon rating.

8. Blue, red or white ribbons will be awarded for each exhibit class. A blue ribbon means the exhibit meets the project standards; red, needs improvement to meet the project standards; white, needs much improvement to meet the standards. Special, class champions, champions, and state fair ribbons are awarded at the judge's discretion.

LIVESTOCK - All 4-H livestock exhibitors please read this section.

1. 4-H members are expected to show their own livestock projects. If a conflict occurs, the member may request from the superintendent of that division that another 4-H member substitute for them (i.e. 2 hogs in same weight class).

2. All livestock exhibits must follow **County/State Fair Exhibition Livestock Health Requirements**. These are updated annually, <https://4h.extension.illinois.edu/programs/animal-sciences/livestock-issues>. No animals are unloaded until health papers are checked and approved by superintendent.

3. Breeding stock must be registered in the exhibitor's name and all papers must be in the exhibitor's name, not farm, family or firm names. Registration papers will be checked at weigh-in and need to be presented upon request.

4. This is a non-terminal swine show.

5. *Livestock must be broke and under control at all times. At the discretion of Livestock Superintendent or Extension staff, animals may be deemed unsuitable for exhibit and may be required to be taken home.*

6. All livestock exhibits should be properly earmarked, tattooed, or tagged for ID and have Registration papers available on all purebred animals upon the request of the Superintendent at any time during the fair.

7. Bark bedding for the beef division supplied by the fairgrounds, will be paid for by the **Kendall-Grundy Beef Association**. **They pay the \$4.00 fee for 4-H members enrolled in Beef.** No other bedding for beef animals is allowed.

8. **Horse & Pony:** See Eligibility and deadlines on page 1, #7.

9. **Jr. Showmanship** (ages 12 and under as of September 1, 2018) can only be won once by the exhibitor (all livestock divisions). Jr. Showmanship winner will compete in Sr. Class the following year.

10. **Sr. Showmanship** (ages 13 and over as of September 1, 2018) winner may win up to 2 consecutive years in Sr. Div., then must not compete in showmanship class for at least one year. Winner may again compete after that year.

11. **Master Showmanship Contest.** One exhibitor (14 years of age or older at the time of the state event) will be chosen at the Kendall County Fair & 4-H Show to attend the IL State Fair Master Showmanship Contest. *Participants need to help set up ring after the Auction on Saturday night to be able to participate in the competition Sunday, see page 5.*

12. The Kendall County Fair Association will enforce the Illinois Humane Care for Animals Act law which prohibits the physical mistreatment of animals during the fair. **Persons found mistreating animals will not exhibit and may be dismissed from the fairgrounds.** Exhibitors are required to follow all labeled livestock drug withdrawal guidelines. For information regarding specific situations, contact the Livestock Coordinator through the open show fair office.

13. A veterinarian is on the grounds, or available, throughout the fair, upon request of fair officials.

14. Each livestock exhibitor is required to feed, water and clean the stalls/cages etc. of their own livestock by 10 a.m. daily.

Failure to comply with this rule may result in one rating lower. The stalls will be cleaned out before animals can be released. To participate in the fair it is the expectation that 4-H members participate in general cleanup of the livestock area.

15. The 4-H members will complete grooming of animals. Only immediate family members (mother, father, brother, sister) will be allowed to assist. **Failure to comply with this rule will result in a lowered rating.**

16. Twining or use of fake hair on animals will not be allowed. Animals will be subject to a white towel test.

17. **Swine** project youth planning to use the *marketing process at the Kendall County Fair* **must complete** the new YQCA training. Paperwork will be checked at weigh-in at the fair. **If you do not complete the training, the Auction Committee cannot sell or ship your animal.** The link to complete the training, is: www.yqca.org. This will need to be done **yearly**, 4-H is NOT providing training or tracking youth completion. Swine, also see #19 below for Premise ID information.

18. **ALL 4-H Animal Project members** (beef, dairy, goats, poultry, sheep, swine, rabbit, cat, dog and horse and pony) **must complete at least one specie** in the **Quality Assurance & Ethics Certification Training**, **whether they are showing the actual animal or a poster in Animal Science**. The QA&E program is located at: <http://web.extension.illinois.edu/qaec/>. **4-H members need only complete QA&E training ONE time in their 4-H career**. *If a 4-H member has completed this training in another county, they will need to show proof of completion to the Kendall County 4-H office; Kendall County does not have access to other counties. **Deadline for completion is May 1.***
19. **Swine Premise ID** – Optional for all- **except** it is **mandatory** for swine sold through the marketing process at the Kendall County Fair (must be on ear tag); and State Fair Jr Dept. Barrow entries. Register your premises easily and at no cost by **downloading the Registration Form** at <https://www.agr.state.il.us/premises-registration/> to submit by email, fax, (217/558-6033) or mail.
20. **FDA Antibiotic Rules** – Antibiotics identified as medically important (to human health) will no longer be available for growth promotion purposes, including for **4-H show animals**. The FDA moved all human medically important feed-grade antibiotics to the Veterinary Feed Directive drug process. Please refer to the **FDA Antibiotic Rules Apply to Youth Livestock Exhibitors** on our website at <http://web.extension.illinois.edu/dkk/kendall4h/2904.html>.

PREMIUMS

1. Premiums paid on the blue, red, or white basis. Dollar amounts given for each will be determined by the “X” factor. **4-H members are allowed to receive only one premium per class exhibited.**
2. *The Department of Agriculture shall use its best efforts to secure sufficient appropriations to fund premiums. Premium monies are dependent on state allocations.*
3. **No Premiums** paid for Cloverbuds.
4. FAILURE TO COMPLY WITH ANY RULES WILL BE CAUSE FOR LOWERING RATINGS BY ONE.
5. Program Participants (including minors) will be required to provide their social security number or foreign national tax ID number prior to receiving a prize, gift or award to ensure proper IRS reporting as required by law. This sensitive information is kept confidential and handled through security protected software (PEAR). Participants will not be eligible for prize, gift or award if social security or foreign national tax ID information is not provided

RIBBONS, TROPHIES & BANNERS

1. Ribbons awarded are blue, red, white, green, class champion, special, state fair delegate, state fair alternate, champion, reserve champion, showmanship, reserve showmanship. Ribbons awarded may vary, by area; i.e. livestock, general and home economics.
2. **Trophies for the general and home economics area are given at 4-H Parade of Champions to be held Sunday, August 4 at 4 p.m. on the Family Stage, line up at Smith 4-H Hall at 3:45 p.m.** Livestock Banners are given out at each of the livestock shows.

STATE FAIR - Information can be found at: <http://web.extension.illinois.edu/4hstatefair> & <http://www.agr.state.il.us/isf/>

GENERAL/HOME ECONOMICS EXHIBITORS

1. The Kendall County 4-H Extension program will pre-select exhibitors at the Kendall County 4-H Show for State Fair.
2. Exhibitors must be currently enrolled as a 4-H member and have been at least **8 years old as of September 1, 2018**. Parents and leaders should make provisions for the adequate care and supervision of exhibitors.
3. Exhibitors must be enrolled in the project, or have participated in the activity, in which they are exhibiting during the current 4-H year. Due to the nature of the conference judging process, **exhibitors must be present** with the exhibit that they have made for judging on their assigned county exhibition day (**Friday, August 9**), no Skype or Face Time sessions will be allowed.
4. Scheduling adjustments for religious reasons; contact the Illinois State 4-H Office @ illinois4H@illinois.edu by August 1.
5. If a 4-H member needs a reasonable accommodation to participate in the General Project Show, please contact the Illinois State 4-H Office @ illinois4H@illinois.edu by August 1, 2019.

ENTRY PROCEDURE:

1. Local Extension offices will make all entries in this division for their 4-H members via 4-H online by August 5, 2019.
2. Each county may make the number of entries allowed in each area as stated.

GENERAL EXHIBIT GUIDELINES:

1. All exhibits must be products of the current 4-H year (September 1, 2018 – August 1, 2019). The same product that is selected at the county level must be the one exhibited at the State Fair (except for Food & Nutrition (must be the same recipe), Crops, Floriculture, and Vegetable Gardening exhibits (must be the same specie/type (i.e. slicing tomatoes, snap beans, onions, etc.)). Modifications can be made to the original county exhibit to meet State Fair class requirements or to incorporate suggested improvements made by the local judge. Determination of exhibit eligibility rests solely with the U of I Extension Assistant Dean and Director, 4-H and designated persons.

2. A 4-H member may enter only one individual exhibit **and** one group exhibit in the 4-H General Project Show. This also applies to exhibitors who are enrolled in projects in two different counties. If they are identified as a state fair delegate in two counties, they will have to choose one individual and/or group project to exhibit.
3. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. The Superintendents reserve the right to remove exhibits deemed inappropriate or dangerous for youth audiences. The content of any 4-H competitive presentation does not necessarily reflect the beliefs or views of Illinois State Fair or the Kendall Extension 4-H program.
4. Some exhibit areas may have size limitations. Read the descriptions carefully. Please choose a display size which is most appropriate for the exhibit you are bringing. Larger does not always mean better; use good judgment in creating your exhibit. Exhibitors will need to carry their project from the distant parking lots on the fairgrounds.
5. INNOVATION CLASSES - READY4LIFE CLASSES – MAKER CLASSES: See page 2, #s 9, 10 & 11.

EXHIBIT JUDGING PROCEDURE & SCHEDULE:

1. The County Extension office will provide official exhibit tags for all exhibitors prior to the state fair. This entry tag should be completely filled out and securely attached to the exhibit. Remove county exhibit tags and ribbons.
2. All **Kendall County** exhibitors will exhibit the same day (**Friday, August 9**). A 4-H member may also show in the junior livestock show, but must be present at the required time for their general project judging. Attempts will be made to accommodate livestock exhibitors within the judging time span, but no premium will be awarded if the exhibitor misses their judging time.
3. The General Project Exhibit will be held in the Orr Building of the state fairgrounds. Members must drop off their projects any time from 8 to 9:30 a.m. All projects should be in place by 9:30 a.m. Judging is scheduled throughout the day. The judging schedule will be posted in each area. Members should check the judging schedule and return to the judging area about 10 minutes before their scheduled judging time. Projects must remain on display throughout the day until 3:30 p.m. All projects must be removed no later than 4:30 p.m. daily. If you cannot remain until 3:30, you may make arrangements with another person from your county to pick up your project on your behalf, as long as you provide them your claim ticket.

RECOGNITION

1. All exhibitors will receive an Award of Excellence ribbon for participating. Approximately 25% of the exhibitors will be awarded Superior or Best in Action awards at the judges' discretion. Judges take into account the display and information provided during the interview in determining Superior awards. Exhibitors who do not follow the exhibit class guidelines and requirements are ineligible to receive a Superior award. The judge's decision that is posted on the official judge's class list is final unless it has been determined that an exhibitor has not followed the guidelines or rules for that exhibit.
2. Premium checks will be awarded to those exhibitors who receive a Superior award or a Best in Action award. The amount of the individual premium is determined by total number of Superior/Best in Action awards given. Exhibits must remain on display until the posted release time *or* whenever judging is completed, whichever is later.

Master Showmanship Contest **Sunday, August 4 – 10:30 a.m.**

SUPERINTENDENTS: Dan Reedy 630-553-7403; Jeff Anderson 815-786-2849

4-H Project Category: Beef, Sheep, Swine **Trophy provided by the Heartland Bank and Trust Company**

Participants are from Sr. Showmanship Champion and Reserve Champion from the Beef, Sheep and Swine livestock project. Also any livestock exhibitor who is entering their last two years of 4-H and would like to compete in the Master Showmanship contest, no matter what has transpired in the species judging this year or the two previous years, may participate in the annual contest at the county fair level. If they should win the contest, they would represent Kendall County at the Illinois State Fair. The winner (14 years of age or older at the time of the state event) will be chosen at the Kendall County Fair & 4-H Show to attend the IL State Fair Master Showmanship Contest. If winner cannot attend, the alternate will be chosen. Call Superintendents for information. *Participants need to help set up ring after the Auction on Saturday night to be able to participate in the competition Sunday.*

KENDALL COUNTY 4-H FAIR - LIVESTOCK AUCTION RULES

1. Auction to be held **6 p.m., Saturday, August 3.**
 2. Sale is open only to official Kendall County 4-H exhibitors, ages 8 to 18 as of September 1, 2018. 4-H exhibitor **must** exhibit in the Kendall County 4-H Show in the specific livestock project area in order to sell in that specific market livestock area. Each exhibitor in the designated divisions may sell only one animal per specie. **Each 4-H member may sell no more than three entries in the Auction. This will include Grand Champions and Reserve Grand Champions.** It is a privilege as a Kendall County 4-Her to sell at the Livestock Auction.
 3. A 5% commission will be charged per sale.
 4. The following animals will be **required** to sell:

-Grand Champion & Reserve Grand Champion Beef Steer	-Champion Market Goat
-Grand Champion & Reserve Grand Champion Market Barrow	-Grand Champion Dairy - (Dairy Product)
-Grand Champion & Reserve Grand Champion Market Gilt	-Champion Rabbit Meat Pen
-Grand Champion & Reserve Grand Champion Market Lamb	-Champion Poultry Meat Pen
	-Champion Cockerel
- NOTE:** a.) Reserve Champion Goat, Reserve Champion Rabbit Meat Pen, Reserve Champion Poultry Meat Pen, and Reserve Champion Cockerel may be sold at the exhibitor's discretion. b.) Sale of Champion OR Reserve Champion is the only animal permitted to be sold in that specie by the exhibitor (see rule #2).
5. Auction animals must meet the following weight guidelines:
 - Lambs 95 lbs. minimum. (Ewes and Wethers)
 - Hogs 230-290 lbs. (Market Barrows and Gilts)
 - Beef Steers 1100 lbs. minimum (no market for Holstein beef)
 - Other Species no weight restrictions
- NOTE:** a.) Grand Champions and Reserve Grand Champions listed in rule #4 are required to be sold and are not subject to weight restrictions. b.) For animals that do not make weight guidelines, judgment of eligibility to sell will be determined by the 4-H Fair Livestock Auction Committee. c.) Weight restrictions are to encourage the exhibit and sale of the optimum marketable animals for the benefit of the 4-H member, auction buyer, and market buyer.
6. 4-H Fair Livestock Auction Committee decides species Sale order. Champions will sell first within each specie. Random draw determines sale order of other animals.
 7. **Auction entry cards must be handed** to the division superintendent **within one hour** of the end of the appropriate show.
 8. **Only Grand and Reserve Grand Champion of each specie will be eligible to reserve show rights.**
 9. Exhibitors are required to have auction animals at designated points for sale and market at designated times. *Exhibitors should take their own animals into the auction ring, unless arrangements have been made with the 4-H Fair Livestock Auction Committee prior to the auction. Exhibitors not ready and in appropriate place will not be allowed to sell.*
 10. **Exhibitors are to assist the 4-H Fair Livestock Auction Committee with setting up and tearing down the sale arena. Set up time will be approximately one hour after the end of the beef show on Saturday.**
 11. Exhibitors are required to feed and care for the animal(s) shown and/or sold at the Auction until the animal shown and/or sold at the Auction is delivered to the proper destination.
 12. Exhibitors must deliver the same animal shown and/or sold at the Auction to the proper destination. Exhibitors are strictly prohibited from delivering a substitute animal to the proper destination unless agreed upon in writing by the Exhibitor, Exhibitor's Legal Guardian and Auction Buyer and submitted to the Kendall County 4-H Fair Livestock Auction Committee Chairman by 10:00 am Sunday morning.
 13. Market animals showing evidence of testicular scar tissue will not be allowed to sell in the auction.
 14. The Kendall County Fair Association and the 4-H Fair Livestock Auction Committee will enforce the Illinois Humane Care for Animals Act. Any animals exhibiting signs of physical mistreatment will not be allowed to be sold. All auction animals must also be in compliance with labeled livestock drug withdrawal guidelines to be permitted to sell. Questions regarding livestock care should be directed to the Livestock Coordinator in the open show fair office.
 15. Animals consigned for slaughter immediately following the sale shall not receive any treatment with drugs, biologics or growth stimulants within the withdrawal time period prior to slaughter. Withdrawal times are all stated on the directions for use. Label directions and veterinary instructions must be followed at all times.
 16. **All swine sold through the marketing process at the Kendall Co. Fair is required to have a premise ID number on the ear tag of each animal**, listed on the paperwork and **complete online training at <http://yqca.org/>** (Youth for the Quality Care of Animals). **If not completed, the Auction Committee cannot sell or ship your animal.** Proof of completion will be required.
 17. **At the discretion of the 4-H Fair Livestock Auction Committee and/or Superintendents, animals may be deemed unsuitable for market. Exhibitor may be required to take the animal back home.**
 18. Auctioneer, clerks, and ring men will be solicited and chosen by 4-H Fair Livestock Auction Committee.
 19. All other matters to be decided and acted upon at the discretion of the 4-H Fair Livestock Auction Committee.
 20. All 4-H Fair Livestock Auction Committee responsibility for the auction animals ends when the fair concludes.
 21. **All decisions and judgments made by the Auction Chairman and/or the 4-H Fair Livestock Auction Committee are FINAL.**

First and second year auction participants that will be selling at the Kendall County Fair 4-H Livestock Auction, **should attend** the meeting at Fair Set Up **11 a.m., Sunday, July 28** at the Large Food Tent on the fairgrounds.

4-H BEEF DIVISION

SHOW: Saturday, August 3, 9:00 a.m.

SUPERINTENDENTS: Dan Reedy 630/346-1889; David Wheeler 630-234-8603; Mick Schaefer 815-953-0157; Trent Cooper 630-523-2024, Bob Schwartz 630-918-2348

Banners & Rosettes: Champion Breeding Animal, Champion Market Animal, Jr. & Sr. Showmanship

Class Champion Ribbons: each breed, each class.

1. See Fair Schedule in the front of the fair book for check-in/show/release times.
2. See 4-H show requirements on pages 1-4. County Fair Exhibition Livestock Health Requirements, page 3, Livestock, #2.
3. All purebred animals should be registered with appropriate papers available. If no papers, animal will be moved to appropriate All Other Purebreds class. All purebred animals must be tattooed. Tattoo must match registration papers.
4. Steer classes will be divided after weigh-in. *Steers must weigh a minimum of 1100 lbs. to be eligible for Auction.*
5. Steers/Market Heifers calved on or after Jan. 1, 2018, owned and cared for by exhibitor since Feb. 1, 2019. Breeding: Heifers' age is from Sept. 1, 2017 to March 31, 2019 owned and cared for by exhibitor since June 1, 2019. Cows born before Sept. 1, 2017 and owned and cared for by exhibitor since Jan. 1, 2019.
6. **Exhibitors ARE permitted to show more than one animal per class and more than one breed. Premiums—see page 4.**
7. Crossover of breeds will not be allowed.
8. Wood chips must be used for bedding in the beef division. **Kendall-Grundy Beef Association will pay the bedding fee of \$4 per animal for 4-H members.**
9. All stalls/pens **must** be cleaned and all livestock **must** be fed/watered by 10 a.m. daily.
10. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

Subclasses					Classes
Black Angus	Hereford	Shorthorn	All Other Purebreds (including Red Angus)	Grades & Crossbreds	Steers
Black Angus	Hereford	Shorthorn	All Other Purebreds (including Red Angus)	Grades & Crossbreds	Yearling heifer, born 9/1/17-8/31/18
Black Angus	Hereford	Shorthorn	All Other Purebreds (including Red Angus)	Grades & Crossbreds	Heifer calf, born after 8/31/18
Black Angus	Hereford	Shorthorn	All Other Purebreds (including Red Angus)	Grades & Crossbreds	Cow, born before 9/1/17

Junior Showmanship (12 & under as of 9/1/18) - **Senior Showmanship** (13 & over as of 9/1/18)

See page 3, Livestock #9-10 for information. See **Master Showmanship** page 5.

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

BEEF RATE OF GAIN CONTEST

Trophies: Champion Rate of Gain, Champion Live Evaluation (Banners awarded to top money recipients.)

All decisions and judgments made by the Beef Rate of Gain committee are FINAL.

Contest is sponsored by Kendall-Grundy Beef Association. For more information call Jake Cooper 630-546-5456.

1. Members must have enrolled in the beef project and Beef Rate of Gain contest. You may show your market steer at the county show **and** the Beef Rate of Gain contest.
2. The following four areas for the Beef Rate of Gain Contest are:
 - a. **Rate of Gain** - This section will be determined by the two official weigh-in dates. The first was January 7 and the second will be **July 23**, 6:30 p.m. at David Wheeler Farm. Participants will receive informational letters.
 - b. ***Records** (optional) - The youth are provided a record book for keeping track of feed information. The records **must be submitted** at weigh-in to be considered for any cash awards.
 - c. **Live Evaluation** - Animals will be evaluated by a judge, at the second weigh-in on **July 23** at 6:30 p.m. The judging will be based upon how animals would perform on the rail if slaughtered.
 - d. ***Interview** (optional) – Participants should to be prepared to discuss the way they fed and took care of their animals on the **July 23** interview date.
3. Monetary awards will be provided to the participants according to their placing in each of the two categories of Rate of Gain and Live Evaluation listed above. *Bregar Farms will pay an additional \$50 for completing all four areas of contest.
4. Judges will be members of the Kendall-Grundy Beef Association.

4-H DAIRY DIVISION

SHOW: Friday, August 2, 9 a.m.

SUPERINTENDENTS: Ray Keller 630-738-1602; Randy Mohr 224-704-3499; Eleanor St. John 630-897-5128

4-H Project Category: Dairy Cattle

Banners and Rosettes: Champion Female, Jr. & Sr. Showmanship

Class Champion Ribbons: each breed, each class.

1. See Fair Schedule in the front of the fair book for check-in/show/release times.
2. See 4-H show requirements on pages 1-4. County Fair Exhibition Livestock Health Requirements page 3, Livestock, #2.
3. Dairy animals **MUST** have a **health certificate**.
4. **Exhibitors ARE permitted to show more than one animal per class and more than one breed. Premiums—see page 4.**
5. Grade animals may be shown in 4-H classes only. Purebred and grade animals will show together in each class.
6. All purebred animals should be registered in the exhibitor's name, with appropriate papers available upon request.
7. Calves and Heifers - owned since June 1, 2019. Cows - owned since Jan. 1, 2019.
8. All animals without registration papers will be subject to superintendent's discretion regarding classes and eligibility.
9. All stalls/pens **must** be cleaned and all livestock **must** be fed/watered by 10 a.m. daily.
10. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

Subclasses

Classes

Jersey	Holstein	All Other Breeds	Heifer calf, born after February 28, 2019
Jersey	Holstein	All Other Breeds	Heifer calf, born Dec 1, 2018-Feb 28, 2019
Jersey	Holstein	All Other Breeds	Heifer calf, born Sept 1, 2018 - Nov 30, 2018
Jersey	Holstein	All Other Breeds	Summer Yearling Heifer, born June 1, 2018 - Aug 31, 2018
Jersey	Holstein	All Other Breeds	Spring Yearling Heifer, born March, 1, 2018 - May 31, 2018
Jersey	Holstein	All Other Breeds	Winter Yearling Heifer, born Dec 1, 2017 - Feb 28, 2018
Jersey	Holstein	All Other Breeds	Fall Yearling, not freshened, born Sept 1, 2017 - Nov 30, 2017
Jersey	Holstein	All Other Breeds	Two year old cow, including fresh heifers, born Sept 1, 2016 -Aug 31, 2017
Jersey	Holstein	All Other Breeds	Three year old cow, born Sept 1, 2015 - Aug 31, 2016
Jersey	Holstein	All Other Breeds	Four year old cow, born Sept 1, 2014 - Aug 31, 2015
Jersey	Holstein	All Other Breeds	Aged Cow, five years and older, born before Sept 1, 2014
Jersey	Holstein	All Other Breeds	Dry Cow, any age
Jersey	Holstein	All Other Breeds	Dam and Daughter, owned by exhibitor

Junior Showmanship (12 & under as of 9/1/18) - **Senior Showmanship** (13 & over as of 9/1/18)

See page 3, Livestock #9-10 for information.

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

4-H GOAT DIVISION

SHOW: Thursday, August 1, 8:30 a.m.

SUPERINTENDENTS: Jill Carlson 630-816-5587; Frank Keller 630-554-0836; Alice Weissensel 815-786-7924

Banners and Rosettes: Champion Dairy Goat, Champion Meat Goat, Champion Doe Goat, Jr. & Sr. Showmanship

Class Champion Ribbons: each breed, each class.

1. See Fair Schedule in the front of the fair book for check-in/show/release times.
2. See 4-H show requirements on pages 1-4. County Fair Exhibition Livestock Health Requirements page 3, Livestock, #2.
3. Animals may be purebred, recorded grade-must be registered or crossbred-need not be registered.
4. NO BUCK ANIMALS TO BE SHOWN, no horns or scurs allowed, except meat breed does and wethers.
5. **Exhibitors ARE permitted to show more than two animals per class. Premiums—see page 4.**
6. Dairy Only: Original registration/recordation certificates for all animals 6 months of age or over must be shown to superintendent prior to the start of the show. Certificates or stamped duplicates of applications for registry are acceptable for kids under 6 months of age. Registry may be with ADGA, AGS, or CGS.
7. To maintain sanitary conditions, no goat milk is to be dumped on the ground, dump in container located by dairy cattle.
8. A female shown in a breeding class cannot be shown in a market class and vice versa.
9. All wether goats must be castrated and fully healed prior to their entry on the fairgrounds. All meat goats (wethers and all breeding animals) must be owned by May 15, 2019. Meat goats can be either a doe (county only) or wether. Meat Goat Wethers must be born on or after October 1, 2018, and tattooed by May 15, 2019. Ownership dates for Kids & Yearlings not in milk is May 15, 2019.
10. Dairy goats; Kids and yearlings not in milk must have been owned by the exhibitor as of June 1 of the current year. Milking does must have been owned as of January 1 of the current year.
11. Entries in the meat classes must be marketable and will be judged accordingly.
12. Dairy goats are shown with a nylon or chain collar.
13. All stalls/pens **must** be cleaned and all livestock **must** be fed/watered by 10 a.m. daily.

Subclasses

Classes

Dairy	Meat	
All Dairy Purebreds	Boer Goats	Junior Kid, born in April 2019 or after
All Dairy Purebreds	Boer Goats	Intermediate Kid, born in March 2019
All Dairy Purebreds	Boer Goats	Senior Kid, born January or February 2019
All Dairy Purebreds	Boer Goats	Dry Yearling, under 2 years, born after August 4, 2017
All Dairy Purebreds	Boer Goats	Yearling, under 2 years, born after August 4, 2017
All Dairy Purebreds	Boer Goats	2 years, born Aug 1, 2016-August 4, 2017
All Dairy Purebreds	Boer Goats	3 & 4 Years born Aug 1, 2014-August 4, 2016
All Dairy Purebreds	Boer Goats	5 Years & Older, born before Aug 1, 2014
All Dairy Purebreds	Boer Goats	*Dam & Daughter (one doe and one of her daughters)
All Dairy Purebreds	Boer Goats	*Produce of Dam (2 does which are the offspring of one dam)
		*All goats in these classes must be owned by one exhibitor.

Market (Meat) Goats - born on or after October 1, 2018

Junior Showmanship (12 & under as of 9/1/18) - **Senior Showmanship** (13 & over as of 9/1/18)

See page 3, Livestock #9-10 for information.

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

4-H SHEEP DIVISION

SHOW: Thursday, August 1, 8 a.m.

SUPERINTENDENT: Jared Nelson 630-391-8206

Banners and Rosettes: Champion Ewe, Champion Ram, Champion Single Market Lamb, Champion Pair of Market Lambs, Jr. & Sr. Showmanship

Class Champion Ribbons: each breed, each class.

1. See Fair Schedule in the front of the fair book for check-in/show/release times.
2. See 4-H show requirements on pages 1-4. County Fair Exhibition Livestock Health Requirements page 3, Livestock, #2.
3. Judging will be done in accordance with Breed Association standards.
4. Market Lamb Class must be weighed **Wednesday night by 8 p.m.** and will be divided after weigh-in.
5. All breeds will show together for market classes.
6. **Exhibitors ARE limited to two animals per class**, but may show more than one breed. **Single Market Lamb class may show 4. Premiums—see page 4.**
7. Ewe lambs may be shown in the market class, but if they are, they cannot be shown in a breeding class.
8. Market lambs must be slick shorn. All sheep must be groomed and presented in order to meet standards at all times.
9. All lambs must carry lamb teeth.
10. Lambs eligible for auction must weigh a min. of 95 lbs. Lambs must NOT show any testicular scar tissue. Lambs showing scar tissue will not be allowed to sell in the auction or compete in market classes. See general Livestock Auction rules. *Showmanship participants need to help set up ring after the Livestock Auction to be able to compete on Sunday.*
11. Registration papers must be available at all times and can be checked by superintendent at his/her discretion any time. Ewes and Rams must be owned and cared for by exhibitor since June 25, 2019.
12. Association ear tags and/or flock tags must be in place and owners name must appear on registration papers.
13. All animals without registration papers will be subject to superintendent's discretion regarding classes and eligibility.
14. If there are not four or more animals per breed per class they will be shown with appropriate All Other Breeds. (AOB)
15. **All sheep need to be washed and fitted for day of show.**
16. All stalls/pens **must** be cleaned and all livestock **must** be fed/watered by 10 a.m. daily.
17. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

Subclasses AOB= All Other Breeds

Breeding Classes

Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Yearling Ram, born 1/1/18-8/31/18
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Sr Ram Lamb born 9/1/18-12/31/18
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Jr Ram Lamb, born after 1/1/19
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Pair of Ram Lambs
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Yearling Ewe, born 1/1/18 - 8/31/18
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Pair Yearling Ewe
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Sr Ewe Lamb, born 9/1/18-12/31/18
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Jr Ewe Lamb, born after 1/1/19
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Pair of Ewe Lambs
Hampshire	Montadale	Southdown	AOB-White Face Meat Breed	AOB-Black Face Meat Breed	AOB-Wool	Young Flock – consists of 1 ram any age, 1 yearling ewe, and 2 ewe lambs (1 entry)

Market Classes

Single Market Lamb (must be shorn)
Pair of Market Lambs (must be shorn)

Junior Showmanship (12 & under as of 9/1/18)

Senior Showmanship (13 & over as of 9/1/18)

See page 3, Livestock #9-10 for information.

See **Master Showmanship** page 5.

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

Open Show Costume Class – see Open Show: <http://kendallcountyfair.org/>.

4-H SWINE DIVISION

SHOW: Thursday, August 1, 5:30 p.m. Breeding Gilts

SHOW: Friday, August 2, 8:30 a.m. Purebred & Crossbred Barrows, Market Gilts

SUPERINTENDENTS: Doug Thanepohn 630-708-3041; Lisa Anderson 815-482-4141; Mike Hufendick 815-355-1844

Banners and Rosettes: Champion Crossbred Barrow, Champion Barrow Overall, Champion Market Gilt, Champion Breeding Gilt, Jr., Intermediate & Sr. Showmanship

Class Champion Ribbons: each breed, each class.

1. See Fair Schedule in the front of the fair book for check-in/show/release times
2. See 4-H show requirements on pages 1-4. County Fair Exhibition Livestock Health Requirements page 3, Livestock, #2.
3. Animals will not be unloaded until health papers are checked and approved by superintendent.
4. Barrows and Gilts WILL NOT be shown in the same Market and/or Purebred Classes.
5. There must be at least 2 exhibitors to have Purebred barrow classes. Otherwise, must show in all other purebreds.
6. Classes will be divided after weigh-in.
7. **NEW.** Youth can enter 10 swine in *fairentury.com*. Individuals can bring or exhibit only 6 animals see #8.
8. **Exhibitors ARE permitted to show more than one animal per class, individuals can exhibit six (6) animals.**
Premiums– page 4.
9. **All Swine must have been nominated by June 7, 2019.** No more than 20 animals can be nominated.
10. Market animals **must be born on or after January 1, 2019.** This is a non-terminal swine show.
11. ALL class entries MUST be declared at the scale.
12. Breeding Gilts **must be born between Jan. 1 and Feb. 28, 2019 and owned by exhibitor since June 1, 2019.** Breeding Gilts are not eligible for Market Gilt Classes, minimum crossbred breeding gilt weight of 220 lbs. (Animals not meeting required weight will be ineligible to show.)
13. All Market Swine Barrows or Market Gilts, weight minimum 230 lbs. (Animals not meeting required weight will be ineligible to show.)
14. All stalls/pens **must** be cleaned & livestock fed/watered by 10 a.m. daily. If not, ribbon rating will be lowered 1 level.
15. **Premise ID #'s** will be required for all Jr. Dept. Barrow entries that plan to show at the Illinois State Fair. **Any swine sold through the marketing process at the Kendall County Fair is required to have a *premise ID number on the ear tag of each animal*, not just listed on the paperwork.**
16. **Swine** project youth planning to use the *marketing process at the Kendall County Fair* **must complete** the new YQCA training. Paperwork will be checked at weigh-in at the fair. **If you do not complete the training, the Auction Committee cannot sell or ship your animal.** The link to complete the training, is: www.yqca.org. This will need to be done **yearly**, 4-H is NOT providing Face to Face training or tracking youth completion.
17. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

Crossbred Single Market Gilt	Light	Medium	Heavy
Crossbred Single Market Barrow	Light	Medium	Heavy

Crossbred Breed Gilts	Light	Heavy
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Breeding Gilt Classes	Early 1/1/ to 1/31/19	Late 2/1/ to 2/28/19
Berkshire Gilt		
Chester White Gilt		
Duroc Gilt		
Hampshire Gilt		
Spotted Swine Gilt		
Yorkshire Gilt		
All Other Purebred Gilts		

Purebred Barrow Classes	Light	Heavy
Berkshire Barrow		
Chester White Barrow		
Duroc Barrow		
Hampshire Barrow		
Spotted Swine Barrow		
Yorkshire Barrow		
All Other Purebred Barrows		

Junior Showmanship (10 & under as of 9/1/18)
Intermediate Showmanship (11-14 as of 9/1/18)
Senior Showmanship (15 & over as of 9/1/18)
 See page 3, Livestock #9-10 for information.

Open Show Pee Wee Class – see Open Show:
<http://kendallcountyfair.org/>.

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

4-H POULTRY DIVISION

SHOW: Thursday, August 1, 4 p.m.

SUPERINTENDENTS: Dave Gemmer 815-942-5051; Beth Lohrey 815-685-1780.

Banners and Rosettes: Champion Cockerel, Champion Pullet, Champion Poultry Meat Pen,
Champion Waterfowl, Jr. & Sr. Showmanship

Class Champion Ribbons: each breed, each class. **Rosettes:** Ducks, Geese, Turkeys, Partridge, Quail, Pheasants & Egg Production

1. See Fair Schedule in the front of the fair book for check-in/show/release times.
2. See 4-H show requirements on pages 1-4. For County Fair Exhibition Livestock Health Requirements page 3, Livestock, #2.
3. A signed statement by parents that "NO NEW CASTLE DISEASE is in the flock" must be given to the superintendent when entries are made. **Exhibitors are limited to show 2 per subclass. Premiums--see page 4.**
4. Birds may show as breeding OR market birds, not as both.
5. Exhibitors must be present at judging to take birds out of their cages for each class.
6. Cockerel - a male hatched during the current calendar year. Pullet - a female hatched during the current calendar year.
7. Champion Meat Production Pen and Champion Cockerel will be sold at Livestock Auction--Exhibitor to be present during auction. See general livestock auction rules.
8. **Due to the susceptibility of these animals to overheating during the fair, 4-H members are to check and care for their animals numerous times each day. For example: water and/or cool them down as necessary.**
9. All cages **must** be cleaned and all poultry **must** be fed/watered by 10 a.m. daily. Shavings need to be disposed of in a dumpster, not left on a board or in a pile.
10. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.
American includes: White Plymouth Rock, White Wyandotte, Rhode Island Red, and New Hampshire
Mediterranean includes: Leghorn **Asiatic** includes: Brahma (light) and Cochinchina (buff)
English includes: Australorp and White Cornish

Classes: Poultry-Standards (Large Birds) (subclasses: Pullet, Cockerel, Hen, Cock)

American
Mediterranean
Asiatic
English
AOV Standard
AOV Continental

Meat Pen (3 Birds) – Cross Hybrids

Additional Classes

Egg Production , exhibit one dozen eggs (bring day of show for judging)
Partridge (pair)
Quail (pair)
Pheasants (pair)

Classes: Poultry-Bantams (Small Birds) (subclasses: Pullet, Cockerel, Hen, Cock)

Rose Comb – clean legged
Single Comb – clean legged
Feather Legged
All Other Comb – clean legged (AOCCL)
Game

Classes: Ducks & Geese (subclasses: Young Female, Young Male, Old Female, Old Male)

Ducks – White Pekin Geese – Embden
Ducks – Rouen Geese – African
Ducks – Muscovie Geese – AOB Geese
Ducks – Mallard
Ducks – AOB Duck

Junior Showmanship

(12 & under as of 9/1/18)

Senior Showmanship

(13 & over as of 9/1/18)

See page 3, Livestock #9-10 for information.

Classes: Turkeys (subclasses: Young Female, Young Male)

Turkeys – White
Turkeys – Bronze

See **Animal Sciences on pages 23-24**
for displays other than exhibiting
the live animal.

4-H RABBITS DIVISION

SHOW: Friday, August 2, 9 a.m.

SUPERINTENDENTS: Lori-Haff DeLancy 630-327-6736; Amber DeLancy 630-327-6737; Cory Davidson 815-641-8217

Banners and Rosettes: Best in Show, Champion Large Doe, Champion Large Buck, Best 6-Class Rabbit, Champion Small Doe, Champion Small Buck, Best 4-Class Rabbit, Champion Rabbit Meat Pen, Jr. & Sr. Showmanship

Class Champion Ribbons: each class.

1. See Fair Schedule in the front of the fair book for check-in/show/release times.
2. See 4-H show requirements on pages 1-4. County Fair Exhibition Livestock Health Requirements page 3, Livestock, #2.
3. Veterinary certification is not required for rabbits, but owner must fill out a health certificate (from Extension office).
4. **Two entries MAY be shown in each individual subclass. Premiums—see page 4.**
5. Exhibitors must be present at time of judging to hold the rabbits in each class.
6. Market type rabbits will be weighed.
7. **Shavings will be available at a cost of 50¢ per rabbit.**
8. **Meat pen** shall consist of three (3) rabbits of same breed, same variety – broken (spotted) should all be the same variety as well. **Rabbits must weigh between 3.5-5.5 lbs. each (* new weight) and under 10 weeks old.**
9. **4-Class** rabbits are the Small Breeds. **Juniors** are under 6 months of age, **Seniors** are 6 months and older. Classes that have 4 or more in a similar breed, may at the discretion of the Superintendent, be separated out. **6-Class** rabbits are Large Breeds. Classes that have 4 or more in a similar breed may at the discretion of the Superintendent be separated out. **Juniors** are under 6 months, **Intermediate**—any large breed rabbit between the ages of 6-8 months old, **Senior large breed** shall be 9 months of age and older. **Rabbits must be owned by exhibitor by June 1.**
10. **Champion Meat Pen** to be sold at Livestock Auction with exhibitor to be present during auction.
11. **Prior to check-in** rabbits need tattoo in left ear; owner needs to know sex, Sr. or Jr., Breed and Health Certificate.
12. **Due to the susceptibility of these animals to overheating during the fair, 4-H members are to check and care for their animals numerous times each day. For example: water and/or cool them down as necessary.**
13. All cages **must** be cleaned and all rabbits **must** be fed/watered by 10 a.m. daily. Shavings need to be disposed of in a dumpster, not left on a board or in a pile.
14. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

Classes

Subclasses	Senior Buck	Senior Doe	Intermediate Buck	Intermediate Doe	Junior Buck	Junior Doe
Californian & Satins (all colors) (6-class)						
Other Purebred Large Breeds (6-class)						
Mixed Large Breed (6-class)						
Mini Lops (4-class)			No Class	No Class		
Holland Lop (4-class)			No Class	No Class		
Jersey Wooley (4-class)			No Class	No Class		
Other Purebred Small Breeds (4-class)			No Class	No Class		
Mixed Breed(4-class) (Small Breed Types)			No Class	No Class		

Additional Class:

Meat Pen of Three

*3.5-5.5 lbs. each and under 10 weeks old, see #8 above

Junior Showmanship (12 & under as of 9/1/18)

Senior Showmanship (13 & over as of 9/1/18)

See page 3, Livestock #9-10 for information.

Open Show Rabbit Classes: <http://kendallcountyfair.org/>.

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

4-H HORSE AND PONY DIVISION

4-H GAMING HORSE SHOW: Wednesday, July 10 at 3 p.m. (Rain date July 11)

4-H ENGLISH PLEASURE HORSE SHOW: Saturday, July 13, 9 a.m. (Rain date July 20)

4-H WESTERN PLEASURE HORSE SHOW: Sunday, July 14, 10 a.m. (Rain date July 20)

Both held at Howard Koch Arena at Harris Forest Preserve, Yorkville, just east of Fairgrounds.

JUNIORS: Ages 8 to 12 by Sept. 1, 2018 SENIORS: Ages 13 to 18 by Sept. 1, 2018

SUPERINTENDENTS

Tammy Brigel 630-849-5400; Dean Bundy 815-210-2241; Karol Bundy 815-475-4520; Debbie Granat 630-334-9194; Shelly Mroz 815-786-5846; Debbie Murray 630-632-5583; Tobi Staudacher 630-514-9602; Sarah Stewart 630-217-7835

4-H Project Category: Horse and Pony

Awards & Rosettes: Sr., Jr. & Novice English and Western High Point; and Sr. & Jr. Western Gaming High Point

Class Champion Ribbons: each class

1. 4-H show requirements on pages 1-4. County State Fair Exhibition Livestock Health Requirements page 3, Livestock, #2.
2. 4-H member must own or lease the Project animals. A 4-H member needs one main horse per show on file in the office, and is allowed two horses as backups. All 3 horses need Coggins and photos in the office by the MAY 1 deadline.
Exhibitors may only show one horse/pony per class.
3. Complete **Quality Assurance & Ethics** online training, get current negative **Coggins test results** and submit the **Youth Medical form** by **May 1** to the Extension Office. For each horse, submit; **horse lease/ownership paper** (designating which horse is the main horse and which is the backup horse), a **4" x 6" photo** of each side of the horse (2 sets if going to State Fair) by **May 1**. (Coggins test applies to all horse/ponies possibly used in the show).
<http://web.extension.illinois.edu/dkk/kendall4h/2889.html> is the link for forms.
4. **State 4-H Horse Show** entries are due to the Extension Office by **May 20** for mailing to the State. We send them all together, due to State June 1 – show is July 22-28). State Fair entry forms are available online or at the Extension office.
5. Horse/rider may check in one hour before the show each day. Wednesday, July 10 2-3 p.m., Saturday, July 13 8-9 a.m., Sunday, July 14 9-10 a.m.
6. **Exhibitors must wear an ASTM/SEI approved helmet with a strap fastened whenever on their horse.**
7. For all classes proper attire is required. English attire: breeches, boots, English Shirt and an English style ASTM/SEI approved helmet with a strap fastened. Jackets removal only at the judge's discretion. Western attire, including gaming classes: Western boots, pants, collared shirt tucked in and ASTM/SEI approved helmet with a strap fastened.
8. **To drop a class, 4-H member completes** a form, *due at least 2 classes prior*, at announcer's stand, stating dropped class. You may NOT add back into dropped class after signing off. Classes with fewer than three (3) entries will be combined or be dropped.
9. The State of Illinois 4-H rules are followed. Rulings/decisions will be subject to the Extension staff and/or the horse superintendent(s).
10. Any unsportsmanlike conduct by contestant, parent, or 4-H leader will jeopardize the right of the contestant to continue in the show. Failure to comply with any of the rules may cause forfeiture of premiums and all high point awards. Failure to comply with judges warning may disqualify the contestant from the show and force removal from the grounds. This includes #14 Courtesy Circle.
11. An exhibitor, parent/guardian, or 4-H leader may NOT approach the judge without first talking to a Superintendent to address a comment or complaint. Violation of this rule may result in disqualification from the show.
12. Exhibits ratings on a Blue, Red, or White basis. Exhibitors receive payment for only five (5) premiums in this division.
13. Dressage riders can ride only one dressage test; western and pleasure riders can only participate in one level per class either Novice, Junior or Senior; and jumpers one level equitation either Novice ground poles, Junior, or Senior per horse/rider combination.
14. 4-H Gaming rules include horse and riders completing a courtesy circle when entering the ring for each event.
15. High point awards are given in: Novice, Jr. & Sr. in Western & English, and Jr. & Sr. in Gaming Classes. Awards distributed following the end of Wednesday, Saturday and Sunday and shows. (1 horse/1 rider combination)
16. Novice classes include Class numbers 7, 12, 17 and 20 for English. Class numbers 9, 12 and 15 for Western.
17. High points are awarded for the number of exhibitors per class – and will not exceed 6 total points for first place, example: if 6 or more exhibitors in the class, 1st place=6 points, 2nd = 5, etc. If only 5 exhibitors in a class, 1st place=5 points, 2nd place=4 points, etc. A high point chart show for all to view is available during the show.
18. If we need to use the rain date of July 20, for both Western and English shows, the classes will be adjusted to fit the shortened time available.

KENDALL COUNTY 4-H HORSE GAMING SHOW

Wednesday, July 10 (Rain date July 11) Show starts at 3 p.m. prompt!

Howard Koch Arena at Harris Forest Preserve, Rt. 71, Yorkville - Just east of Fairgrounds.

Performers check in between 2 to 3 p.m. with their horse to receive their exhibitor number.

Juniors: Ages 8 to 12 by Sept. 1, 2018 Seniors: Ages 13 to 18 by Sept. 1, 2018

4-H CLASSES Eligible for Premium

- | | | |
|----------------|----------------|-----------------|
| 1. Sr. Poles | 5. Sr. Flags | 9. Sr. Keyhole |
| 2. Jr. Poles | 6. Jr. Flags | 10. Jr. Keyhole |
| 3. Sr. Barrels | 7. Sr. Texas 8 | |
| 4. Jr. Barrels | 8. Jr. Texas 8 | |

KENDALL COUNTY 4-H PLEASURE HORSE SHOWS

Howard Koch Arena at Harris Forest Preserve Rt. 71, Yorkville - Just east of the Fairgrounds.

Juniors: Ages 8 to 12 by Sept. 1, 2018 Seniors: Ages 13 to 18 by Sept. 1, 2018

To avoid being scratched from their class; 4-H members must report to the show ring when called.

4-H ENGLISH CLASSES

Saturday, July 13 - Show starts at 9 a.m. prompt! (Rain date Sunday, July 20)

Performers check in between 8 & 9 a.m. with their horse to receive their exhibitor number.

- | | |
|--|---|
| 1. Sr. English Conformation | 11. Jr. Equitation Over Fences |
| 2. Jr. English Conformation | 12. Novice Equitation Over Ground Poles |
| 3. Sr. English Showmanship | 13. Sr. Handy Hunter Jumping Class |
| 4. Jr. English Showmanship | 14. Jr. Handy Hunter Jumping Class |
| 5. Sr. Dressage –training test #3 | LUNCH BREAK |
| 6. Jr. Dressage – training test #1 | 15. Sr. English Pleasure |
| 7. Dressage – Training test Intro B | 16. Jr. English Pleasure |
| SET UP BREAK | 17. Novice Pleasure (Walk-Trot) |
| 8. Sr. Hunter Hack (Not to exceed 2 ft.) | 18. Sr. English Equitation |
| 9. Jr. Hunter Hack (Not to exceed 2 ft.) | 19. Jr. English Equitation |
| 10. Sr. Equitation Over Fences | 20. Novice Equitation (Walk-Trot) |

4-H WESTERN CLASSES

Sunday, July 14 - Show starts at 10 a.m. prompt! (Rain date Sunday, July 20)

Performers check in between 9 & 10 a.m. with their horse to receive their exhibitor number.

- | | |
|--|--|
| 1. Sr. Western Conformation | LUNCH BREAK |
| 2. Jr. Western Conformation | 10. Sr. Western Horsemanship |
| 3. Sr. Western Showmanship | 11. Jr. Western Horsemanship |
| 4. Jr. Western Showmanship | 12. Novice Western Horsemanship (Walk-Trot) |
| 5. Trail - Sr. Classes | 13. Sr. Western Ranch Riding |
| 6. Trail - Jr. classes | 14. Jr. Western Ranch Riding |
| 7. Sr. Western Pleasure | 15. Novice Western Ranch Riding (Walk-Trot) |
| 8. Jr. Western Pleasure | 16. Egg & Spoon (all ages) <i>No premium</i> |
| 9. Novice Western Pleasure (Walk-Trot) | 17. Ride-a-buck (all ages) <i>No premium</i> |

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

4-H CAT CARE DIVISION

SHOW: Saturday, August 3, 10 a.m.

Check-in time is 9:30-10 a.m., Judging 10 a.m., Education Building.

SUPERINTENDENT: Tammy Brigel 630-849-5400

DO NOT bring animals to fairgrounds prior to this time.

Banners and Rosettes: Best Cat in Show, Best Neutered Cat, Best Spayed Cat, First Year Kitten

Class Champion Ribbons: each class

Regulations:

1. Eligibility

- See 4-H show requirements on pages 1-4
- An exhibitor may enter only **one cat per class**. **Premiums—see page 4.**
- Two 4-H members cannot exhibit or share the same cat.
- Youth cannot show Nursing mother cats.
- Show Age: Kittens (4 through 7 months) Cats (8 months or older)
- 4-H members or their immediate family should personally own each Cat.
- **Quality Assurance & Ethics is required for cats by MAY 1, see page 4, #18.**

2. Health papers, etc.:

- An updated certificate or veterinarian receipt indicating proof of feline distemper and rabies inoculations **MUST** be presented at the show. If one is not presented, you will not be allowed to participate.
- Cats must be free of any contagious diseases, i.e. ear mites, fleas or other parasites, etc.
- A cat that cannot be handled or bites will be given a white ribbon.

3. Check-in caging, check-out procedures.

- Cats **MUST** be brought to the show in a secure carrier.
- Cats **MUST BE ATTENDED AT ALL TIMES**. Exhibitors are responsible for any damage done by their cat(s).
- Cats will be released following the judging and **MUST BE TAKEN HOME**.
- Exhibitor is responsible for bringing their own bowls for water and food, comb and brush, litter, etc.

4. Judging

- Judging will be on the basis of coat, eyes, ears, body, teeth, gums and temperament.
- Exhibitor will show how they handle and examine a cat.
- Exhibitor will demonstrate their knowledge about cats through answering questions.
- Exhibitor will demonstrate cat-grooming skills.
- Exhibitor is required to bring a scrapbook or short report on home cat care, cat breeds or other information regarding your cat project. Failure to include this information will result in a lower ribbon rating.

***Note:** Anyone other than the 4-H member participating, 4-H Leader/Superintendent, will need to pay to enter the fair.
Refer to 4-H page 1, Exhibit/Entry Fees.

The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

Classes

Male Cat	8 months or older
Female Cat	8 months or older
Neuter	sterile male, 8 months or older
Spay	sterile female, 8 months or older
Kitten	4 through 7 months

See **Animal Sciences on pages 23-24** for displays other than exhibiting the live animal.

4-H DOG CARE/SHOWMANSHIP/OBEDIENCE DIVISION
SHOW: Wednesday, June 19 – Kane County Fairgrounds, Robinson Hall, St. Charles.
Check-in 5:30-6 p.m. - Judging 6 p.m.



Entries due to Kendall County Extension Office June 1, 12 noon
SUPERINTENDENTS: Lisa Olah 630-554-0668, Cydney Olah 630-494-1007

Trophies and Rosettes: Best Dog in Show, Champion Dog Care 1, Champion Dog Care 2, Champion Beginner Novice 1, Champion Beginner Novice 2, Champion Preferred Novice, Champion Novice, Champion Graduate Novice, Champion Preferred Open, Champion Open, Champion Graduate Open, Champion Preferred Utility & Utility

Rosettes: Junior Showmanship and Senior Showmanship, Rally Obedience

Class Champion Ribbons: each class

1. Eligibility

- See 4-H show requirements on pages 1-4. Dogs do not have to be AKC registered to show.
- **Mandatory** – All 4-H members and their dog(s) must attend at least 6 weeks of dog obedience training for the 2018-2019 4-H year in order to participate in the 4-H Dog Show. Proof of attendance must be presented with 4-H Dog Show entry forms June 1. **Exhibitors participating in Dog Care classes ONLY, are exempt from this requirement.**
- Dogs shown in obedience classes must be trained by and belong to the exhibitor or to a member of their immediate family or leased for the length of the project with a signed agreement.
- Two 4-H members cannot exhibit the same dog. **ALL** grooming **MUST** be done by the **EXHIBITOR**.
- **Quality Assurance & Ethics training** to be completed by **MAY 1**, <http://web.extension.illinois.edu/gaec/>. See page 4.
- **Exhibitor may enter two or more different dogs, but not in the same class. Premiums—see page 4.**
- Only dogs being exhibited are allowed on the grounds. Nursing bitches or puppies under 6 months are not eligible to be shown. Bitches in season will not be allowed on fairgrounds.
- *To qualify for Best of Show, the exhibitor must show in three of the four divisions (Obedience, Rally, Showmanship and/or Dog Care) with the same dog. Highest total scores will be used.*
- Uncontrollable dogs may be excused at the discretion of Superintendents or Judges.
- For 2019 show ONLY, Dogs who qualified in Pre Novice and up, may stay in the same class as 2018.
- A run-off will be held in case of a tie for total score.
 - Beginner Novice I and II, Novice and Graduate Novice beginning level classes will use on leash heeling exercises.
 - Preferred Open and above- advanced classes will use novice off lead heeling exercises.
- In most classes, commands/signals given by handler will be either voice or hand, but not both. See full AKC rules and regulations for clarification of your class's specific rules.
- Exercises for all classes may be done in any order, depending upon scheduling and the judge's preference.

2. Health requirements.

- A certificate completed within the past 12 months or veterinarian receipt indicating proof of rabies, DHL, Parvo, current heartworm check and negative stool sample **MUST** be presented by **May 1** to participate.
- Dogs must be free of any communicable diseases (fleas, parasites, etc.)

3. Check-in, caging, check-out procedures

- All obedience class dogs must wear a properly fitted collar with nothing hanging from it and have a six foot fabric or leather leash. No special training collars, such as electronic collars or prong collars will be permitted.
- Dog **MUST BE UNDER CONTROL AT ALL TIMES.** (The use of crates is encouraged.)
- Exhibitor should bring: water for dog, dish, rug, and grooming equipment.
- Dogs will be released following judging and **MUST BE TAKEN HOME.**

The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

DOG CARE DIVISION:

Dog Care 1 (For first-year exhibitors) - Exhibitors will be judged on their knowledge of dog health, care and grooming. The exhibitor will demonstrate grooming skills, identify parts of a dog and answer questions about dog breeds. The general appearance of the exhibitor and the dog will be judged. Exhibitor will be required to bring a scrapbook or short report on dog care, dog breeds or other project from Dog I Wiggles 'N Wags. May not show in this class more than one year with the same dog. Ribbon rating will be lowered one if a scrapbook or short report is not included.

Dog Care 2 (Exhibitor has more than 1 year of experience) - Exhibitor will be judged on their handling skills, knowledge of breed standards, terminology, nutrition etc. The general appearance of the exhibitor and the dog will also be judged. The exhibitor is required to bring a scrapbook, display and/or report for Dog II Canine Connection or Dog III Leading the Pack. Ribbon rating will be lowered one if a scrapbook or short report is not included.

DOG SHOWMANSHIP DIVISION

Exhibitors will be judged on handling skills, knowledge of breed standards, dog show terminology and elementary dog anatomy. Dogs will be judged on cleanliness, general health and grooming. Purebred and non-purebred dogs are eligible for this class. The breed of dog has no bearing on judging or placement.

Junior Showmanship 1 (ages 8-13 as of Sept. 1, 2018). This class may be repeated.

Senior Showmanship 2 (ages 14 and older as of Sept. 1, 2018). This class may be repeated.

RALLY OBEDIENCE *New Classes* Rally Awards: Qualifying Score ribbon, Placing 1-6 (must receive a qualifying score)

1. Go to akc.org/sports/rally/rally-resource-center/ and see the AKC Rally You Tub Video for complete details on how to get started in Rally Classes.
2. Dog/Handler team must receive a qualifying score of 70 out of 100 to compete at the state level.
3. The event will be timed. In event of a tie score, the fastest time will break the tie.
4. A Dog/Handler team must receive 3 qualifying scores before advancing to the next level.
5. Rally rings will be at least 2000 x 3000 square feet with a minimum width of 30 feet.
6. Unless otherwise noted, handler may speak to the dog, pat their leg, or clap their hands to encourage.
7. There is a cost of \$5 per 4-H member to participate in the state event. It is due to the office by August 1, 2019.

Rally Novice

10-15 signs are used (not including start and finish). 3-7 of the signs must be "stationary" signs. Performed on leash.

Rally Intermediate

12-17 signs are used (not including start and finish). 3-7 of the signs must be "stationary" signs. At least 3 "advanced" signs. Performed on leash.

Rally Advanced

12-17 signs are used (not including start and finish). 3-7 of the signs must be "stationary" signs. At least 3 "advanced" signs. Dog must jump once. Performed off leash.

Rally Excellent

15-20 signs are used (not including start, finish, or call marker). Dog must jump twice. 2 or more of the signs must be "advanced" signs. 3 or more of the signs must be "excellent" signs. Must include a "Sit Stay" sign. Performed off leash. Cannot pat leg or clap hands for encouragement.

DOG OBEDIENCE DIVISION

BEGINNER NOVICE 1 CLASS

(For inexperienced handlers and inexperienced dogs only)
Handler will be asked to have dog perform the following exercises on leash.

1. Heel on Leash (forward, halt, right turn, left turn, about turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders will be given by utilizing posted signs. Max. 40 Pts.
2. Figure Eight (on leash) Max. 40 Pts.
3. Sit for Exam (on leash) Max. 40 Pts.
4. Sit Stay (walk around ring) Max. 40 Pts.
5. Recall (off leash front/no finish) Max. 40 Pts.

BEGINNER NOVICE 2 CLASS

(For experienced handlers and inexperienced dogs **OR** experienced dogs and inexperienced handlers.)
Handler will be asked to have dog perform the following on leash exercises.

1. Heel on Leash (forward, halt, right turn, left turn, about turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders will be given by utilizing posted signs. Max. 40 Pts.
2. Figure Eight (on leash) Max. 40 Pts.
3. Sit for Exam (on leash) Max. 40 Pts.
4. Sit Stay (walk around ring) Max. 40 Pts.
5. Recall (off leash front/no finish) Max. 40 Pts.

PREFERRED NOVICE CLASS

(Handler must have had a qualifying score in Beginner Novice 1 or 2 the previous year(s).)

- | | |
|---|--------------|
| 1. Heel on Leash and Figure 8 | Max. 40 Pts. |
| 2. Stand for Examination (off leash) | Max. 30 Pts. |
| 3. Heel Free (off leash) | Max. 40 Pts. |
| 4. Recall (off leash with finish) | Max. 30 Pts. |
| 5. Sit or Down Stay-Walk around the Ring. | Max. 30 Pts. |
| 6. Stay Sit –Get Your Leash (off leash) | Max. 30 Pts. |

NOVICE CLASS (Handler must have had a qualifying score in Pre- Novice the previous year(s).)

- | | |
|--|--------------|
| 1. Heel on Leash and Figure 8 (on leash) | Max. 30 Pts. |
| 2. Stand for Examination (off leash) | Max. 30 Pts. |
| 3. Heel Free (off leash) | Max. 40 Pts. |
| 4. Recall (off leash) | Max. 30 Pts. |
| 5. Stay Sit –Get Your Leash (off leash) | Max. 30 Pts. |
| 6. Group Exercise – Sit & Down Stay (on leash) | Max. 30 Pts. |

GRADUATE NOVICE CLASS (Handler must have had a qualifying score in Novice class the previous year(s).)

- | | |
|---------------------------------------|--------------|
| 1. Heel Free and Figure 8 (off leash) | Max. 40 Pts. |
| 2. Drop on Recall | Max. 40 Pts. |
| 3. Dumbbell Recall | Max. 30 Pts. |
| 4. Dumbbell Recall over High Jump | Max. 30 Pts. |
| 5. Recall over Broad Jump | Max. 30 Pts. |
| 6. Stay-Get your leash (sit, Down) | Max. 30 Pts. |



PREFERRED OPEN CLASS (Handler must have had a qualifying score in Graduate Novice class the previous year(s).)

- | | |
|--|--------------|
| 1. Heel Free and Figure 8 | Max. 40 Pts. |
| 2. Command Discrimination (Stand, Down, Sit) | Max. 30 Pts. |
| 3. Drop on Recall | Max. 30 Pts. |
| 4. Retrieve on Flat | Max. 20 Pts. |
| 5. Retrieve over High Jump | Max. 30 Pts. |
| 6. Broad Jump | Max. 20 Pts. |
| 7. Stay-Get your leash (sit, Down) | Max. 30 Pts. |

OPEN CLASS (Handler must have had a qualifying score in Pre-Open class the previous year(s).) This class may be repeated.

- | | |
|--|--------------|
| 1. Heel Free and Figure 8 | Max. 40 Pts. |
| 2. Command Discrimination (Stand, Down, Sit) | Max. 30 Pts. |
| 3. Drop on Recall | Max. 30 Pts. |
| 4. Retrieve on Flat | Max. 20 Pts. |
| 5. Retrieve over High Jump | Max. 30 Pts. |
| 6. Broad Jump | Max. 20 Pts. |
| 7. Stay-Get your leash (sit, Down) | Max. 30 Pts. |

GRADUATE OPEN CLASS (Handler must have had a qualifying score in Open class the previous year(s).)

- | | |
|----------------------------------|--------------|
| 1. Signal Exercise | Max. 40 Pts. |
| 2. Scent Discrimination | Max. 30 Pts. |
| 3. Go Out | Max. 30 Pts. |
| 4. Directed Jumping | Max. 30 Pts. |
| 5. Moving, Stand and Examination | Max. 30 Pts. |
| 6. Directed Retrieve | Max. 30 Pts. |

PREFERRED UTILITY/UTILITY CLASS (Handler must have had a qualifying score in Graduate Open the previous year(s).)

- | | |
|------------------------------------|--------------|
| 1. Signal Exercise | Max. 40 Pts. |
| 2. Scent Discrimination Article #1 | Max. 30 Pts. |
| 3. Scent Discrimination Article #2 | Max. 30 Pts. |
| 4. Directed Retrieve | Max. 30 Pts. |
| 5. Moving, Stand & Examination | Max. 30 Pts. |
| 6. Directed Jumping | Max. 40 Pts. |

NOTES:

1. If your dog did not have a qualifying score the previous year, you may repeat the class the following year. Dogs with qualifying scores from the previous year must advance. All classes now require a minimum score of 170 points (Obedience) to qualify for State Fair. Showmanship – members that won Jr. and Sr. Showmanship may represent Kendall County at State.
2. A run-off will be held in case of a tie for total score. a) Heeling on lead exercises will be used. b) All other classes, novice off lead exercises will be used.
3. **2019 State Fair date is August 24 at Granny Rose K-9 Enrichment Center, 613 River Lane, Dixon, IL.** If a 4-H member qualifies at the county dog show, State Fair information will be given to them. Papers then need to be returned to the Kendall County Extension office. The Extension office will mail the entry forms and appropriate papers to the State Fair.

See Animal Sciences on pages 23-24 for displays other than exhibiting the live animal.

4-H CLOTHING & TEXTILES DIVISION

Check-in Wednesday, July 24, Yorkville Congregational Church 9-10:30 a.m., judging 9:15 a.m. until complete.
SUPERINTENDENTS: Jodi Brummel 815-786-3080; Marcee Brummel 815-496-9359; Stacy Rehberg 815-736-6356;
Mary Schobert 630-669-8292; Katie Shimp 815-531-5603

4-H Project Category: Clothing & Textiles (STEAM Clothing, Shopping, Fashion Revue)

Trophies and Rosettes: Four Awards of Excellence, Best of Show, and Fashion Revue

1. See 4-H Requirements on pages 1-4. **Premiums—see page 4.**
2. **Check-in and judging** will be held **Wednesday, July 24** at **Yorkville Congregational United Church of Christ, 409 Center Parkway, Yorkville, Illinois.** **Clothing check-in from 9-10:30 a.m. Clothing judging from 9:15 a.m. until complete.** See **conference judging** section on pages 2-3. There is no 4-H clothing judging at the fair, all 4-H clothing judging is done July 25. You must bring exhibit tags to judging.
3. The public is welcome to attend the **Fashion Revue** on **Wednesday, July 24, at 7 p.m. at Yorkville Congregational United Church of Christ.** Members will model at that time. **Be dressed and ready at 6:45 p.m. for a group photo** (doors open at 6p.m. for youth to prepare). *Ribbons will be handed out for Fashion Revue after the judging is complete.* Please complete the **Fashion Revue Information Sheet** by **July 18** and return to the Extension Office.
4. **All exhibitors MUST have a good quality photo no larger than 4" x 6"** with name on the back of the photo of themselves wearing the garment. Call backs will be done using the **photo** and any entries chosen for State Fair must have the same photo attached with name on back.
5. If a pattern was used to make the garment, the pattern envelope and instructions are to be included at the judging. Photo and pattern are not needed at the fair. Exhibit tags should be attached to the garment, not the hanger, for the fair.
6. Bring your garment on a hanger to be judged first for construction, and then the judge will have you try it on to judge the fit. **4-H members must wear their garments** as part of the judging process. If the garment(s) was constructed for another individual, that individual must be present to wear the garment for the judge. (Only the exhibitor who made the garment is eligible for ribbon and premium.) A garment constructed for another person is not an acceptable option for Fashion Revue. Losing all the points in the appearance section of the scorecard will lower the rating one level. Construction and appearance will both be considered in the judging process.
7. Members wishing to exhibit **knitted items** should be enrolled in Visual Arts and exhibit in Fiber (if original) or Heritage Arts (if made from a pattern.) Members who enroll in Clothing & Textiles with the intent of pursuing **quilting** can exhibit in the non-clothing exhibit category in STEAM Clothing 1-FUNDamentals. Quilts exhibited in the Clothing & Textiles area will be judged using a rubric that evaluates the sewing skills and construction of the item. All work on the quilt **MUST** be completed by the 4-H member. Quilts can be hand OR machine quilted as long as ALL work is completed by the exhibitor.
8. **ALL clothing and textiles projects must be displayed at the Fair.** Failure to comply will result in rating being lowered one level. **Check-in for the Fair is Wednesday, July 31 from 4-6 p.m.** Exhibit tag(s) should be attached to the garment/item, not to the hanger. If you participated in Fashion Revue that tag should be attached as well.
9. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

FASHION REVUE (not eligible for State Fair in 2019)

FASHION REVUE: Exhibitors in this class may be enrolled in any of the following projects: STEAM Clothing 1-3, Shopping, and/or Visual Arts: Knitted garments. Modeled items must be garments constructed or purchased by the exhibitor and must be worn by the exhibitor. Pillows or other non-garment items are not appropriate for Fashion Revue. Exhibitors will be responsible for writing their narration (Fashion Revue Information Sheet for narration is due July 18).

SEWING

STEAM CLOTHING 1: FUNDamentals: May choose **one or two** exhibit opportunities from any of the following STEAM Clothing 1 classes: Non-Sewn, Sewn Non-Clothing, or Sewn Clothing (each exhibit must be from a separate class).

* **Non-Sewn Exhibit: Clothing Portfolio** - Complete at least three different samples/activities from Chapter 2 and/or Chapter 3 of the project manual. Examples of samples you might include: How Two Magically Become One, pages 85-86; No Fear of Fray, pages 93-95; Two Sides of the Moon, pages 97-99; On the Flip Side, pages 101-104; Basic Hand Sewing Skills, pages 106-108. The Portfolio should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – additional pages can be added each year but must be dated with the year. See pages 9-10 of project manual for portfolio formatting. **OR Fabric Textile Scrapbook** - Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover. See project manual, pages 42-74, for fabric options and fabric science experiments. **OR What's the Difference - What's the Price Point** – Exhibit may include a notebook, poster, small display sharing a project comparison and price point. See activity, pages 118-120. Exhibit should include PHOTOS; NO actual PILLOWS.

Beginning Sewing Exhibits – exhibits in this class must be made from medium weight woven fabrics that will sew and press smoothly, flannel/fleece is acceptable. Solid color fabrics or those having an overall print are acceptable. NO PLAIDS, STRIPES, NAPPED or JERSEY KNIT. Patterns should be simple WITHOUT DARTS, SET-IN SLEEVES, and COLLARS. Raglan and loose flowing sleeves are acceptable.

***Sewn Non-Clothing Exhibit:** Pillowcase OR Simple Pillow – no larger than 18" x 18" OR Bag/Purse – no zippers or button holes OR other non-clothing item using skills learned in project manual.

***Sewn Clothing Exhibit:** Simple top OR Simple pants, shorts, or skirt – no zipper or button holes OR Simple Dress – no zipper or button holes OR Other – other wearable item using skills learned in project manual (apron, vest, etc.)

STEAM CLOTHING 2: Simply Sewing - May choose **one or two** exhibit opportunities from the following STEAM Clothing 2 classes: Non-Sewn, Sewn Non-Clothing, and Sewn Clothing (each exhibit must be from a separate class).

***Non-Sewn Exhibit:** Clothing Portfolio – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual. The Portfolio should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – this can be a continuation of a Portfolio created in STEAM Clothing 1. Additional pages can be added each year but must be dated with the year created. See project manual, pages 9-11 for portfolio formatting. OR Expanded Textile Science Scrapbook – Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover. See Project, pages 40-82 for fabric science experiments. OR Design Basics – Understanding Design Principles – Exhibit should include a learning experience that demonstrates the design principles and elements involved when selecting fabric for clothing and accessories. See project manual, pages 17-20 for design suggestions. OR Entrepreneurial Sewing – Exhibit should highlight items you made for sale online. Create an exhibit that displays products you made and posted online. Refer to the project manual, pages 161-167 for information on how to analyze the cost of similar purchased items to determine pricing of your products. The exhibit may be a notebook, poster or small display.

***Sewn Non-Clothing Exhibit:** Recycled Clothing Accessory – Create a clothing accessory made from a used item. The item must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in the project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit. Clothing accessory may include: hat, bag, scarf, belt, etc. OR Non-Clothing Item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

***Sewn Clothing Exhibit:** Recycled Clothing – Create a garment from used textile based items. The original used item must be redesigned (not just embellished or decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit. OR Constructed Garment – Any garment with facings or curves. Should use at least one skill learned in this project and exhibitor should be able to identify the skills used. Garment should be appropriate for the age and experience of the member.

STEAM CLOTHING 3: A Stitch Further - May choose **one or two** exhibit opportunities from any of the following STEAM Clothing 3 classes: Non-Sewn, Sewn Non-Clothing or Sewn Clothing (each exhibit must be from a separate class).

***Non-Sewn Exhibit:** Clothing Portfolio – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual. The Portfolio should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – this can be a continuation of a Portfolio created in STEAM Clothing 1 and/or STEAM Clothing 2. Additional pages can be added each year but must be dated with the year created. See project manual, pages 11-13 for portfolio formatting. OR Expanded Textile Science Scrapbook - Must include at least 10 different textile samples. Use Textile Information Cards template on page 29 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover. See Project, pages 39-52 for fabric science experiments. OR Advanced Entrepreneurial Sewing – Using knowledge gained in project manual, Chapter 5, display one sample product with a business plan that includes a business ID and logo. The Exhibit may be a notebook, poster or small display.

***Sewn Non-Clothing Exhibit:** Recycled Clothing Accessory – Create a clothing accessory made from a used item. The item must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in the project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit. OR Non-Clothing Item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

***Sewn Clothing Exhibit:** Recycled Clothing – Create a garment from used textile based items. The original used item must be redesigned (not just embellished or decorated) in some way to create a new wearable piece of clothing. The finished

continued on next page...

garment must reflect at least one skill learned in this project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit. **OR Constructed Garment** – Any garment constructed by the member which is appropriate for the age and experience of the exhibitor. Should use at least one skill learned in this project and exhibitor should be able to identify the skills used. Possible examples are wool garment, dress or jacket with set in sleeves and zipper or buttons and button holes, suits, evening gown or sport outfit.

SHOPPING

May exhibit **one** of the following options that align with the Shopping in Style project level you are enrolled in: Beginning, Intermediate or Advanced. If a garment is part of the 4-H exhibit, do **NOT** wear garment when arriving for judging. Members are encouraged to spend more than one year involved in this project so they have time to learn what clothing styles look best on them while they also gain skills in building a versatile wardrobe and staying within their budget. Each year enrolled in Shopping should build on previous year's learning experience.

***SHOPPING IN STYLE – BEGINNING:** Choose one of the following activities from Unit 1 or Unit 2 of the project book.

- Exhibit should consist of a garment that reflects your personal style along with a poster or report that 1) explains how this garment reflects your style and how it influences what others think of you; **OR** 2) how your personal style either aligns or contradicts what is considered to be “in style” today.
- Exhibit should include a garment you purchased along with a poster or report that explains or illustrates how this garment is either 1) a modern version of a fad or fashion from an earlier decade; **OR** 2) how this garment reflects a different ethnic or cultural influence.
- Exhibit should include garment you purchased along with a poster or report that provides 1) a body shape discussion and how body shape influences clothing selections; **OR** 2) a color discussion that provides an overview of how different colors complement different hair colors and skin tones and how that influenced garment selection. Poster or report may include pictures from magazines, the internet or actual photos of garments.
- Exhibit should include garment you purchased along with a poster or report that 1) explains how this garment uses the principles of design lines to create an illusion to alter appearance; **OR** 2) explains how color and texture of fabrics can complement or enhance appearance. Poster or report may include pictures from magazines, the internet, or actual photos of garments.

***SHOPPING IN STYLE – INTERMEDIATE:** Choose one of the activities from Unit 3 or Unit 4 of the project book.

- Exhibit should include two clothing items that were previously a part of your wardrobe that still fit but you don't wear anymore and pair them with something new to make them wearable again. Also include a report that explains why the garment was not being worn and what you did to transform it into a wearable garment again.
- Exhibit should include at least five pieces of clothing that exhibitor can mix and match to create multiple outfits. Include a poster or report that includes a clothing inventory **AND** describes what you have learned by completing this activity.
- Exhibit should include garment you purchased along with a poster or report that 1) includes a wardrobe inventory which indicates why you selected the garment you did, clothing budget, and cost of garment; **OR** 2) explains how advertising influences clothing purchases making a distinction between wants and needs; and how the purchase of this garment compliments and/or extends your wardrobe.
- Exhibit should include garment you purchased along with a poster or report that 1) describes a cost comparison of this item completed by the exhibitor when purchasing the garment; should include variety of shopping options and/or price tracking at stores over a period of time; **OR** 2) provides a quality comparison rating the specific clothing item purchased based on care, construction, cost and unique features; should include construction quality details, design features that influenced selection, cost per wearing, and garment care.

***SHOPPING IN STYLE – ADVANCED:** Choose one of the activities from Unit 5 or Unit 6 of the project book.

- Exhibit should include garment you purchased along with a poster or report that summarizes care requirements not only for this garment but also for garments made of other natural and synthetic fibers; exhibit should also include a care cost analysis for garments of different fibers.
- Exhibit should include garment you purchased which you have repaired or altered along with a poster or report that provides a clothing inventory list which includes cost savings for repaired items as compared to purchasing replacement garments.
- Exhibit should include multiple garments you purchased along with a poster or report that provides plans and commentary for a fashion show that that would capture the attention of an audience. Fashion show plans should identify target audience, include show venue, purpose of the show, and logistical plan for the fashion show. This should also include a financial plan. Exhibitor should be prepared to demonstrate modeling skills.

***SEWING & TEXTILES READY4LIFE CHALLENGE:** (Open to 11 to 18-year-olds enrolled in any Sewing & Textiles project)

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

***CLOTHING MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

4-H COMMUNITY & PERSONAL DEVELOPMENT DIVISION

Check-in Tuesday, July 30, 4–6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDENT: Sue Larson 815-736-6244

SUPERINTENDENT (Animal Science/Vet Science): Charlotte St. John 630-897-5128

4-H Project Categories: Animal & Vet Science, Civic Engagement, College & Career Readiness, Communications, Intercultural, Leadership, Theatre Arts and Public Presentations

Trophies and Rosettes: Four Awards of Excellence

1. See 4-H Show Requirements on pages 1-4.
2. Quality Assurance & Ethics **must be** completed by **May 1** to be able to show Animal Science Displays in the areas of: beef, cats, dairy, dogs, goat, horse, poultry, rabbits, sheep, & swine. *Small Pets and Veterinary Science are exempt.* See page 4, #18 for Quality Assurance & Ethics information.
3. **Check-in projects with the superintendent on Tuesday, July 30 from 4-6 p.m., judging until finished.** They will direct you to the proper judge when it is your judging turn. See the **conference judging** section on pages 2-3.
4. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

ANIMAL SCIENCE

***ANIMAL SCIENCE:** This exhibit is for 4-H members enrolled in Beef, Cats, Dairy, Dogs, Goats, Horse/Pony, Poultry, Rabbits, Sheep, Small Pets, Small Pets Guinea Pig and Swine. A member may exhibit in more than one specie area, but must be enrolled in that specie by April 1. *Members choosing to enter a display in animal science MUST complete Quality Assurance & Ethics online training by May 1 (excludes small pets, and vet science). QA&E need only be completed once in the member's 4-H career in one specie. Member is welcome to complete in all species exhibiting but it is not required.*

Prepare a display focusing on any activity related to the “animal” project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn’t limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you’ve learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

- *ANIMAL SCIENCE READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in Beef, Cats, Dairy, Dogs, Goats, Horse/Pony, Poultry, Rabbits, Sheep, Small Pets, Guinea Pig or Swine.) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *ANIMAL SCIENCE MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.
- In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

VETERINARY SCIENCE

- *VETERINARY SCIENCE: (Open to youth in Veterinary Science 1, 2 or 3): Prepare a display focusing on any activity related to the veterinary science project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.
- *VETERINARY SCIENCE READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Veterinary Science project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *VETERINARY SCIENCE MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.
- In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

CIVIC ENGAGEMENT (previously Citizenship)

Exhibit a display illustrating **one** of the following options in the level of Civic Engagement that you are enrolled in. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

- *CIVIC ENGAGEMENT 1: Exhibit a display illustrating one of the following options: 1) personal information about yourself – who you are, things you like to do, things you are good at, your favorites; 2) your feelings and how you handle these feelings; 3) your family, their responsibilities, how you work together; **OR** 4) the Family Pedigree that may include family group pages.
- *CIVIC ENGAGEMENT 2: Exhibit a display illustrating one of the following options: 1) your neighborhood; 2) how you were a good neighbor or led a service project for your community; **OR** 3) a Citizenship Challenge that you helped organize and lead (see the project book for details). E
- *CIVIC ENGAGEMENT 3: Exhibit a display illustrating one of the activities that you completed within your project as it relates to the following categories in the manual. Exhibit a display illustrating one of the activities that you completed within your project as it relates to one of the following categories in the manual: 1) Government; 2) Business and Industry; 3) Transportation, Communication & Utilities; 4) Culture & Heritage; 5) Natural Resources & Environment; 6) Education; 7) Organizations within your community; 8) Tourism; **OR** 9) Support Systems within your community.
- *CIVIC ENGAGEMENT READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any CIVIC ENGAGEMENT project.) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *CIVIC ENGAGEMENT MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
 - Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

SERVICE LEARNING 1 & 2: (not eligible for state fair) Exhibit a binder portfolio to reflect what the exhibitor accomplished in the four steps of service learning. If exhibitor has been enrolled in project for multiple years (including Service Learning 1), the binder portfolio should include previous years' work. Use of page protectors is recommended.

COLLEGE & CAREER READINESS

- *BUILD YOUR FUTURE: Develop a Career portfolio which includes the items listed below. Members are encouraged to spend more than one year involved in this project so they have time to thoroughly explore the learning modules and develop a greater understanding of planning and preparing for their future and develop a comprehensive career planning portfolio. Include the original **OR** photocopies of the completed activities from the project manual in the portfolio. Each year enrolled should build on previous year's learning experiences.
 - First Year – Complete a minimum of Activities 1-4 from the Build Your Future project manual which includes: Skills...Choices...Careers; Making Career Connections; Build Your Future Through Portfolios; and Education Pay\$.
 - Second Year – Complete a minimum of Activities 5-7 from the Build Your Future project manual which includes: Career FUNds; Turn Your 4-H Passion Into Profit; and Pounding the Pavement.
 - Third Year – Complete a minimum of Activities 8-9 from the Build Your Future project manual which includes: Putting the Pieces Together: Goals for the Future; and Pathways to Success.

***COLLEGE & CAREER READY4LIFE CHALLENGE:** (Open to 11- to 18-year-olds enrolled in the College & Career project)

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

***COLLEGE & CAREER MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

COMMUNICATIONS

***COMMUNICATIONS 1, 2, 3:** For 1st year enrolled in project: Exhibit a binder portfolio showcasing at least three activities from the project manual. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project: Include everything from earlier years' work and add section showcasing at least four additional activities per year.

***CREATIVE WRITING:** To provide the best learning experience, it is suggested that counties receive submissions in this class prior to the exhibition date to allow a judge adequate time to read the submissions and provide meaningful review. Each member may submit only one entry per class. Each entry is to be typewritten on 8 ½ x 11 paper and include exhibitors' name. Entries must be original and written for the 4-H project. Stories should be double-spaced. Poems may be single-spaced.

- Rhymed Poetry – An interpretation of a subject in rhymed verse. Submit a collection of three poems.
- Free Style Poetry– An interpretation of a subject in unrhymed verse. Submit a collection of three poems.
- Short Story– A fiction piece comprised of three basic elements: a theme, a plot and characters. Submit one story, maximum length –2,000 words.
- Essay– A short nonfiction composition in which a theme is developed or an idea is expressed. Submit one essay, maximum length –500 words.
- Feature Story -- Nonfiction human-interest story judged on interest to readers, writing style, readability, and thoroughness of coverage. Submit one story, maximum length –1,000 words.

***JOURNALISM:** Exhibit a binder portfolio showing the results of the year's activities noted below:

- Year 1: Accomplishments of a minimum of 5, 2-star activities from Part 1, answering all of the questions in the activities.
- Year 2: Results of doing a minimum of 5, 2-star activities in Part 2, answering all the questions in the activities.
- Year 3: Results of doing a minimum of 5, 3-star activities from Parts 1 and 2. One of the activities must include writing an advance story, a follow-up story, or a feature story.
- Year 4: Results of doing at least 2, 2-star activities and 3, 3-star activities from Part 3. If the activities include making an audio or videotape, staff will provide a way for the judge to view or listen to it.

***COMMUNICATIONS READY4LIFE CHALLENGE:** (Open to 11 to 18-year-olds enrolled in any Communications project.)

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

***COMMUNICATIONS MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

PUBLIC PRESENTATIONS (not eligible for state fair premiums)

The 4-H Public Speaking Contest **will be held April 6 at Kendall County Extension office**. Enrollment in the Public Presentations project is required to participate in this section. No live animals are allowed in speeches. A **state contest is held June 8**, and counties will receive instruction as to the number of participants allowed. Youth may participate in one or two speeches.

FORMAL SPEECH: | Self-written | Notes Allowed | No props | Individual | 4-8 minutes

Formal Speeches share the presenter's own unique view and are intended to motivate, persuade, or inform an audience and may include a call to action. Youth deliver a speech on any topic they wish (Original Oratory), or choose one of these four topics on which to speak (Topical Response):

- Welcome to the Digital Age
- What is My Connection to the Global Community?
- Power: Who Has It, Who Doesn't, and Does It Matter?
- If I Could See tomorrow...

ILLUSTRATED SPEECH: | Self-written | Notes allowed | Illustrations Required | Individual | 4-8 minutes

Illustrated Speeches may be used to inform, persuade, or motivate the audience while using a visual aid. Visual aids may be two dimensional, three-dimensional, or digital. Youth may include audience participation. Digital visual aids must be stored on a USB flash drive. Illustrated speeches may be:

- How-to demonstrations which show the audience how to do something.
- Object lessons which use objects as metaphors to share a message.
- Educational models where drawings or diagrams help explain a topic.

ORIGINAL WORKS: | Self-written | Notecards allowed | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-8 minutes

Original works must be written entirely by the presenter. It may be presented as an individual or a two-person team entry. Manuscripts must be sent in advance to the contest. Presentations may be designed for TV, radio, or online media and must be presented live. The types of entries could include:

- Prose and Short Stories
- Poetry
- Combined Program: Combine any number of the above elements along with other creative presentation forms
- Broadcast Media Program
- Theatrical

ORAL INTERPRETATION: | Published work | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-8 minutes

Presentations in Oral Interpretation must be published works, and manuscripts or transcripts must be submitted prior to the event. They may be presented as an individual or a two-person team entry. The types of entries could include:

- Prose and Short Stories
- Poetry
- Theatrical Interpretation
- Published Speech Recitation: Excerpt from a spoken presentation delivered by a public figure, such as Winston Churchill, Dr. Martin Luther King, Jr., or Maya Angelou
- Combined Program: Combine any number of the above elements along with other creative presentation forms

INTERCULTURAL (Passport to the World)

Exhibits are limited to 2' 6" wide and 15" deep.

- *PASSPORT TO THE WORLD - INDIVIDUAL: Prepare a display illustrating what you have learned about a country's or U.S. region's geography, economy, agriculture, people, language, housing, culture, music, crafts, clothing, holidays or other aspect. Exhibit should be educational in nature and should not promote one's beliefs over another person's beliefs. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Include the project manual with completed sections that pertain to the exhibit.
- *INTERCULTURAL READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Intercultural project)
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *DIVERSITY & CULTURAL AWARENESS: Create a display or binder portfolio that illustrates the results of a minimum of three (3) completed activities from the project book.
- *INTERCULTURAL, CLUB: **Includes *Passport to the World, Diversity & Cultural Awareness* and *Latina Cultural Arts Projects*: (Judging was held on April 12.)** Exhibit a display illustrating the steps that the club has completed on the project selected for the year. Include a written outline or report of accomplishments and future goals. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what the club members have learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. The display must be accompanied by 3 or more 4-H members at the time of the judge's critique. Club members should make a 5 to 10 minute presentation to the judge. All club members present for the judge's critique should be able to discuss the project and answer questions. Only club members present for judging and who participate in the actual critique and presentation are eligible for ribbons and premiums. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep. If club is chosen for State Fair, they will exhibit on Friday, August 9. See pages 4-5 of the fair book for more information on State Fair.
- *INTERCULTURAL MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:
- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and MUST be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device MUST be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
 - Exhibit MUST be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.
- In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

LEADERSHIP

*LEADERSHIP 1: Create a binder portfolio (use of page protectors is recommended) with a **minimum of four completed activities each year** from the areas noted below. Build upon your previous year's work. Activities should relate to the exhibitor's age and experience. **Photocopies or original pages of the completed activities from the books** should be included with the portfolio.

First Year – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with Others, plus one of exhibitor's choice from the manual.

Second Year – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one of exhibitor's choice from the manual.

Third Year – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

*LEADERSHIP 2 & 3: Building upon your previous work, continue adding to your binder portfolio with a **minimum of four completed activities each year** from the areas noted below. **Photocopies or original pages of the completed activities from the book** should be included in the portfolio. Use of page protectors is recommended.

First Year – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with Others, plus one of exhibitor's choice from the manual.

Second Year – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one of exhibitor's choice from the manual.

Third Year – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one of exhibitor's choices from the manual.

*LEADERSHIP INNOVATION CLASS: (Open to youth who are enrolled in Leadership 1, 2 or 3.) Demonstrate the skills and knowledge you have gained through the Leadership project. Your exhibit should not fit in the other exhibit options for this project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*LEADERSHIP READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Leadership project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*LEADERSHIP MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

*LEADERSHIP GROUP: (Open to clubs and groups whose members are enrolled in any leadership project) Exhibit a display illustrating how your group has used the 4-H Teens As Leaders model effectively in your club, community, school, or state. Leadership activities might include planning, advising, promoting, mentoring, teaching or advocating for change. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. You must furnish any equipment you need for

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your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. The display must be accompanied by three or more club exhibitors at the time of the judge's critique. Club members should make a 5-10 minute presentation to the judge. All club members present for the judge's critique should be able to discuss the project and answer questions. Only club members present for judging who participate in the actual critique and presentations are eligible for ribbons and premiums.

THEATRE ARTS

*THEATRE ARTS 1: Exhibit one of the following items:

- Portfolio of acting activities completed during the current year (A video of performances is not considered a portfolio and will not be accepted for exhibit.); **OR**
- Display illustrating a drawing/photograph of a clown character created by the exhibitor; **OR**
- Display illustrating a picture story developed by the exhibitor.

*THEATRE ARTS 3: Exhibit one of the following items:

- Portfolio of activities for set design; make-up; or sound, props, or costuming completed during the current year; **OR**
- Display that includes sound, props and costume charts appropriate for a selected scene from a story or play (limited to no more than 8 items); **OR**
- Display a scenic design model to depict a scene from a script; **OR**
- Display illustrating a character with make-up drawn or colored in. Include a photo of a person wearing the make-up and information on the character's personality or part in the play.

*THEATRE ARTS INNOVATION CLASS: (Open to youth who are enrolled in Theatre Arts.) Demonstrate the skills and knowledge you have gained through the Theatre Arts project. Your exhibit should not fit in the other exhibit options for this project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*THEATRE ARTS READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Theatre project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*THEATRE ARTS MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
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- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

4-H ENGINEERING & TECHNOLOGY DIVISION

Check-in Tuesday, July 30, 4–6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDENTS: Jeff Nakaerts 630-554-1908; Linda Fitzgerald 815-475-7338; Mike Getz 630-669-0739

4-H Project Categories: Aerospace, Bicycles, Computers, Electricity, Geospatial, Robotics, Small Engines, Technologies (3D Print & Design and UAV), Tractor, Video/Filmmaking, Welding, Woodworking

Trophies and Rosettes: Seven Awards of Excellence

1. See 4-H Show Requirements on pages 1-4.
2. **Check-in projects with the superintendent on Tuesday, July 30 from 4-6 p.m., judging until complete. Bicycle & Welding: check-in 4:45, judging 5-6 p.m..** The superintendent will direct you to the proper judge when it is your turn to be judged. Please see the **conference judging** section on pages 2-3.
3. Exhibits which are incomplete according to class exhibit requirements will be graded ONE rating lower.
4. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

AEROSPACE (Open to youth in Aerospace 2, 3 or 4)

- *MODEL ROCKETRY: Exhibit one model rocket assembled by the member. Exhibit will be a static display. The model rocket should be in good flying condition. DO NOT include the rocket engine with your exhibit. Rockets will not be launched. *Attach the printed directions for construction of the rocket if any were used.*
- *AEROSPACE DISPLAY: Prepare a display related to the aerospace project which does not fit in the model rocketry class. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.
- *AEROSPACE READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Aerospace project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *AEROSPACE MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
 - Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
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 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

BICYCLE (not eligible for state fair)

Check-in 4:45 p.m., judging 5-6 p.m.. Do not bring bicycles to the fair.

BICYCLE 1: (Bicycling for Fun) & **BICYCLE 2** (Wheels in Motion) – Prepare a display illustrating an activity from the book. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

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BICYCLE READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Bicycle project)

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

***BICYCLE MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

COMPUTER SCIENCE

Exhibitors will be asked to give a presentation/explanation of their exhibit to the judge. A presentation using a computer is not required. **COMPUTERS WILL NOT BE FURNISHED.** Exhibitors may bring computer equipment for demonstration purposes.

*Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. **All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition.*** The Kendall County Fair Association and University of Illinois Extension are not responsible for the safety or security of any computer equipment. **Internet connections are not available for use by exhibitors.** Any member found to be using computer software in a manner that infringes on copyright laws will be disqualified.

BEGINNING VISUAL PROGRAMMING: (Not eligible for state fair) Open to youth in Computer Science Visual Based

Programming. Exhibit a simple program using Scratch (or other simple graphic programming language). The program should include 8 different commands including looping and getting input from the keyboard and mouse. All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

***INTERMEDIATE VISUAL PROGRAMMING:** (Open to youth in Computer Science Visual Based Programming) Exhibit a program using Scratch (or other simple graphic programming) that you have downloaded from the internet and modified. Compare the two programs and demonstrate the changes you made to the original program; **OR** create an animated storybook using Scratch (or other simple graphical programming language). Exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the exhibit period.

***ADVANCE VISUAL PROGRAMMING:** (Open to youth in Computer Science Visual Based Programming) Exhibit a video game you have created in Scratch (or other simple graphic programming). All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

***WEBSITE DESIGN:** (Open to youth in Computer Science Visual or Text-Based Programming) Exhibit an original website that you have designed. Internet access will not be provided, so exhibitors must supply their own internet hot spot or the website must be hosted on the exhibitor's computer). All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

- *COMPUTER OPEN SOURCE/INNOVATION CS: (Open to youth enrolled in Computer Science Text-Based Programming or robotics project) Demonstrate the skills and knowledge you have gained through the Computer project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. Exhibits in this class may also demonstrate successful application of open source (publicly available) computing software and/or hardware, such as Raspberry Pi and Linux, to accomplish a task. All exhibits must include something visual, such as a poster or printed copy of a digital presentation or programming flowchart, which will remain on display during the exhibition. Exhibits in this area will be judged on the computer science programming. Youth enrolled in a robotics project should choose this class if you want the exhibit to be judged on the programming of the robot. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.
- *COMPUTER SCIENCE READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Computer project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *COMPUTER SCIENCE MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.
- In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

ELECTRICITY

It is strongly suggested that members use recommended construction details, including proper color coding, provided by the Energy Education Council (EEC) that have been provided on the EEC 4-H website:

<http://www.energyedcouncil.org/4-H.html>. **All electricity projects must include a report explaining how the project was constructed and the principles demonstrated.** Recommendations can be found on the website.

- *ELECTRICITY 1: (**Only direct current-battery-wiring and components may be used.**) Exhibit a momentary switch, simple switch, basic circuit, electromagnet, galvanometer, **OR** an electric motor. Projects using paper clips, cardboard, thumbtacks, & brads are not eligible for state fair exhibits. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.
- *ELECTRICITY 2: (**Only direct current-battery-wiring and components may be used.**) Exhibit a circuit board, demonstrating parallel and series switches, including a circuit diagram; 3-way or 4-way switch circuit using DC/battery; **OR** basic electrical device (examples: rocket launcher, burglar alarm, etc.). Projects using paper clips, cardboard, thumbtacks, & brads are not eligible for state fair exhibits. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.
- *ELECTRICITY 3: Exhibit a 120V lighting fixture or other appliance which uses a switch; **OR** two electrical household circuits using 120V materials to comply with National Electrical Code, one with a simple on/off switch to control bulb, and one using 3-way switches to control light from two locations; **OR** other project which demonstrates principles in the Wired for Power book.
- ELECTRICITY 4: (not eligible for state fair) Exhibit any electronic or solid state appliance. Exhibitor must be able to explain how the project was constructed, how it is to be used and how it works. When project is being constructed, general safety and workmanship should be considered.

*ELECTRICITY READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Electricity project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
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In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

GEOSPATIAL (not eligible for state fair)

Exhibitors may bring their own laptops for demonstration purposes. Neither computers nor internet connections are available for use by exhibitors.

EXPLORING SPACES, GOING PLACES, LEVEL 1: Exhibit one of the two options listed below:

- Using the 'Take Me on a Tour ' activity, create a display and map showing four to six tour sites, geo-tools used to create the map, positional data for the sites, and information about the selected sites. **OR**
- Using information from the "What Are Geographical Tools?" activity, prepare an exhibit showing and describing ten mapping tools. Explain how the mapping tools are used and why maps are important.

EXPLORING SPACES, GOING PLACES, LEVEL 2: Using the table from the "Take Me on a Tour" activity, create a map showing recreational, historical or public service sites in your community. Determine if there is a need for additional community resources. Make written suggestions for what resources should be added and where they should be located on your map.

EXPLORING SPACES, GOING PLACES, LEVEL 3: Create a computer-generated map with layered data that provides information on a community need. Explain how the need was identified; how you gathered information; and your recommendations on how to solve the need. Use the template from "Take Me on a Tour" activity to gather data for the map.

GEOSPATIAL READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in the Geospatial project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*GEOSPATIAL MAKER: (Eligible for State Fair) Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

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In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

ROBOTICS

Exhibitors may bring their own laptops for demonstration purposes. Neither computers nor internet connections are available for use by exhibitors.

- Exhibits in Robotics 1 or 2 are designed to be used with the LEGO Mindstorms (NXT or EV3).
- Any other programmable robot kit such as Arduino or Raspberry Pi, should be exhibited under Free Range Robotics Class, Innovation Class or Ready4Life Challenge Class.

ROBOTICS 1: BEGINNING: (Not eligible for State Fair) Exhibitors should complete Activities 1-6. Exhibitors will design, build and program a robot that can autonomously follow a predetermined path that changes direction at least 4 times during a single run. They will bring their Robotics Notebook to share what they learned about the engineering design process and programming.

***ROBOTICS 1: INTERMEDIATE:** Exhibitors should complete Activities 7-12. Exhibitors will design, build and program a robot that uses at least one sensor to autonomously follow a path, respond to, and or avoid obstacles. Exhibitors in this class must use at least one sensor in their robot design. They will bring their Robotics Notebook to share what they learned about the engineering design process and programming.

***ROBOTICS 2:** Exhibitors should complete Activities 1-7. Exhibitors will design, build and program a robot that uses sensors and programming to complete one of the provided challenges. They will bring their robot and Robotics Notebook to share changes they made to the robot and/or program along the way, and to describe their experience with completing the challenge.

***ROBOTICS INNOVATION OPEN SOURCE CLASS:** (Open to youth enrolled in Robotics 3, but may also include youth in Robotics 1 or 2 if the exhibit meets the guidelines.) Exhibit an original robot, either homemade or a kit that does not fall under Robotics 1 or 2 that can complete a task using MULTIPLE sensors. If a robot kit is used, then some parts of the robot must be built using other components such as wood, plastic or metal. The robot can include any types of motors, pneumatics or sensors. The Innovation class can also be used for LEGO Mindstorms or Vex kits where the exhibit does not fall under Robotics 1 or 2 exhibit option. Autonomous control of the robot may also be achieved using an “open source” platform such as Arduino or Raspberry Pi and can be programmed using a coding language that is publicly available. Exhibitors in Robotics Innovation/Open Source class must bring a detailed engineering notebook that describes how the exhibitor designed, built and programmed the exhibit.

JUNK DRAWER ROBOTICS: All exhibits should be original designs made with everyday objects and materials. Exhibits with purchased kits will not be accepted. Exhibitors are also required to bring their Junk Drawer Robotics Youth Robotics Notebook with the sections completed for the project they are exhibiting, including the sections leading up to the activity they are exhibiting. For example, if a youth is bringing Activity E from Junk Drawer Level 1, they should have robotics notebook sections A-E completed.

JUNK DRAWER ROBOTICS 1: (not eligible for state fair) Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 1 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

***JUNK DRAWER ROBOTICS 2:** Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 2 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

***JUNK DRAWER ROBOTICS 3:** Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 3 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

***ROBOTICS READY4LIFE CHALLENGE:** (Open to 11- to 18-year-olds enrolled in any Robotics project)

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

***ROBOTICS MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

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In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

SMALL ENGINES

Displays must be no larger than 4' x 4' display board. Exhibits must be portable. No complete engines, lawn tractors, tillers, chainsaws, etc. are allowed for display. No electrical power is available for displays/exhibits.

*SMALL ENGINES - (Open to youth in Small Engines 1, 2 and 3.) Exhibit a display, selecting one of the following items:

- **Ignition System:** Identify the parts of the Ignition System and explain how magnetic energy is produced through the ignition system to ignite the spark plug; **OR**
- **Compression System:** Explain how heat energy is produced by an engine and converted into mechanical energy; **OR**
- **Heat Transfer:** Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine; **OR**
- **Filter Maintenance:** Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine; **OR**
- **What does a serial number reveal?:** Explain the various information that can be learned from the serial number or identification number stamped on the shroud of a Briggs & Stratton engine; **OR**
- **Tools to do the job:** Identify and explain the function(s) of different specialty tools needed for small engine work; **OR**
- **Experimentation:** Explain through illustration an experiment you conducted from the project manual showing the results of your work.

*SMALL ENGINES READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Small Engines project)

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

TECHNOLOGIES

3-D PRINTING & DESIGN: (not eligible for State Fair) Choose one of the following classes based on your interest and skill level. Exhibitors are expected to use the engineering design process to complete their designs. This process is important to the outcomes and exhibitors must keep a log outlining the step-by-step notes, sketches, and documentation from throughout the design process. The logbook should define the problem that is being solved/use of the object and describe in detail each step of the Engineering Design Process taken during the creation of the invention.

3-D DESIGN BEGINNER: (not eligible for State Fair) No 3-D Printer or 3-D printed object is required for this exhibit. Exhibit a simple 3-D rendered design using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The design continued on next page...

must be an object that performs a specific task, and may not be based on already existing 3-D models. It must be able to be 3-D printed. Any CAD software can be used, but files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging. Exhibits in this class may not have multiple parts, doors, hinges, or any sort of mechanics.

3-D DESIGN ADVANCED: (not eligible for State Fair) No 3-D Printer or 3-D printed object is required for this exhibit. Exhibit a simple 3-D rendered design using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The design must be an object that performs a specific task, and may not be based on already existing 3-D models. It must be able to be 3-D printed. Any CAD software can be used, but files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging. Exhibits in this class may not have multiple parts, doors, hinges, or any sort of mechanics.

3-D PRINTING BEGINNER: (not eligible for State Fair) Exhibit a simple 3-D printed object designed using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The 3-D printed object must perform a specific task, and may not be based on already existing 3-D models. It must be 3-D printed using ONLY A COMMERCIALY AVAILABLE HOME/DESKTOP 3-D PRINTER. In addition, original design files must accompany each exhibit. These files must be in .STL format. Bring your design on a jump drive to be viewed for judging. Exhibits in this class may not have multiple parts, doors, hinges or any sort of mechanics

3-D PRINTING ADVANCED: (not eligible for State Fair) Exhibitors are expected to go above and beyond those expectations set in 3-D Printing beginner. Exhibit a Complex 3-D printed object designed using Computer Aided Design (CAD) software such as Tinker CAD or Inventor. The 3-D print must be an object that performs a specific task, and may not be based on already existing 3-D models. Exhibits in this class MUST have multiple parts, doors, hinges or some sort of mechanical feature. It must be 3-D printed using ONLY A COMMERCIALY AVAILABLE HOME/DESKTOP 3-D PRINTER. In addition, original design files must accompany each exhibit. These files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging.

3-D PRINTING & DESIGN READY4LIFE CHALLENGE: (Open to 11- to 18-year-olds enrolled in any 3-D project) (not eligible for State Fair) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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- The device must be something that can be used in everyday life by multiple people (a target audience), and MUST be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device MUST be modified structurally or be reprogramed to perform a different function other than what it was designed to do
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- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.

All parts and software used in the design/build MUST be listed in a

UNMANNED AERIAL VEHICLES/SYSTEMS (DRONES): Choose one of the following classes based on your interest and skill level.

UAV DISPLAY: (not eligible for State Fair) Prepare a display related to the Drones/UAV project on the topic of your choosing.

The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Non-UAV/ Drone projects should not be entered in this class.

UAV UNMANNED AERIAL SYSTEMS: (not eligible for State Fair) Exhibit one Unmanned Aerial Vehicle and associated system assembled or made by the member. UAV or Drone exhibits in this class must be either originally designed or built from a kit of reconfigurable parts and components. These displays are limited to multicopters (tri, quad, hex, and octocopters), as well as FPV airplanes and flying wings with wingspans up to 36". The UAV MUST have a Flight Controller and utilize a camera/video transmission system. The exhibit will be a static display. The Drone should be in good flying condition with batteries fully charged, and all UAS components (including Video System) ready to demonstrate. DO NOT display your UAV with the propellers on, but rather on the table to the side of your UAV. The Drone will not be flown unless the weather permits, and flights have been approved by the local FAA/Air Traffic Control Tower. Attach the printed directions of the UAV if any were used.

UAV READY4LIFE CHALLENGE: (not eligible for State Fair) (Open to 11- to 18-year-olds enrolled in any UAV project)

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

TRACTOR

ALL items in the display should be affixed to the display board. NO additional items should be included.

*TRACTOR A: Exhibit a display or poster that illustrates one of the following topics: tractor safety; care and maintenance; the tractor as a valuable farm machine; or an activity listed in the 4-H project manual.

*TRACTOR B: Exhibit a display or poster that illustrates one of the following topics: cause and prevention of rollovers, diagram how an air cleaner works, diagram & identify an engine cooling system, regulations for battery & oil disposal, or another activity listed in the 4-H project manual.

*TRACTOR C: Exhibit a display or poster that illustrates one of the following topics: wagon and bin hazards, diagram and identify open and closed hydraulic systems, mower types and safety features conveyor types and safety features, or another activity listed in the 4-H project manual.

*TRACTOR D: Exhibit a display or poster that illustrates one of the following topics: method of winterizing a tractor, chemical uses and required safety equipment, parts and process of internal combustion engine, procedure for cleaning and flushing tractor radiator, or another activity.

*TRACTOR INNOVATION CLASS: (Open to youth who are enrolled in Tractor A, B, C or D.) Demonstrate the skills and knowledge you have gained through the Tractor project. This could be related to, but not limited to, advancements in technology, enhancements to crop production, or a topic of interest to the member related to tractors or farm machinery. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*TRACTOR READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Tractor project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

continued on next page....

*TRACTOR MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

VIDEO/FILMMAKING

Requirements: Video submissions should be no longer than five (5) minutes in length (unless noted differently in class description.) Enrollment in the video project is required to exhibit in the classes in this section. Videos are to be original and a result of the member's current year's work. Criteria for judging classes shall include: (1) Evidence of story line; (2) Use of camera angles; (3) Use of zooming techniques; and (4) Smoothness of scene changes. Image and sound quality will be considered in relation to equipment available to and used by exhibitor. All videos should comply with copyright regulations and display an image that is appropriate for 4-H audiences. No time or date should be imprinted on the video footage. All videos should include an opening title screen, as well as closing credits which include date of production, name of video exhibitor and research resources if appropriate. All video/filmmaking exhibitors must include a printed copy of materials which remain on display. Exhibitors will be asked to give a presentation/explanation of their exhibit to the judge. **COMPUTERS WILL NOT BE FURNISHED.** Exhibitors may bring computer equipment for demonstration purposes. The Kendall County Fair Association and University of Illinois Extension are not responsible for the safety or security of any computer equipment. **Internet connections are not available for use by exhibitors.** Any member found to be using computer software in a manner that infringes on copyright laws will be disqualified.

State Fair Delegates – All Exhibitors must bring their video to be judged on a USB flash drive and saved in .MP4 format.

Exhibitors are encouraged to post their video on YouTube.com in advance of State Fair. Exhibitors may choose whether to make the video "public, unlisted" (someone must have the link to view it), or "private" (only people you choose may view it). This will allow fairgoers to view the exhibits on display. There will be monitors at the exhibit table for viewing videos so exhibitors will NOT need to bring a laptop or device for viewing.

*COMMERCIAL OR PROMOTIONAL VIDEO: Prepare a short video (30 seconds to 1 minute in length) that promotes an event, advertises a specific project/product, or is a public service announcement. The video should demonstrate skills in making and editing video.

*ANIMATED VIDEO: Video in this class should represent creative animation of original artwork created by the exhibitor and may include stop motion techniques. Media might include images created with graphics software or hand-drawn images.

*DOCUMENTARY: Video in this class should represent a research-based investigation into a topic of choice. Video credits should list research sources and may include paper or electronically published materials, as well as, and/or interviews with experts or constituents related to the topic of investigation.

*SHORT STORY or SHORT NARRATIVE: Prepare a short video that tells a story. The video should demonstrate skills in making and editing video.

*VIDEO/FILMMAKING INNOVATION CLASS: (Open to youth who are enrolled in Video/Filmmaking.) Demonstrate the skills and knowledge you have gained through the Video project. Your exhibit should not fit in the other exhibit option for this project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*VIDEO/FILM READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Video/Film project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*VIDEO MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and MUST be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device MUST be modified structurally or be reprogramed to perform a different function other than what it was designed to do
- Exhibit MUST be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

WELDING

Check-in Tuesday, 4:45 p.m., judging 5-6 p.m.

*WELDING: This exhibit class is open to members who are in the **7th grade and higher**. Exhibit one Arc weldment/item demonstrating the skill level of the exhibitor. Members new to the project should consider selecting a weldment from the suggested Weldment List found on page 43 of Arcs and Sparks (4-H 573 – Shielded Metal Arc Welding). **This class is for industrial welding only.** (Members that wish to use welding to create objects with an artistic appeal should consider enrolling in the 4-H Visual Arts project and consider entering those types of exhibits in the Visual Arts – Metal class.) Exhibits must be portable and cannot be exhibited on a trailer.

*WELDING READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Welding project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*WELDING MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and MUST be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device MUST be modified structurally or be reprogramed to perform a different function other than what it was designed to do
- Exhibit MUST be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

WOODWORKING

Woodworking exhibits must be no wider than 6' in size. Exhibits must be portable and cannot be exhibited on a trailer. Not necessary to make a project from the book. Pre-cut kits assembled by the member are not acceptable. Contact the Extension Office a week in advance if the exhibit will take more than 3' x 3' of floor space.

*WOODWORKING 1: **(Hand Tools Only)** Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project.

*WOODWORKING 2: Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. **Member may use power tools.**

*WOODWORKING 3: Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. **Member may use power tools.**

*WOODWORKING 4: Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. **Member may use power tools.**

*WOODWORKING READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Woodworking project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*WOODWORKING MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and MUST be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device MUST be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
- Exhibit MUST be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

4-H FOOD & NUTRITION DIVISION

Check-in projects Wednesday, July 31, 4–6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDENTS: Anne Sears 630-552-3444, Allison Rott 815-826-0567

4-H Project Category: Food and Nutrition

Trophies and Rosettes: Five Awards of Excellence

1. See 4-H Show Requirements on pages 1-4. Premiums—see page 4.
2. **Check-in projects** with the superintendent on **Wednesday, July 31 from 4-6 p.m.**, judging until complete. The superintendent will direct you to the proper judge when it is your turn to be judged. Please see the **conference judging** section on pages 2-3.
3. **ALL Food Product Exhibits must be on white paper plates and placed in a zip-sealing clear plastic bag only.**
4. Exhibitors chosen to participate in the **Illinois State Fair**, Junior Division, are expected to prepare the same food product (same recipe) as exhibited at the Kendall County 4-H Show. Modifications can be made to the original county exhibit to 1) meet State Fair class requirements, or 2) incorporate suggested improvements made by the local judge, see 4-H page 4 for more information on State Fair.
5. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.
6. **Members may enter one exhibit for each of the options in either 4-H Cooking 101, 201, 301 or 401.** Entries may not be the same. Example: 4-H Cooking 101 cannot have 2 different kinds of cookies or 2 different kinds of coffee cakes. See #1 above regarding premium. If a member exhibits all 3 options for 4-H Cooking 101, they may be paid premiums for all 3 options.
7. ***Exhibitors should be aware that food items and paperplates may not be returned at the end of the fair for food safety reasons. Exhibitors will receive their ribbon and display at the release time.***

4-H COOKING 101

- *4-H COOKING 101: CEREAL MARSHMALLOW BARS - *Using recipes included in the project manual*, prepare an exhibit of 3 marshmallow bars. No icing should be on any products. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, complete the *What's on Your Plate? Activity* on pages 10-11 in the 4-H Cooking 101 project manual. Bring an 8 ½" x 11" document with printed pictures of your 3 or more plates (from the activity) and the answers to questions 1-7 to remain on display with your project. The words on the plates must be legible and clearly visible in the picture. Pictures, graphics or photos are acceptable. See #3 for display requirements.
- *4-H COOKING 101: COFFEECAKE - *Using recipes included in the project manual*, prepare an exhibit of ¼ of 8" square or round coffee cake. No icing should be on any products. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, complete the *What's on Your Plate? Activity* on pages 10-11 in the 4-H Cooking 101 project manual. Bring an 8 ½" x 11" document with printed pictures of your 3 or more plates (from the activity) and the answers to questions 1-7 to remain on display with your project. The words on the plates must be legible and clearly visible in the picture. Pictures, graphics or photos are acceptable. See #3 for display requirements.
- *4-H COOKING 101: COOKIES - *Using recipes included in the project manual*, prepare an exhibit of 3 cookies. No icing should be on any products. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, complete the *What's on Your Plate? Activity* on pages 10-11 in the 4-H Cooking 101 project manual. Bring an 8 ½" x 11" document with printed pictures of your 3 or more plates (from the activity) and the answers to questions 1-7 to remain on display with your project. The words on the plates must be legible and clearly visible in the picture. Pictures, graphics or photos are acceptable. See #3 for display requirements.

4-H COOKING 201

- *4-H COOKING 201: CHEESE MUFFINS - *Using recipes included in the project manual*, prepare an exhibit of 3 cheese muffins. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, complete *Experiment with Meal Planning Activity* on page 91 in the 4-H Cooking 201 project manual. Bring either page 91 with your completed answers or an 8 ½" x 11" document with the answers to remain on display with your project along with a picture of the meal you prepared. You do **not** need to complete the Challenge Yourself section on page 91. See #3 for display requirements.
- *4-H COOKING 201: SCONES - *Using recipes included in the project manual*, prepare an exhibit of 3 scones. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, complete *Experiment with Meal Planning Activity* on page 91 in the 4-H Cooking 201 project manual. Bring either page 91 with your completed answers or an 8 ½" x 11" document with the answers to remain on display with your project along with a picture of the meal you prepared. You do **not** need to complete the Challenge Yourself section on page 91. See #3 for display requirements.
- *4-H COOKING 201: NUT BREAD- *Using recipes included in the project manual*, prepare an exhibit of ½ loaf (9" x 5") of basic nut bread. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, complete *Experiment with Meal Planning Activity* on page 91 in the 4-H Cooking 201 project manual. Bring either page 91 with your completed answers or an 8 ½" x 11" document with the answers to remain on display with your project along with a picture of the meal you prepared. You do **not** need to complete the Challenge Yourself section on page 91. See #3 for display requirements.

4-H COOKING 301

- *4-H COOKING 301: DINNER ROLLS - *Using recipes included in the project manual*, prepare an exhibit of 3 dinner rolls. The yeast bread/roll dough may be prepared in a bread making machine; however prepared mixes are not permitted. If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag. *In addition to your food exhibit*, complete one of the six experiments: *Experiment with Flour* p. 33-34, *Experiment with Kneading* p. 35-36, *Experiment with Yeast* p. 37-38 or 39, *Experiment with Butter* p. 62-63 or *Experiment with Cheese* p. 104-105. Bring an 8 ½" x 11" document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project.
- *4-H COOKING 301: YEAST BREAD - *Using recipes included in the project manual*, prepare an exhibit of a loaf of yeast bread. The yeast bread/roll dough may be prepared in a bread making machine; however prepared mixes are not permitted. If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag. *In addition to your food exhibit*, complete one of the six experiments: *Experiment with Flour* p. 33-34, *Experiment with Kneading* p. 35-36, *Experiment with Yeast* p. 37-38 or 39, *Experiment with Butter* p. 62-63 or *Experiment with Cheese* p. 104-105. Bring an 8 ½" x 11" document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project.
- *4-H COOKING 301: TEA RING - *Using recipes included in the project manual*, prepare an exhibit of 1 tea ring. If icing is used on the tea ring or sweet rolls, the recipe for the icing must also come from the book. The yeast bread/roll dough may be prepared in a bread making machine; however prepared mixes are not permitted. If you make changes to the recipe, bring continued on next page...

a copy of the recipe with your changes. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag. *In addition to your food exhibit*, complete one of the six experiments: *Experiment with Flour* p. 33-34, *Experiment with Kneading* p. 35-36, *Experiment with Yeast* p. 37-38 or 39, *Experiment with Butter* p. 62-63 or *Experiment with Cheese* p. 104-105. Bring an 8 ½" x 11" document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project.

*4-H COOKING 301: SWEET ROLLS - *Using recipes included in the project manual*, prepare an exhibit of 3 sweet rolls. If icing is used on the tea ring or sweet rolls, the recipe for the icing must also come from the book. If you make changes to the recipe, bring a copy of the recipe with your changes. The yeast bread/roll dough may be prepared in a bread making machine; however prepared mixes are not permitted. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag. *In addition to your food exhibit*, complete one of the six experiments: *Experiment with Flour* p. 33-34, *Experiment with Kneading* p. 35-36, *Experiment with Yeast* p. 37-38 or 39, *Experiment with Butter* p. 62-63 or *Experiment with Cheese* p. 104-105. Bring an 8 ½" x 11" document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project.

*4-H COOKING 301: CAKE - *Using recipes included in the project manual*, prepare an exhibit of one layer of a Rich White Cake or Rich Chocolate Cake, top side up (**without frosting**). If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag. *In addition to your food exhibit*, complete one of the six experiments: *Experiment with Flour* p. 33-34, *Experiment with Kneading* p. 35-36, *Experiment with Yeast* p. 37-38 or 39, *Experiment with Butter* p. 62-63 or *Experiment with Cheese* p. 104-105. Bring an 8 ½" x 11" document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project.

4-H COOKING 401

*4-H COOKING 401: FOCACCIA BREAD - *Using recipes included in the project manual*, prepare an exhibit of ¼ of a 15" x 10" loaf of focaccia bread (do not include dipping oil). If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, pick one of the recipes from Cooking 401 that is not a choice for exhibit. Make the recipe and take a picture of the results. Bring an 8 ½" x 11" document with a printed picture of the food you made from the recipe and the answers to the following two questions: 1.) If you made this recipe again, what would you do differently? 2.) What did you learn that can help you in other ways besides preparing food? See #3 for display requirements.

*4-H COOKING 401: PIE SHELL - *Using recipes included in the project manual*, prepare an exhibit of 1 baked pie shell – traditional, oil, or whole wheat (no graham cracker). If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, pick one of the recipes from Cooking 401 that is not a choice for exhibit. Make the recipe and take a picture of the results. Bring an 8 ½" x 11" document with a printed picture of the food you made from the recipe and the answers to the following two questions: 1.) If you made this recipe again, what would you do differently? 2.) What did you learn that can help you in other ways besides preparing food? See #3 for display requirements.

*4-H COOKING 401: SPONGE CAKE - *Using recipes included in the project manual*, prepare an exhibit of ¼ Golden Sponge Cake, top side up, without frosting. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, pick one of the recipes from Cooking 401 that is not a choice for exhibit. Make the recipe and take a picture of the results. Bring a document with an 8 ½" x 11" printed picture of the food you made from the recipe and the answers to the following two questions: 1.) If you made this recipe again, what would you do differently? 2.) What did you learn that can help you in other ways besides preparing food? See #3 for display requirements.

*4-H COOKING 401: FRENCH BREAD - *Using recipes included in the project manual*, prepare an exhibit of ½ loaf French Bread. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, pick one of the recipes from Cooking 401 that is not a choice for exhibit. Make the recipe and take a picture of the results. Bring an 8 ½ x 11" document with a printed picture of the food you made from the recipe and the answers to the following two questions: 1.) If you made this recipe again, what would you do differently? 2.) What did you learn that can help you in other ways besides preparing food? See #3 for display requirements.

*FOOD SCIENCE 1-4: prepare a display, digital presentation, or poster on one of the food science experiments from the manual that you completed. Share 1) the food science question you investigated; 2) process used to conduct the experiment; 3) results and observations; 4) what you learned; and 5) how you have applied this information. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display during the exhibit period.

*FOOD PRESERVATION: Prepare an exhibit using ANY of the following food preservation methods: canning; freezing; drying; pickles/relishes; jams, jellies and preserves **OR** a combination of these (see Preservation Combination option below), excluding Freezing. **No freezer jam exhibits will be allowed for Freezing; Jams, Jellies, and Preserves; or for the Preservation Combination options.**

Canning – The exhibit should include two (2) different canned foods in appropriate jars for the products. Food may be fruit, vegetable, tomato product (i.e. salsa, juice, etc.).

Freezing – Prepare a nutrition display that illustrates a freezing principle (see # 3). *There is NOT a food exhibit option for this preservation method.*

Drying – Exhibit two (2) different dried foods packed in plastic food storage bags. Choose from fruit, vegetable, fruit leather, or meat jerky.

Pickles and Relishes – Exhibit two (2) pint jars of different recipes of pickles and/or relishes.

Jams, Jellies, and Preserves – Exhibit half-pint jars of two (2) different jams, jellies, or preserves.

Preservation Combination – Exhibit two (2) different preserved food products, excluding Freezing, in appropriate jars/package (drying). For example, exhibit one (1) jar of tomatoes (canning) and 1 half-pint of jelly (jams, jellies, and preserves).

All preserved products should be prepared and processed according to the current USDA/Extension information. USDA information on preserving food, including recipes, can be found at: www.homefoodpreservation.com or web.extension.illinois.edu/foodpreservation/ Recipes must be processed in a water-bath or pressure canner.

All food exhibits must be labeled with: 1) The name of the food; 2) The date preserved; 3) Appropriate method(s) of food preservation (For canned projects: boiling water bath or pressure canner; For drying projects: Specify equipment used (food dehydrator, oven, etc.))

Examples: Strawberry jam, boiling water bath. July 13, 2019.
Green beans, pressure canner. July 13, 2019.
Beef jerky, food dehydrator and oven. July 13, 2019.

All food preservation exhibits must be accompanied with the recipe(s) – typed or written, with the source+ of the recipe(s) listed. **+Required Recipes and Sources+ for Food Preservation Exhibits** – all food preservation recipes be from an approved source. Those sources are:

- +PUT IT UP! Food Preservation for Youth manuals
- +U.S. Department of Agriculture (USDA)
- +National Center for Home Food Preservation
- +Ball Canning
- +Mrs. Wages

DO NOT BRING RECIPES FROM: Magazine or newspaper clippings, Pinterest (unless it is from a source listed above), Grandma's or a recipe from a family member or friend without a source, Cookbooks (excluding the Ball, Kerr and Put It Up! book).

Canning Equipment Requirements: All canned products must be canned in clear, standard jars in good condition (no chips or cracks). Jars must be sealed using two-piece canning lids (flat lid and band). Must use a new, unused flat lid. Bands must not be rusty or severely worn.

*FOODS INNOVATION CLASS: (Open to youth enrolled in any Foods project) Demonstrate the skills and knowledge you have gained through the project. The exhibit may include, but isn't limited to, original recipes, results of experiments not in the foods project books, variations on recipes or experimenting with unique cooking or baking methods. Your work can be displayed by a food product, demonstrations, digital presentations, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. If you bring a food product, the food will NOT be tasted.

*FOODS NUTRITION READY4LIFE CHALLENGE: (Open to 11- to 18-year-olds enrolled in any Foods project.) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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*FOODS MAKER: Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.

Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and MUST be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device MUST be modified structurally or be reprogramed to perform a different function other than what it was designed to do)
- Exhibit MUST be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

HOME & FAMILY DIVISION

Check-in projects Tuesday, July 30, 4–6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDENT: Bonnie Ogle 630-897-5128

4-H Project Categories: Consumer Education, Exploratory, Health, Interior Design, Cloverbuds

Trophies and Rosettes: Three Awards of Excellence

1. See 4-H Show Requirements on pages 1-4. **Premiums—see page 4.**
2. **Check-in projects with the superintendent on Tuesday, July 30 from 4-6 p.m., judging until complete. Exhibitors will arrange their displays just prior to judging. Superintendents will direct you to the proper judge when it is your turn to be judged.** Please see the **conference judging** section on pages 2-3.
3. If display includes **any** liquid or spillable items, these items **MUST** be sealed (i.e. lids taped, bags taped or tied shut) so they cannot be opened while on exhibit. If necessary, sealing may be done after judging, 4-H member will supply tape or other sealing material.
4. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.
5. The displays should include a list of resources used.

EXPLORATORY (not eligible for State Fair)

COLLECTIBLES: (not eligible for State Fair) Bring your completed project book and your collection or examples of your collection (if it's too large to bring) with pictures of total collection, OR an exhibit or poster illustrating one feature of the project.

WELCOME TO 4-H: (not eligible for State Fair) Youth ages 8-10 may exhibit a display on one of the following topics from the project book:

- windowsill gardening;
- 4-H animals;
- 4-H family; **OR**
- coat of arms

CONSUMER EDUCATION

Displays could include a poster, binder/folder, or display board.

ENTREPRENEURSHIP BE THE E: (not eligible for state fair) Exhibit a binder portfolio or display that includes the results of at least two completed activities from each year exhibitor has been enrolled in the project. Completed activities from previous years should be included. Use of page protectors is recommended.

***MY FINANCIAL FUTURE 1 – BEGINNER:** Develop a Financial Planning portfolio which includes the items listed below. This project can be completed all in one year; or a member may take several years to explore each of the activities and develop a more detailed financial plan. The original OR photocopies of the completed activities from the project manual should be included in the portfolio. Each year enrolled in the project should build on previous year experiences.

- First Year – Complete a minimum of Activities 1-6 from the My Financial Future – Beginner project manual which includes: Who Needs This?; Let's get SMART; Bringing Home the Bacon; Managing Your Money Flow; My Money Personality; and Money Decisions.

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- Second Year and Beyond – Complete a minimum of Activities 7-11 from the My Financial Future – Beginner project manual which includes: Banking your \$\$\$\$; Charging it Up; Check it Out; Better than a Piggy Bank!; and My Work; My Future.
- *MY FINANCIAL FUTURE 2 – ADVANCED: Building on your previous work in My Financial Future – Beginner project, continue adding to your Financial Planning portfolio which includes the items listed below. Members are encouraged to spend more than one year involved in this project so they have time to thoroughly explore the learning modules and develop a greater understanding of financial literacy, planning for their future, and develop a comprehensive career and financial planning portfolio. The original OR photocopies of the completed activities from the project manual should be included in the portfolio. Each year enrolled in the project should build on previous year's learning experiences.
- First Year – Complete a minimum of two activities from Module 1: Earning Income and Career Planning and Module 2: Organizing Your Flow.
 - Second Year – Complete all activities not previously completed in Module 1: Earning Income and Career Planning and Module 2: Organizing Your Flow; AND a minimum of two the activities from Module 3: Working with Banks and Credit Unions: Bank on It and Module 4: Making Your \$ Work 4 U.
 - Third Year and Beyond – Complete all activities not previously completed in Module 3: Working with Banks and Credit Unions: Bank on It and Module 4: Making Your \$ Work 4 U; AND a minimum of two activities from Module 5: Credit and Consumer Breadcrumbs.
- *CONSUMER ED READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Consumer Education project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *CONSUMER ED MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

HEALTH

- *HEALTH 1: Select four First Aid Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a family first aid kit and be prepared to explain what each items is used for.
- *HEALTH 2: Select four Staying Healthy skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a "smarts" project as explained in the project manual.
- *HEALTH 3: Select four Keeping Fit Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a poster or display on one of the Keeping Fit Skills.
- *HEALTH INNOVATION CLASS: (Open to youth enrolled in Health 1, 2 or 3.) Demonstrate the skills and knowledge you have gained through the Health project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

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*HEALTH READY4LIFE CHALLENGE: (Open to 11- to 18-year-olds enrolled in any Health project.) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*HEALTH MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

INTERIOR DESIGN

*DESIGN DECISIONS, BEGINNING: Exhibit must have been created or redesigned by the exhibitor as part of their current Interior Design 4-H project. Exhibitors should be knowledgeable about various aspects of the project. May include items such as, but not limited to, comparison studies of different products or techniques; made accessories, wall-hangings, window coverings, or furniture items; refinished or redesigned furniture; or a plan to solve some type of interior design problem. Exhibit should be appropriate to the exhibitor's age, skills and ability in this project.

*DESIGN DECISIONS, INTERMEDIATE: Exhibit must have been created or redesigned by the exhibitor as part of their current Interior Design 4-H project. Exhibitors should be knowledgeable about various aspects of the project. Exhibits could include items such as, but not limited to, comparison studies of different products or techniques; made accessories, wall-hangings, window coverings, or furniture items; refinished or redesigned furniture; or a plan to solve some type of interior design problem. Exhibit should be appropriate to the exhibitor's age, skills and ability in this project.

*DESIGN DECISIONS, ADVANCED: Any exhibit must have been created or redesigned by the exhibitor as part of their current Interior Design 4-H project. Exhibitors should be knowledgeable about various aspects of the project. Exhibits could include items such as, but not limited to, comparison studies of different products or techniques; made accessories, wall-hangings, window coverings, or furniture items; refinished or redesigned furniture; or a plan to solve some type of interior design problem. Exhibit should be appropriate to the exhibitor's age, skills and ability in this project.

*INTERIOR DESIGN INNOVATION CLASS: (Open to youth who are enrolled in Interior Design.) Demonstrate the skills and knowledge you have gained through the Interior Design project. Your exhibit should not fit in the other exhibit options for this project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*INTERIOR DESIGN READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in the Interior Design project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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***INTERIOR DESIGN MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

4-H CLOVERBUDS

Sharing time on Wednesday, July 31, 3:30-4:30 p.m., in the Education Building

1. **After the display is setup, the 4-H Cloverbud leader should contact the 4-H office and prepare their members for the sharing time.** Leader and all 4-H Cloverbud members are encouraged to be present at the time of sharing. Parents should wait outside of the building until the sharing time is finished. Members should be prepared to discuss what they learned as well as what they have done in Cloverbuds this past year. Individual Cloverbuds should also be prepared to talk about their participation in the group display.
2. 4-H Cloverbuds is a *non-premium and non-competitive class. 4-H Cloverbud members who are active and members in good standing (see leader) will receive participation ribbons.*
4. All 4-H Cloverbud displays will be exhibited for the entire fair and then released Sunday at 5 p.m.
5. The 4-H Cloverbuds class is for youth, ages 5-7 as of September 1, 2018, enrolled in a Kendall County 4-H Cloverbud Group on or before April 1, 2019, to be eligible to participate in this division.
6. Cloverbuds cannot exhibit livestock or any other animals.
7. Exhibits will not be judged. The exhibits will be reviewed in consultation with the superintendent.

CLOVERBUDS: A Cloverbud group should prepare a display of one activity made around 4-H Cloverbud club meeting activity prepared as a group. A table area of approximately 4' x 2 ½' will be available for display. 4-H Cloverbud display suggestions may be found on Handout 14 of the 4-H Cloverbud training manual.

4-H NATURAL RESOURCES & ENVIRONMENT DIVISION

Check-in projects Tuesday, July 30, 4-6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDANT: Laura Burke 630-551-1517

4-H Project Categories: Natural Resources, Entomology, Forestry, Geology, Shooting Sports, Weather

Trophies and Rosettes: Three Awards of Excellence

1. See 4-H Show Requirements on pages 1-4. **Premiums—see page 4.**
2. **Check-in with the superintendent on Tuesday, July 30 from 4-6 p.m., with judging until complete, they will direct you to the proper judge when it is your turn to be judged.** See **conference judging** section on pages 2-3.
3. Incomplete Exhibits, according to class exhibit requirements, will be graded ONE rating lower.
4. Electricity and water are not available. NO live animals or reptiles are permitted in these exhibits.
5. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

NATURAL RESOURCES

***NATURAL RESOURCES 1:** Exhibit any item or display developed in the project book, *Step Into Nature*.

***NATURAL RESOURCES 2:** Exhibit any item or display developed in the project book, *Explore the Natural World*.

***NATURAL RESOURCES 3:** Exhibit any item or display developed in the project book, *Blaze the Trail*.

***OUTDOOR ADVENTURES 1, 2, 3:** Exhibit a display illustrating an activity completed from the project manual.

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- *SPORTSFISHING 1: Exhibit a product or display made to complete an activity in the *Take the Bait* project manual. This could include, but is not limited to, displays on: different types of fishing tackle, identifying different baits and their uses (no actual bait, please) or identifying the anatomy of a fish. **For safety reasons, lures must be placed in a plastic case.**
- *SPORTSFISHING 2: Exhibit a product or display made to complete an activity in the *Reel in the Fun* project manual. This could include, but is not limited to, displays on: different types of knots or rigs and their use; a collection of fishing lures, labeled with their use; or information on preparing and cooking fish (not recipes). **For safety reasons, lures must be placed in a plastic case.**
- *SPORTSFISHING 3: Exhibit a product or display made to complete an activity in the *Cast into the Future* project manual. This could include, but is not limited to displays on: making artificial flies and lures; researching effects of water temperature; sports fishing careers; or identifying insects that fish eat. **For safety reasons, lures must be placed in a plastic case.**
- *WILDLIFE 1: Exhibit any activity developed from the project manual. (Ex. Identify different wildlife habitats.) Within the exhibit, explain the importance of knowing the information shared.
- *WILDLIFE 2: Exhibit any activity developed from the project manual. (Ex. Create a display of the life history of an animal.) Within the exhibit, explain the importance of and concept behind the exhibit.
- *WILDLIFE 3: Exhibit any activity developed from the project manual. Be able to explain the importance of and concept behind the exhibit.
- *NATURAL RESOURCES/SPORTSFISHING/WILDLIFE INNOVATION CLASS: (Open to youth enrolled in any Natural Resource project.) Demonstrate the skills and knowledge you have gained through the project you have studied. Your exhibit should not fit in the other options for this project. This could be related to, but not limited to habitat construction, maintenance, water quality, fish biology, or involvement with citizen science efforts. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.
- *NATURAL RESOURCES READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Natural Resources project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *NATURAL RESOURCES MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
 - Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.
- EXPLORING YOUR ENVIRONMENT 1: (not eligible for state fair) Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of natural and/or manmade environments, how humans affect the environment, or how the environment affects our lives. Include your project manual that documents activity recordkeeping, your answers to activity questions, and details the exhibitor's thoughts and ideas.

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EXPLORING YOUR ENVIRONMENT 2: (not eligible for state fair) Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of one of the following: stewardship of natural resources, investigating greenhouse effects on living organisms, methods of reducing or managing waste in your home or community, or calculating your ecological footprint. Include your project manual that documents activity recordkeeping, your answers to activity questions, and details the exhibitor's thoughts and ideas.

ENTOMOLOGY GENERAL

Size and number of exhibit cases should relate appropriately to the number of insects being displayed for a specified class. Cases should be no deeper than 4". Rules for pinning and labeling insects are available from the Extension Office. Exhibitors should note that Entomology exhibits may be placed UPRIGHT for display.

*ENTOMOLOGY 1: Exhibit 15 or more species representing four or more orders. Collection must be accurately labeled.

Exhibitors must also include the Entomology 1 project manual, *Teaming with Insects 1*, with at least one completed activity for each year enrolled. The project manual must be attached to one of the exhibitor's cases. Member should be able to discuss skills learned.

*ENTOMOLOGY 2: Exhibit 30 or more species representing eight or more orders. Collection must be accurately labeled.

Exhibitors must also include the Entomology 2 project manual, *Teaming with Insects 2* with at least one completed activity for each year enrolled. The project manual must be attached to one of the exhibitor's cases. Member should be able to discuss skills learned.

*ENTOMOLOGY 3: Exhibit 60 or more species representing twelve or more orders. Collection must be accurately labeled.

Exhibitors must also include the Entomology 3 project manual, *Teaming with Insects 3*, with at least one completed activity for each year enrolled. The project manual must be attached to one of the exhibitor's cases. Member should be able to discuss skills learned.

*ENTOMOLOGY DISPLAY, OTHER: (Open to youth enrolled in Entomology 1, 2 or 3.) Exhibit any activity or display related to Entomology that does not fit into Entomology Classes 1, 2 or 3 above. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*ENTOMOLOGY READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Entomology project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*ENTOMOLOGY MAKER & BEEKEEPING MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

ENTOMOLOGY BEEKEEPING

Create an exhibit that shows the public what you learned in the beekeeping project this year. **Note:** No bee hives may be exhibited. (Honey moisture content will be measured.) Fill level: the honey should be filled to the jar shoulder, not over, nor under. Chunk honey should go in a wide-mouth jar, preferably one specially made for chunk honey (see beekeeping catalogs). Be careful to distinguish “chunk honey” (comb in jar) from “cut comb” (comb only in plastic box). *Honey exhibited (including chunk, cut comb, and sections) must be collected since the previous year fair.*

*BEEKEEPING 1: Exhibit an educational display for one (1) of the following:

- Flowers Used to Make Honey. Display pressed flowers from ten (10) different Illinois plants that bees use for making honey.
- Uses of Honey and Beeswax.
- Setting Up a Bee Hive.
- Safe Handling of Bees.
- Equipment needed by a Beekeeper.

*BEEKEEPING 2: Exhibit one (1) of the following:

- Extracted Honey: Three (3) 1# jars, shown in glass, screw-top jars holding 1 # of honey each.
- Chunk honey (comb in jar): Three (3) 1# jars (wide-mouth glass jars).
- Cut-comb honey: Three (3) 1# boxes (boxes are usually 4 ½" x 4 ½").
- Section honey: three (3) sections of comb honey (in basswood boxes or Ross rounds).
- Working with Honey Bees. Present a topic from your manual to teach fairgoers about working with honey bees. Use your knowledge and creativity to display this information on a poster or in a notebook.

*BEEKEEPING 3: Exhibit three (3) of the five (5) kinds of honey listed below (#1-5) or prepare an educational display about honey bees or beekeeping.

1. Extracted Honey: Three (3) 1# jars (glass)
2. Chunk Honey (comb in a jar): Three (3) 1# jars (wide-mouth glass)
3. Cut-comb Honey: Three (3) 1# boxes (boxes are usually 4 ½" x 4 ½" in size).
4. Comb Honey- 3 sections (honey built by bees in frames of wood commonly called “sections” (boxes are usually 4 ½" x 4 ½" in size)
5. Section honey: three (3) sections of comb honey (in basswood boxes or Ross rounds). **or**
6. Prepare an educational display about honey bees or beekeeping.

*ENTOMOLOGY BEEKEEPING READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Entomology project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*BEEKEEPING MAKER (Enter this separate category, see details in Entomology Maker above)

FORESTRY

*FORESTS OF FUN 1, 2, 3: Exhibit any product or display illustrating an activity from the book. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*FORESTRY READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Forestry project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*FORESTRY MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do.

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- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

GEOLOGY

Size and number of exhibit cases should relate appropriately to the number of specimens being displayed for a specified class. Specimens are not limited to Illinois locations. All levels of geology use the same manual, *Geology-Introduction to the Study of the Earth*.

- *PEBBLE PUPS 1: Display eight (8) to nineteen (19) rocks and mineral specimens with three (3) minerals in the collections.
Collection may include duplications that show variations. Label collection and note where found.
- *PEBBLE PUPS 2: Display at least 20, but no more than 29, rocks and mineral specimens with seven (7) minerals in the collections.
Collection may include duplications that show variations. Label collection and note where found.
- *ROCK HOUNDS 1: Display at least 30, but no more than 40, rocks and mineral specimens with 10 minerals in the collection.
Rocks should include at least three (3) igneous, two (2) metamorphic, and three (3) sedimentary groups. Label collection and note where found.
- *ROCK HOUNDS 2: Display no more than 50 specimens that have been selected to illustrate a specific theme of the exhibitor's choosing. Be creative. Sample categories could include (but are not limited to): industrial minerals and their uses; a specific rock group and the variety that occurs in that group, including some minerals that occur in that environment; select fossils traced through the geologic ages; minerals and their crystal habits; rocks and minerals used in the lapidary arts.
- *GEOLOGY INNOVATION CLASS: (Open to youth who are enrolled in Geology.) Demonstrate the skills and knowledge you have gained through the Geology project. Exhibit may be the result of knowledge gained from project manuals; independent study about Illinois rock(s) and mineral(s), interaction with geology professionals; and/or individual exploration in the area of geology. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.
- *GEOLOGY READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in the Geology project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *GEOLOGY MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
 - Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do)
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

SHOOTING SPORTS (not eligible for state fair)

Exhibitors must be a member of an approved 4-H Shooting Sports Club to exhibit. No live ammunition, actual firearms or parts of a firearm that could be reassembled should be included. Any manufactured part of a sporting arm may not be displayed. Human Silhouette targets will not be displayed. All exhibits should be posters suitable for display to the general public. Exhibits deemed to be inappropriate will not be displayed.

ARCHERY: Exhibit a poster depicting safe archery handling, range safety, the parts of the bow, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

AIR RIFLE: Exhibit a poster depicting safe firearm handling, range safety, the parts of the rifle, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

HUNTING & OUTDOOR SKILLS: Exhibit a poster related to something you learned in the Hunting & Outdoor Skills project.

SHOOTING SPORTS READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Shooting Sports project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*SHOOTING SPORTS MAKER: (eligible for State Fair) Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

WEATHER

*WEATHER AND CLIMATE SCIENCE 1, 2 or 3: Exhibit any product or display illustrating an activity from the book. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

*WEATHER READY4LIFE CHALLENGE: (Open to 11- to 18-year-olds enrolled in any Weather and Climate project.) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

*WEATHER MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.

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- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do.
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

4-H PHOTOGRAPHY DIVISION

Check-in projects Tuesday, July 30, 4–6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDENT: Cydney Olah 630-554-0688,

4-H Project Category: Photography

Trophies and Rosettes: Three Awards of Excellence



1. See 4-H Show Requirements on pages 1-4. **Premiums—see page 4.**
2. **Superintendents will direct you to the proper judge when it is your turn to be judged.** Please see the **conference judging** section on pages 2-3.
3. ALL photos in exhibits must have been taken by the exhibitor.
4. Framed pictures must have a wire hanger securely attached to back of frame. The hanging device must be sturdy enough to support the weight of the object. Pictures must be able to be hung on pegboard hooks. Saw tooth hangers, string and/or tape are not acceptable.
5. **No foam board allowed** as it is too thick for display clips.
6. *Photos may be taken with a camera, an electronic tablet (i.e. iPad), or a cell phone.*
7. *ALL photos (including Photo Editing exhibits) must be accompanied by details of the camera settings that include:*
 - a. Camera/device used
 - b. Aperture (F-stop)
 - c. Exposure time (shutter speed)
 - d. ISO (film/sensor sensitivity)
 - e. Lighting used (flash, artificial, sunlight, other) Photo editing software/application used (required for ALL edits and retouches except for cropping)
 - f. Photo editing software/application used (required for ALL edits and retouches except for cropping).
 - g. Filters used (lens filters and or digital/software filters). Members are allowed to shoot on a camera's automatic setting, but should be able to find the metadata information on the photo to discuss the information above.
8. *Images taken with devices that apply an automatic filter will not be eligible for award.*
9. *All exhibitors must include unframed (taped to the back of the framed exhibit or attached to the project booklet) un-edited versions of either the same subject or the examples of the same technique that the framed image represents. This will assist the judge in understanding the choices made by the photographer to build the exhibited composition.*
10. *The exhibition size requirements for all photographs will be:*
Minimum image size: 5x7, Maximum image size: 8x10, Maximum exhibit size (including frame): 18x20.
11. Photo/Model releases from individuals pictured in the exhibitor's photographs are required unless the photograph is of a group in a public place where identification would not be an issue. The release can be obtained at:
<https://4h.extension.illinois.edu/members/projects/photography>.
12. Member must securely attach the 4-H exhibit tag to the front side of the project.
13. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

***PHOTOGRAPHY 1: Exhibit one framed photo which demonstrates your understanding of a technique you learned from your Photography 1 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.**

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- *PHOTOGRAPHY 2: Exhibit one of the options: Exhibit one framed 8x10 close-up photograph using the skills learned on page 62-63 of the project manual titled "Bits and Pieces." No photo editing is allowed in this class except cropping and red eye removal; **OR** Exhibit one framed 8"x10" photo which demonstrate your understanding of a technique you learned from your Photography 2 project manual. No photo editing is allowed in this class except cropping and red eye removal. **Be prepared to show the page in the manual of the technique you are demonstrating.**
- *PHOTOGRAPHY 3: Exhibit one of the options: Exhibit one framed (see rule #4) 8" x 10" still-life photo that demonstrates good composition, including color, form, texture, lighting and depth of field. No photo editing is allowed in this class except cropping and red eye removal; **OR** Exhibit one framed (see rule #4) 8"x10" *photo* which demonstrate your understanding of a technique you learned from your Photography 3 project manual. No photo editing is allowed in this class except cropping and red eye removal. **Be prepared to show the page in the manual of the technique you are demonstrating.**
- *PHOTO EDITING: (Open to members in Photography 1, 2 and 3.) Exhibit one framed (see rule #4) 8" x 10" *photo* that has been altered using digital photo-editing techniques (beyond cropping and red-eye reduction). Include a print of the original photo(s), taped to the back of the photo frame. *Photos in which an automatic filter was applied at the time the photograph was taken will not be eligible for award.*
- *PHOTOGRAPHY INNOVATION CLASS: (Open to youth who are enrolled in Photography 1, 2 or 3.) Demonstrate the skills and knowledge you have gained through the Photography project. Your exhibit should not fit in the other exhibit options for this project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.
- *PHOTOGRAPHY READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Photography project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.
- *PHOTOGRAPHY MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:
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 - The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do)
 - Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
 - Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
 - All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.
- In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

4-H PLANTS & SOILS DIVISION

Check-in projects Wednesday, July 31, 4–6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDENTS:

Horticulture: Lynn Rott 815-826-1466; Tammy Brigel 630-554-8114

Floriculture: Katie Konop 630-553-7673

Field Crops: Len Fitzgerald 815-475-7338; Doug Fitzgerald 630-742-4699

4-H Project Categories: Crops, Floriculture, Horticulture, Plant & Soil Sciences

Trophies and Rosettes: Four Awards of Excellence

1. See 4-H Show Requirements on pages 1-4. **Premiums—see page 4.**
2. **Check-in projects with the superintendents on Wed., July 31 from 4-6 p.m., judging until complete.** Please see the **conference judging** section on pages 2-3. **Floriculture will be exhibited in the Education Building.**
3. Only one (1) entry per class number except Vegetable Plate class, where members may enter twice.
4. All exhibits displayed in this division must have been grown and cared for by the exhibitor as part of current 4-H project.
5. Any exhibit infested with insects will be removed from the exhibit area and will not be eligible for a blue award.
6. The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

CROPS

4-H Field Crop exhibits must be separate plants from Open Show exhibit, do not exhibit same plant for both.

***SOYBEANS:** Exhibit five (5) fresh plants (include root system that is washed), that are representative of member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. Include the member's crop records with the exhibit, such as the 4-H Crop record found online at @ 4-H.illinois.edu, an FFA crops record or similar information.

***CORN:** Exhibit two (2) fresh plants of field corn (include root system that is washed), that is representative of member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. Include the member's crop records with the exhibit, such as the 4-H Crop record found online at @ 4-H.illinois.edu, an FFA crops record or similar information. *Sweet corn & popcorn should be exhibited in Vegetable Gardening (Vegetable Display or Plate) unless being raised under a commercial contract by the exhibitor.*

***SMALL GRAINS:** Exhibit **one gallon** of current year's crop of oats, wheat, rye or barley that is representative of the member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. Include the member's crop records with the exhibit, such as the 4-H Crop record found online at @ 4-H.illinois.edu, an FFA crops record or similar information.

***CROPS INNOVATION CLASS:** (Open to youth are enrolled in Crops.) Demonstrate the skills and knowledge you have gained through the Crops project. This could be related to, but not limited to crop production, crop utilization or topics of interest to the member related to agronomy. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

***CROPS READY4LIFE CHALLENGE:** (Open to 11 to 18-year-olds enrolled in any Crops project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

***CROPS MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)

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- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

FLORICULTURE

FLORICULTURE A: (judged in the Education Building) Exhibit **any** of the following options in Floriculture A.

- ***FLORICULTURE A:** *Create a flower arrangement* - either a round arrangement or a bud vase. All arrangements should fit into a space no larger than 2'x2'. *No silk flowers are permitted.*
- ***FLORICULTURE A:** *Create a photo collage or a collection of pictures* of flowers that you have raised. Label your flowers by name and tell if you started with a seed, cutting or transplants. Mount pictures on a poster board or mount board no larger than 22"x30".
- ***FLORICULTURE A:** *Exhibit in one container, 3 stems of blooms* – each with attached foliage. Foliage that would go inside the container may be removed. All three blooms or stems to be the same variety, color, shape and size. Must have been grown from seed, young seedling plants, bulbs or rhizomes by exhibitor. (**NOTE:** Exhibitors choosing lilies should include no more than 2/3 of foliage for their exhibit.).

FLORICULTURE B: (judged in the Education Building) Exhibit **any** of the following options in Floriculture B.

- ***FLORICULTURE B:** *Create an artistic display of dried flowers* explaining how each was dried.
- ***FLORICULTURE B:** *Create a photo collage or collection* of pictures of plants from your theme garden. Label your plants by name and explain how the plants were chosen to fit the theme.

FLORICULTURE C: (judged in the Education Building) Exhibit **any** of the following options in Floriculture C.

- ***FLORICULTURE C:** *Create a terrarium.* Selected plants should be started by the exhibitor from cuttings or seeds or as purchased plugs. The terrarium must be cared for by the exhibitor for at least 5 months. Exhibitor should be able to explain the different plant, soil, and environmental needs and watering requirements of a closed system.
- ***FLORICULTURE C:** *Exhibit a plant that you propagated from cuttings;* layering or division or started from seed. Create a photo board showing the progression of growth. Tips for vegetative propagation of houseplants can be found at University of Illinois Extension houseplants, <http://urbanext.illinois.edu/houseplants/default.cfm>.

FLORICULTURE D: (judged in the Education Building) Exhibit **any** of the following options in Floriculture D.

- ***FLORICULTURE D:** *Create a centerpiece* around a theme such as a wedding, holiday, birthday, etc. no larger than 2'x2'. *No silk flowers are permitted.*

- ***FLORICULTURE D:** *Create an exhibit of forced bulbs* in a pot.

- ***FLORICULTURE DISPLAY:** (Open to youth enrolled in Floriculture A, B, C or D.) Present an exhibit of the member's choice that focuses on some aspect of floriculture which does not fit in the categories above. The exhibit may include, but isn't limited to, *dish gardens*, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

- ***FLORICULTURE READY4LIFE CHALLENGE:** (Open to 11 to 18-year-olds enrolled in any Floriculture project)
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

- ***FLORICULTURE MAKER:** Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.

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- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

PLANT AND SOIL SCIENCE (classes not eligible for state fair)

PLANTS & SOILS 1: Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of environmental and internal factors that affect plant growth. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

PLANTS & SOILS 2: Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of the composition of plants, the functions of individual plant parts, plant life cycles, and the many ways plants reproduce. Include your project journal that documents activity recordkeeping, answers activity questions, and details personal thoughts and ideas.

PLANTS & SOILS 3: Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of environmental and internal factors that affect plant growth. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

PLANTS & SOILS READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Plants & Soils project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

***PLANTS & SOILS MAKER:** (eligible for State Fair) Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project **MUST** abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogramed to perform a different function other than what it was designed to do)
- Exhibit **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also **HIGHLY** encouraged that exhibits use Open Source Software and/or Hardware in the build.

HORTICULTURE (Vegetable Gardening)

Classes open to youth in Vegetable Gardening A, B, C or D. Vegetables exhibited must have been grown by the exhibitor as part of their current gardening 4-H project. Exhibitors should be knowledgeable about various aspects of the vegetables, including but not limited to different varieties, soil testing, fertilizers used, etc. Vegetable exhibits should be prepared according to the Illinois Vegetable Garden Guide website: <http://web.extension.illinois.edu/vegguide/> . Waxes and oils may not be used on vegetables or fruits. **DO NOT** refrigerate or freeze any vegetables for exhibit. Vegetables or fruits will be judged on quality, uniformity, and attractiveness. Infestation of insects, see 4-H Page 42, #6.

***VEGETABLE DISPLAY: (Baskets are provided for use (county level) and must be used to set up display.)**

- This class is allowed a 2'6" x 2'6" space for display.
- Display must include 6 or more different kinds of vegetables. There may not be more than 2 different varieties of any vegetable. For example, red and white potatoes would be classified as two different varieties. Acorn squash and zucchini would be classified as two different vegetables.
- The number and type of vegetables used must conform to the Vegetable Plate/Basket List.
- Exhibitors must provide the name and variety of all vegetables used (i.e. Cabbage – Golden Acre; Cucumber, slicing – Straight Eight; Tomatoes, slicing – Rocky Top; Snap Beans – Contender, etc.).

***VEGETABLE PLATE: Exhibitors may enter twice in this class and show four different items from the Vegetable Plate/Basket List.**

- Each entry must include two single vegetable plates. Exhibitor will furnish the 9" disposable white paper plates.
- Number of vegetables on plates must conform to Vegetable Plate/Display List.
- Only one variety on each plate.
- An exhibitor cannot show two plates of the same type vegetable. (i.e. cannot exhibit red *and* white potatoes or zucchini *and* straight neck summer squash.)
- Exhibitor will receive one ribbon and premium for each pair of plates. Rating will be based on an overall average of the two plates.

VEGETABLE PLATE/DISPLAY LIST

When selecting vegetables for exhibition, keep in mind that the judge will evaluate them on the basis of cleanliness, uniformity, condition, quality, and trueness to variety. (*Lists are provided by UI Extension Horticulturists; Items are listed according to the correct definition of vegetables.*) If you have questions about this list, please call the Extension office at 630-553-5823.

Asparagus (5 spears)	Onions, large, dry (5)	Sweet Corn, in husks (5)
Beans, Lima (12 pods)	Onions, green or set (12)	Tomatoes, slicing (5)
Beets (5)	Parsnips (5)	Tomatoes, small fruited (12)
Broccoli (1 head)	Peas (12 pods)	Turnip (5)
Brussels Sprouts (12 sprouts)	Peppers, lg. fruited (bell/banana) (5)	Watermelon (1)
Cabbage (1 head)	Peppers, small fruited (chili/cherry) (12)	Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turk's Turban) (1)
Cauliflower (1 head)	Popcorn (5)	Beans, Snap, Green Pod or Golden Wax (12 pods)
Carrots (5)	Potatoes (any variety) (5)	Greens (collard, endive, escarole, kale, mustard, spinach, Swiss chard) (1 plant)
Cucumber, pickling or slicing (5)	Pumpkin (1)	Horseradish Root (1 marketable root specimen harvested this year)
Eggplant (1)	Rhubarb, trimmed stalks (3)	
Garlic (5)	Rutabaga (5)	
Kohlrabi (5)	Salsify (5)	
Lettuce (1 head or plant)	Squash, summer (any variety) (3)	
Muskmelon incl. Cantaloupe (1)		
Okra (12)		

***VEGETABLE GARDENING DISPLAY: (Open to youth enrolled in Vegetable Gardening A, B, C or D.)** Present an exhibit of the member's choice that focuses on some aspect of vegetable gardening which does not fit in the categories above. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

***VEGETABLE GARDENING READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Vegetable Gardening project)** Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

continued on next page...

*VEGETABLE GARDENING MAKER: Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

- Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two.
- The device must be something that can be used in everyday life by multiple people (a target audience), and MUST be manufactured/built by the exhibitor (If not fully manufactured by the exhibitor, the device MUST be modified structurally or be reprogramed to perform a different function other than what it was designed to do)
- Exhibit MUST be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.
- All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

4-H VISUAL ARTS DIVISION

Check-in projects Wednesday, July 31, 4–6 p.m., Smith 4-H Hall, judging until complete.

SUPERINTENDENTS: Carla Taylor 815-475-7388; Bev Popp 630-882-9977

4-H Project Category: Visual Arts Trophies and Rosettes: Eight Awards of Excellence

1. See 4-H Show Requirements on pages 1-4.
2. **Check-in projects with the superintendent on Wednesday, July 31 from 4-6 p.m., judging until complete. Knitting, Crocheting and Stitchery check-in is at 5:45 p.m., judging 6-7 p.m. The superintendent will direct you to the proper judge when it is your turn to be judged.** Please see the **conference judging** section on pages 2-3. (Please note: this process may take a long time, so be patient.)
3. **Member can exhibit up to five (5) items** in any combination of the classes listed. **Only one (1) item from each class will be accepted** (a metal etching, a vine wreath, etc.).
4. Members will be allowed to exhibit items only in the media areas entered in. If changed at the fair or after the sign-up deadline, project will be lowered one rating.
5. **Chalk/Carbon/Pigment** includes all painting, sketching, drawing, cartooning, printing etc.
6. **An original design is entirely the product of the mind of the worker. The design has not been worked before (to the knowledge of the worker) in any medium.** Workshop or class projects where everyone is making the same item, is NOT considered original. *This also applies for ideas found on a site such as Pinterest.* If you see something on Pinterest that you like, use the concept and create something different using the concept; however if it MUST NOT look exactly like something the judge can search for and find on Pinterest. The exhibit must combine parts of different patterns and/or ideas with the concepts of the member (pictures, photographs, images from the internet or a magazine), however changing the color or changing the size of the item or pattern used does NOT make it original. If you create a replica of what you see somewhere else, it is not your original design. If a photo, sketch, or other idea source was used, submit it with your entry, firmly attached to your exhibit. *Photos used as a source should be taken by the exhibitor.* Be prepared to explain how and where you got the idea for this project.
7. Articles exhibited must be an original design created by the exhibitor (except in heritage arts which may follow a pattern AND Fiber-Non Original Ages 8-10 ONLY). Copyrighted or trademarked designs are not acceptable, which means project is not original, and if entered, it will receive a participation ribbon and no premium money; this includes Team or School logos. Kits and preformed molds are not considered original and are not acceptable in any Visual Arts Class.
8. Articles exhibited are to be made by the exhibitor who is a participant in the 4-H Visual Arts project. Articles must have been made during the current 4-H year (i.e. 9/1/18-7/31/19). Exhibitors are encouraged to sign and date the project when it is made. All visual arts exhibits are evaluated using a visual arts rubric which takes into account correct use of design elements; craftsmanship; and creativity. See #'s 11 & 12 for properly preparing exhibits for showing.
9. Members wishing to exhibit quilts made from a pattern may enter it in Heritage Arts. **Quilts** exhibited in the Visual Arts – Heritage Arts area will be evaluated using a visual arts rubric. All work on the quilt MUST be completed by the 4-H member.
10. When trying to decide which class your project exhibit fits in, consider what part of it you want judged. For example, you create a greeting card. It has been made on special paper, cut with craft scissors, and you have decorated it with colored pencils. If you want the paper design judged, it would go under paper. If you want the artwork judged, it would go under chalk, carbon, or pigment.

11. All entries must be properly prepared for exhibit. Drawings and paintings **MUST** be matted and preferably framed under glass. (Exceptions: Oil and acrylic paintings do not require glass and are not required to be matted.) Water color, chalk, pen & ink, computer-generated art, etc. do require some protective covering. *Gallery frames are acceptable. Canvas paintings that continue "over the edges" are acceptable without frames; however, the piece must still be prepared for hanging. Matted pieces without frames are acceptable, however the piece must be prepared for hanging OR it must include a photo of the artwork being displayed in a non-hanging manner.*
12. All pictures must come equipped for hanging. Framed pictures should have a wire hanger securely attached across back of the frame. The hanging device must be sturdy enough to support the weight of the object. Exhibitor is encouraged to hang artwork a few days to make sure it is secure. Pictures must be able to be hung on peg board hooks; saw-tooth hangers do not work, also using string and/or tape is not acceptable. **Framed items NOT intended to be hung should be noted as such on the exhibit tag and a photo of the artwork being displayed should be included.** Exhibits which are NOT framed correctly and/or equipped to be hung correctly, will be lowered one rating. The exhibit may or may not be displayed for public viewing.

The following classes are for 4-H youth ages 8-18 years of age as of September 1 of the current 4-H year.

- * VISUAL ARTS FOOD DECORATING BEGINNING: Exhibit one of the following:
 - Exhibit four decorated cookies, using a minimum of four different techniques. Exhibit may use cookies OR cookie forms.
 - Exhibit four decorated cupcakes, using a minimum of four different techniques. Exhibit may use cupcakes OR cupcake forms.
 - Exhibit a single layer decorated cake, using a minimum of four different techniques. Exhibit may use cake OR cake form.
- * VISUAL ARTS FOOD DECORATING INTERMEDIATE: Exhibit one of the following:
 - Exhibit four decorated cookies, using a minimum of five Level 2 techniques. Exhibit may use cookies OR cookie forms.
 - Exhibit four decorated cupcakes, using a minimum of five Level 2 techniques. Exhibit may use cupcakes OR cupcake forms.
 - Exhibit a single layer or two-layer cakes, using a minimum of five Level 2 techniques. Exhibit may use cake OR cake form.
- * VISUAL ARTS FOOD DECORATING ADVANCED: Exhibit a decorated, stacked and/or tiered cake, using a minimum of four Level 3 techniques. Exhibit may use cake OR cake form.
- * VISUAL ARTS FOOD DECORATING MASTER: Exhibit to include a one-page written description of your project, including goals, plans, accomplishments, and evaluation of results. Include up to four pictures of your accomplishments **AND** exhibit an original design decorated cake using more than five techniques. Exhibit may use cake OR cake form.
- * VISUAL ARTS CHALK/CARBON/PIGMENT: Enter the division based on the type of material on which the art was created.
 - * DIVISION A: CANVAS, PAPER, GLASS: Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc. on canvas, paper, or glass. This would include all painting, sketching, drawing, cartooning, printing, etc. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for State Fair exhibit. Drawings and paintings should be matted or framed under glass. (Exceptions: Oil and acrylic paintings do not require glass and are not required to be matted.) Water color, chalk, pen & ink, computer-generated art, etc. do require some protective covering. Gallery frames are acceptable. Canvas paintings that continue "over the edges" are acceptable without frames; however, the piece must still be prepared for hanging. Matted pieces without frames are acceptable, however the piece must be prepared for hanging OR it must include a photo of the artwork being displayed in a non-hanging manner. There is no specific requirement for the type of mat used. See #'s 11 & 12 above for exhibit requirements.
 - * DIVISION B: WOOD, METAL, TEXTILES: Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc., on wood, metal, or textiles. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for exhibit. Any exhibits created as a piece of wall art must be prepared for hanging. See #'s 11 & 12 above for exhibit requirements.
- * VISUAL ARTS CLAY: Any original item made of clay; may be fired or unfired, hand formed or thrown on a wheel. Self-hardening clays are fine. Fire/oven-cured and cornstarch clay could be accepted. Items can include, but are not limited to, clay statues, bowls, jewelry, etc. **Pre-formed ceramics are NOT eligible for exhibit.**
- * VISUAL ARTS COMPUTER-GENERATED ART: Exhibit any original art created in any software package. Exhibit may **NOT** include scanned work, clip art, downloaded images from the internet, any imported image, or photographs. All pixels must be original. Photo mosaics are **NOT** allowed. Exhibitors in this class must be enrolled in Visual Arts; Computer project enrollment is not required. NOTE: Wood and metal exhibits created through the use of laser cutting programs/devices should be entered in this class. Plastic exhibits with an artistic focus created using a 3-D printer should be entered in this class. *If the art created is designed to hang, then the entry should have some protective covering, such as a glass frame, and prepared for hanging. If the art is something that has been created with a laser cutting program or device and is NOT designed to hang, it does not require protective covering nor does it need to be prepared to hang.*
- * VISUAL ARTS FIBER: Any original item made of fiber. Examples are: quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, wearable art, hooking, braiding, duct tape artistry and baskets. **Original** cross-stitched, knitted or crocheted items belong in this Fiber class. **Non-original** cross-stitched, knitted, crocheted or quilted items should be entered in Heritage Arts. Machine knitted items are NOT appropriate for this class.

- *VISUAL ARTS FIBER NON-ORIGINAL **AGES 8-10 ONLY**: Any non-original item made of fiber. Examples are fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, crocheting, knitting, weaving, hooking, and felting. Exhibitors may use a pattern and/or an idea generated from another source.
- *VISUAL ARTS GLASS/PLASTIC: Any original item made of glass or plastic. Possible items to exhibit include stained glass, etched glass (original design), mosaics made of glass, glass beading, plastic jewelry (friendly plastic). **Interlocking building block creations (i.e. LEGOS), glass/plastic beads, stepping-stones or wall hangings that include cement decorated with glass or plastic items are NOT suitable for this class.**
- *VISUAL ARTS HERITAGE ARTS: **Knitting, Crocheting and Stitchery check-in is at 5:45 p.m. and judging 6-7 p.m.** *Exhibit an item of **traditional** art learned from another person or from a pattern (NO KITS) may be entered in this class. Non-original cross-stitched, knitted and crocheted items by pattern fit in this class. ALL ORIGINAL cross-stitched, knitted and crocheted items should be exhibited in Fiber Arts; (machine knitted items ARE NOT acceptable for this class.) Other possibilities include: needlepoint, counted cross-stitch, crewel, embroidery, cut work, hardanger (embroidery openwork), macramé, baskets, candles, pysanki (decorated eggs), leather, quilts, baskets (made using a traditional pattern), traditional handmade dolls with handmade costumes, or candles. No machine quilting allowed in Heritage Arts. Exhibitors must also bring 1) the pattern or a copy of the pattern they used to create their traditional art; and 2) a description of the traditional origins of their art choice.*
- *VISUAL ARTS METAL: Any original item made of metal such as sculpture, tin punch, engraved metal and jewelry. **Items intended for industrial use, such as tools and/or shop items, are NOT eligible. Metal items that have been partially or totally created through the use of laser cutting programs/devices should be entered in Computer-Generated Art.**
- *VISUAL ARTS NATURE: Any original item made of natural material such as wreaths, cornhusk dolls, etc. Items should be made of natural materials (can be purchased). Securing elements, such as glue and wire, may be used in the inner construction as long as they do not detract from the overall “natural” appearance. Articles such as dried pressed flowers may be displayed under glass since it is necessary for protection/preservation of the natural materials. **Candles are not suitable entries. All baskets should be entered in Heritage Arts.**
- *VISUAL ARTS PAPER: Any original item made of paper. Examples could include origami, greeting cards, paper-cut designs, paper-maché, hand-made paper, paper collage, paper models of architecture, quilling, etc. Paper twist articles, made from directions in craft books and stores ARE NOT appropriate for this class. **Scrapbooks should be exhibited in Visual Arts Scrapbooking.**
- *VISUAL ARTS SCRAPBOOKING, BEGINNING: Exhibit one (1) album or notebook, either 8 ½”x11” or 12”x12”, with a front and back cover. The album/notebook must have a minimum of four (4) pages (front and back, 8 sides), exhibited in page protectors. “Embellishments” are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Beginners must use a minimum of four (4) embellishments and tell a story with pictures.
- *VISUAL ARTS SCRAPBOOKING, INTERMEDIATE: Exhibit one (1) album or notebook, either 8 ½”x11” or 12”x12”, with a front and back cover. The album/notebook must have a minimum of four (4) pages (front and back, 8 sides), exhibited in page protectors. “Embellishments” are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Intermediate level exhibitors must use a minimum of eight (8) embellishments and tell a story with pictures and journaling.
- *VISUAL ARTS SCRAPBOOKING ADVANCED: Exhibit one (1) album or notebook, either 8 ½”x11” or 12”x12”, with a front and back cover. The album/notebook must have a minimum of four (4) pages (front and back, 8 sides), exhibited in page protectors. “Embellishments” are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Advance level exhibitors must use a minimum of (12) embellishments and tell a compelling story with pictures, journaling, and other media.
- *VISUAL ARTS THREE-DIMENSIONAL DESIGN/MIXED MEDIA: Art pieces in this class must be comprised of at least three (3) different media. No one (1) medium can make up more than 40% of a piece. The piece should be free-standing (not meant to be hung) that is observable on at least three different sides. Originality and design are important concepts. Craft and preformed or assembled projects are not acceptable.
- *VISUAL ARTS WOOD: Any original item made of wood (wood carving, sculpture, collage, wood burning, etc.). Utilitarian wood items made from patterns or kits (e.g. outdoor or indoor furniture, shelves) should be entered in woodworking, not in visual arts. Popsicle stick crafts are not acceptable for State Fair entry. Wood items that have been partially or totally created through the use of laser cutting programs/devices should be entered in Computer-Generated Art. *All Visual Arts Wood exhibits MUST have an artistic element that the exhibitor can explain. Furniture built by the exhibitor aligns with the Woodworking project area – unless the element to be judged is wood carving or wood burning that is one element of the exhibit. Exhibits will be judged using a Visual Arts Rubric and not a woodworking construction rubric.*

*VISUAL ARTS READY4LIFE CHALLENGE: (Open to 11 to 18-year-olds enrolled in any Visual Arts project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.
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