2019

Kane County Fair
4-H Exhibit Requirements

July 18-21, 2019

Public Presentations, April 6
Dog Show, June 19
General Projects Check-In & Conference Judging, July 16
Livestock Check-In July 17
4-H Livestock Shows, July 18-20

Dear 4-H Families and Volunteers:

Welcome to the 2019 Kane County 4-H Fairbook! We hope that you like this format and find it easy to navigate. Please be patient as we continue to work on this site and make it user friendly.

The fairbook is designed for you to learn about the exhibit opportunities related to your 4-H project work. Completing activities in your project book may help you prepare or build needed skills for your 4-H fair exhibit; they may not actually prepare a 4-H fair exhibit. Enrolling in a 4-H project does not mean that you are signed up to participate in the fair. You must complete the 4-H Fair Registration Form to sign up to participate in the fair.

A couple of things for you to consider with this version of the 4-H Fairbook ….

- Projects are listed alphabetically rather than by curriculum area under *Animal and Livestock* and *General Projects.*

- Where changes were made from the 2018 version, you will find the wording in red. Please read these sections carefully.

- You will need to read the section related to General Rules and Information, as well as the Tentative Schedule of Events. If you have livestock and/or animals, be sure to read the additional rules for those exhibits and the health requirements for those exhibits from the Illinois Department of Agriculture. Additionally, you will need to read the sections that pertain to the exhibits you are bringing to the 4-H Shows at the Kane County Fair.

- For the 2019 Kane County 4-H Fair, all registrations will be completed at fairentry.com

- In some exhibit areas, there are additional forms needed to complete your registration for the fair. Those forms should be available on the website after April 1. They will be in the Program Forms & Download section.

- There will be no Open Shows at the 2019 Kane County Fair, please refer to the Kane County Fair Association website. It is http://www.kanecountyfair.com/

The 4-H Shows at the Kane County Fair offer wonderful opportunities for our 4-H members to grow and learn not only within their project areas, but also as a person. Judging opportunities such as this allow 4-H members to receive positive feedback, enhance and develop their communication skills, learn how to work with others, as well as increase their self-esteem.

We hope that you have a wonderful experience at the 2019 4-H Shows! If you have questions or need further information, please don't hesitate to contact your 4-H club leader, other 4-H families, or the 4-H staff at the Kane County Extension Office (630-584-6166).

Sincerely,

Doris Braddock   Deanna K. Roby
4-H Program Coordinator   Unit 5 County Director
dbraddoc@illinois.edu   roby@illinois.edu

A Special Thank You is Extended
to the 2019 4-H Fair Trophy Sponsors

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to the 2018 4-H Fair Trophy Sponsors

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Kane County:
535 S. Randall Road
St. Charles, IL 60174
Telephone: (630) 584-6166 Fax: (630) 584-4610
Office Hours: Monday-Friday, 8:30 a.m. – 4:30 p.m.
http://web.extension.illinois.edu/dkk/

4-H Youth Development Programs

4-H is the youth development program of University of Illinois Extension jointly conducted by the United States Department of Agriculture, land grant universities, and local groups.

A 4-H club is a group of five or more boys and girls who are learning leadership, citizenship and life skills while under the guidance of an adult volunteer who is screened and approved.

The 4-H program is open to any boy or girl between the ages of 8-18 as of September 1, of the current program year, regardless of race, color, sex, nationality or geographical residence.

University of Illinois Extension
Unit 5 – DuPage, Kane & Kendall Counties
Kane County Local Staff
Deanna Roby, County Director/Extension Educator, 4-H Youth Development
Doris Braddock, 4-H Program Coordinator
Donna Nuger, Extension Educator, 4-H Metro Youth Development
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Sarah Fellerer, Program Coordinator, Horticulture
Laura Barr, Extension Educator, Nutrition & Wellness
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Olivia Melgoza, SNAP-Ed Program
Lorena Reyes, SNAP-Ed Program
Lilly Aguero, SNAP-Ed Program
Julie Jarmusz, Office Support Associate
Nan Long, Office Support Assistant

4-H Fair Committee
Chairman –
Vice Chairman – Mary Coffey
Secretary – Rosemarie Krause

Chip Foster	Joan Horwitz
Bob Keck	Ed Krause
Dave Klussendorf	Madison Solomon

Kane County Fair, 4-H Show
General Rules and Regulations

1. Only those projects in which the 4-H member has enrolled in by Monday, April 1, can be exhibited. All exhibits must be completed **by the 4-H'er** during the current program year beginning September 1, 2018. (Refer to specific departments for livestock ownership dates). Unless otherwise noted, age of exhibitor is determined as of September 1 of the current 4-H year.

2. Entries are required for all 4-H classes. All entries must be made at FairEntry.com no later than **Monday, June 3 for Dogs/Small Pets,** and **Monday, June 10 for all other exhibits**.

3. Exhibitors are limited to one entry per class, except livestock market classes which are allowed two (2).

4. Youth must participate in a minimum of four 4-H meetings, tours, workshops and/or other 4-H activities in Kane County (or representing Kane County) to be considered a 4-H member in Kane County. Two of those activities must be club meetings; the other two are at the member choosing. Those who do not meet this requirement will not be eligible to take part in 4-H exhibitions, receive 4-H premiums or other 4-H awards and recognition that are available to 4-H members. Verification of completion of this requirement must be turned in to the Extension office by Monday, June 3 for Dogs and Small Pets and Monday, June 10, for all other exhibits. Youth at residential college/trade school may be exempt from this policy provided they present a grade report from the completed spring semester (of the current 4-H year) at their residential college/trade school.

5. The only project areas eligible for group displays are Leadership and Intercultural. For group displays, only those members pre-registered at FairEntry.com and present for conference judging are eligible to receive ribbons and premiums.

6. Exhibits will be judged against a set of standards for each project. **Judges' decisions are FINAL**. Ribbons will be awarded according to the following levels of achievement:
    Blue Award - Project meets the standards
    Red Award - Project needs improvement
    White Award - Project needs much improvement

7. Class Champions will be selected from exhibits in the BLUE AWARD group, if merited. Other Special Awards (unless noted otherwise) will be selected from Class Champion winners, if merited.

8. **4-H members are eligible for only one (1) premium per exhibit class. This includes livestock market classes.**

9. **Premiums will be figured after the fair and distributed only upon receipt of the Agriculture Premium Fund dollars from the Illinois Department of Agriculture.** The amount of premiums paid is determined by rating, number of exhibits, and the money allocated through the Agriculture Premium Fund from the Illinois Department of Agriculture. There is no guarantee as to the amount of premium money paid per exhibit. Premiums will be paid based on the X Factor – a blue ribbon is equal to 3 X, a red ribbon is equal to 2 X, and a white ribbon is equal to 1 X.

DISCLAIMER

The Illinois Department of Agriculture shall use its best efforts to secure sufficient appropriations to fund premiums. In any year for which the General Assembly of the State of Illinois fails to make an appropriation sufficient to pay such premiums, premium amounts may not be accurately

reflected in this Premium Book.

10. Conference judging is the method used to evaluate all non- livestock exhibits. For information on this method of judging, visit the following link: http://web.extension.illinois.edu/kane/4hfairbook/index.html Click on the Forms & Downloads button and look for the "Conference Judging" fact sheets.

11. 4-H'ers unable to participate in conference judging must notify the Extension Office in writing by July 1. When checking in the exhibit on July 16, written answers to the following questions should be provided:

      a. process followed in making the exhibit

      b. what you learned

      c. what you might do different next time

Written answers should be on a 4" x 6" note card or a piece of 8 ½" x 11" white paper and included with the exhibit.

12. If 4-H exhibits are checked in late or do not comply with the exhibit requirements, the standards have not been met, and the exhibit will be lowered one rating by the judges.

13. Display space is limited. Table displays (including science board displays) are limited to 2' wide x 15" deep unless otherwise stated in the class listings for that project. This pertains to exhibits to be placed on a table only; floor exhibits are not limited UNLESS INDICATED in a specific project section (i.e. Woodworking, Interior Design, and Visual Arts). The maximum poster size is 22" x 30", unless otherwise stated in the class listings for that project.

14. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. The Superintendents reserve the right to not display exhibits deemed inappropriate for youth audiences.

15. **All 4-H general exhibits will be released on Sunday, July 21, 6:00 to 7:00 p.m.** Please be prepared to present your 4-H member ID card when you pick up your exhibits. You may make arrangements for other parties to pick up your exhibits. *They must have your 4-H member ID card to get the exhibits.* University of Illinois Extension/4-H is not responsible for projects not picked up on Sunday. The Exhibit Hall will close at 5:00 pm to prepare for exhibit check-out.

16. All 4-H Animal exhibits will be released on Sunday, July 21, 6:00 p.m., after all auction animals are accounted for.

17. 4-H members whose exhibits are removed earlier than the scheduled release time will be banned from exhibiting in the following year's 4-H show in all project areas. For the 1st offense of removing exhibits early, exhibitors may petition the designated Fair Committee representatives for re-admittance to the following year's 4-H show. All petitions must be filed within 30 days of the occurrence. For the 2nd offense of this type, exhibitors will be banned from the 4-H show for three years and there will be no opportunity to petition the designated Fair Committee representatives.

18. If animal exhibits need to be released early due to the health and/or safety of the animals, exhibitors should *immediately* talk to a department superintendent regarding your concerns. If a superintendent is not available, contact the 4-H Fair Office. If neither of these parties is available, contact the veterinarian on call during the fair. The phone number for the veterinarian should be posted in the barn or it may also be found in the window of the 4-H Fair Office. Superintendents, the fair veterinarian, and/or the Extension Office staff have the final decision regarding whether or not an animal goes home.

19. Only animals entered as 4-H exhibits can be brought into the 4-H exhibit areas.

20. In regard to sales of 4-H animals, advertising will be allowed in designated areas only. Sale signs will not be allowed on cages, pens, or stalls. All sales excluding the Blue Ribbon Sale must be finalized off the fairgrounds. University of Illinois Extension/4-H takes no responsibility for any such sales.

21. A pre-determined number of non-livestock exhibits in the BLUE AWARD groups may be selected for display at the Illinois State Fair, if merited. These exhibits will be denoted as State Fair Delegates and State Fair Alternates. A list of eligible State Fair Delegates will be posted on the State Fair Delegate board located in the 4-H Exhibit Hall.

22. To participate as a State Fair Delegate or Alternate, 4-H members must be 8 years old by September 1, 2018. An individual 4-H'er may enter ONLY one exhibit class in the 4-H Exhibit Division. This includes exhibitors in Club/Group exhibits in Leadership and Intercultural, and any exhibit classes only offered on one day (i.e. Welding). Exhibitors will need to check- in at specific times on their county's assigned date. Exhibits are required to be judged on the assigned county day for judging. Presentation and conference judging times will be assigned at check- in. Exhibitors not reporting at their designated time will forfeit their time and may be placed at the end of the day's schedule. Kane County's assigned date is **Friday, August 9**. All Exhibitors selected in Filmmaking/Video must bring their video to be judged on a USB flash drive and saved in .MP4format. 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 judging.

General 4-H exhibitors also wishing to show in Jr. Livestock classes at the state fair, should realize that judging conflicts may exist and the member will need to make a decision on their priorities. The General 4-H Show will try to accommodate judging times; however judges will not be asked to stay longer than necessary if an exhibitor is not present during the assigned judging times. If an exhibitor misses the class judging entirely, a "No Show" will be registered for the exhibit and ribbons and premiums will not be awarded.

23. Those selected as State Fair Delegates and Alternates must sign the State Fair delegate and alternate board in the 4-H/Industrial Building by Saturday, July 20, 7:00 p.m. State Fair Delegates and Alternates must also pick up State Fair Delegate and Alternate information packet from the 4-H Information Booth. Registration paperwork for State Fair Delegates and Alternates must be completed and turned in to the Extension/4-H office by 4 p.m. on Wednesday, July 24. Eligible alternates will be called after that time. Alternate notification will be in order of selection.

24. Only 4-H members who exhibit will receive a free season pass to the Kane County Fair. The season pass only includes admission to the fairgrounds. It does not include rides, shows and special attractions.

25. All youth are expected to follow the Youth Behavior Guidelines as outlined below.
   ▪ Be courteous and respect others.
   ▪ Obey all rules established by the University of Illinois Extension 4-H Youth Development program and those of the local club/group and local and state laws.
   ▪ Treat all people fairly and animals humanely.
   ▪ Respect the property of others.
   ▪ Respect the authority of adult or youth volunteers, paid Extension staff, and others in leadership roles.
   ▪ Use appropriate language and wear acceptable clothing at 4-H activities and events.
   ▪ Show kindness to others and give assistance when needed.
   ▪ Be honest and honor commitments.
   ▪ Strive for personal best and keep trying to improve.
   ▪ Accept responsibility for personal choices.

26. All 4-H volunteers are expected to follow the Volunteer Behavior Guidelines as outlined below.
- Treat others in a courteous, respectful, manner demonstrating behaviors appropriate to a positive role model for youth.
- Obey the laws of the locality, state, nation, and University of Illinois Extension policies and procedures.
- Make all reasonable effort to assure that 4-H Youth Development programs are accessible to youth without regard to race, color, national origin, sex, religion, or disability.
- Recognize that verbal and/or physical abuse and/or neglect of youth are unacceptable in 4-H youth programs and report suspected abuse to the authorities.
- Do not participate in or condone neglect or abuse, which happens outside the program to 4-H youth participants and report suspected abuse to authorities.
- Treat animals humanely and teach 4-H youth to provide appropriate animal care.
- Operate motor vehicles (including machines or equipment) in a safe and reliable manner when working with 4-H youth and only with a valid operator's license and the legally required insurance coverage.
- Do not consume alcohol or illegal substances either while responsible for youth in 4-H activities or allow 4-H youth participants under supervision to do so.

27. Any changes or corrections to the 4-H rules/regulations and all additional fair information will be noted in the 4-H Weekly Updates and printed in the summer 4-H Newsletter.

28. Grievances should be put in writing on the Fair Grievance Form and be turned into the 4-H Fair Office within 24 hours of the incident. These matters will be shared with the 4-H Fair Committee and appropriate decisions will be made.

29. If you need a reasonable accommodation to participate in the 4-H portion of the Kane County Fair, please contact the Extension Educator, Deanna Roby, at the following address and/or phone number: University of Illinois Extension – Kane Unit, 535 S. Randall Road, St. Charles, 630/584-6166, at least two weeks prior to the event.

30. Interpretation of the rules and regulations is the responsibility of Extension Staff and/or the 4-H Fair Committee. Exhibitors and those seeking privileges must agree to abide by these interpretations.

Reminder: A member may participate in 4-H under a shared membership arrangement with another county or state, however, approval must be granted by both counties and/or states prior to enrollment.
Members may not benefit economically from participating in multiple 4-H shows, 4-H premiums, auctions, trophies, etc. Members may apply for 4-H awards or recognition in only one county or state.

Kane County Fair, 4-H Show

Additional Rules and Regulations for Animal/Livestock Exhibits

1. All entries must be exhibited in the Show Ring by owner, unless special permission is given by Superintendent of the department. Exceptions, when granted, are to be limited to the replacement also being a current 4-H member of Kane County.

2. No person except exhibitor will be permitted in the ring while animals are being shown.

3. Pens and stalls will be designated by Superintendent in each division.

4. Livestock will not be permitted to tie out until 8:00 p.m. each night.

5. All animals in breeding classes must be registered in exhibitor's name and correspond to 4-H rules on ownership. Registration papers for purebred animals must be presented at time of showing. No partnership will be honored in livestock exhibits. Dairy Lease papers must be completed and submitted to the Extension Office by **April 1** for a yearling or cow; **June 1** for a calf. Horses must be owned or leased by exhibitor – horse lease and/or ownership papers must be completed and submitted to the Extension Office by **Tuesday, May 1,** for all animals that an exhibitor may use.

6. A clean barn award will be given for club exhibits within the poultry, goat, sheep, beef, rabbit, swine, dairy, and horse departments. Competition between species barns will also be judged, and an award will be given for the best overall barn. Judging criteria is as follows: neatness of display, identification of 4-H club, conduct of members present in display area, decoration creativity, and marketing/promotion of species and/or products. Judges may visit the barns multiple times throughout fair week.

7. Animals to be exhibited must be accompanied by appropriate health papers. Health papers are to be checked in to respective superintendents prior to unloading or as designated by departments. For specific health requirements, see Exhibition Livestock Health Requirements.

8. Superintendents have the right to dismiss any animal not suitable for showing.

9. All livestock are to be washed on wash rack.

10. No animals are to be released from the Fairgrounds until all sale animals have been loaded.

11. University of Illinois Extension/4-H neither encourages nor welcomes participants to stay overnight at the fairgrounds either before or after the 4-H shows and events you participate in. Should you choose to engage in this activity against our express wishes, you will be doing so at your own risk.

12. Only those volunteers/superintendents who do not have children exhibiting or who are not selling show animals (per species/barn) will be allowed to read the scales.

13. Only animals entered as 4-H exhibits can be brought into the 4-H exhibit areas.

14. In regard to sales of 4-H animals, advertising will be allowed in designated areas only. Sale signs will not be allowed on cages, pens, or stalls. All sales excluding the Blue Ribbon Sale must be finalized off the fairgrounds. University of Illinois Extension/4-H takes no responsibility for any such sales.

15. QUALITY ASSURANCE & ETHICS (QA&E) TRAINING: Livestock exhibitors in the areas of beef, dairy, sheep, swine, goats, horses, poultry, rabbits, CATS and DOGS must complete this training in order to be qualified to exhibit in the 4-H shows at the 2019 Kane County Fair. 4-H members who have not previously taken this training must complete it online by **Saturday, April 1,** to remain enrolled in the project area. **4-H members not completing it will automatically be dropped from the project and will not be allowed to exhibit their project this year.** The website address is http://web.extension.illinois.edu/qaec/ This training only needs to be taken one time in your 4-H career.

16. All swine exhibitors must have completed the *Youth for the Quality Care of Animals* training (YQCA; found at http://yqca.org/) prior to exhibiting at the Kane County Fair. **YQCA certification must be completed by April 1**. 2019. All swine exhibitors must obtain a premise ID number in order to exhibit and sell their animals.

17. Members must certify that his/her project has been cared for and maintained by himself/herself and his/her immediate family during the required tenure of ownership and this project has not been cared for by a professional fitter or maintained at a professional fitter's facilities. Professional Fitters will not be allowed to participate in the 4-H Show. 4-Her's may be assisted by a family member (mother, father, brother, sister, grandparents or legal guardians) or by another 4-H member of Kane County. In the care of horse and pony projects, the standard shall be: no one other than the project member should fit or train the animals on the show grounds. Physical assistance with tack, equipment and appointments during the show by immediate family members or project leaders is acceptable.

18. In an effort to promote a professional appearance by 4-H members, we ask that youth members adhere to the following dress code when in the show ring. Deviations from the dress code will result in a request to change before you show your animal. The dress code is not subject to personal interpretation. The following is considered appropriate dress:

   ▪ Clothes must be clean and in good repair, free of holes, tears, and slashes.
   ▪ Clothes must be free from violent or drug-related material. This includes references to tobacco and alcohol.
   ▪ No shorts or cut-off jeans. Long pants or jeans would be the best choice.
   ▪ A short sleeve shirt preferably with a collar. 4-H t-shirts are acceptable. Shirts should not be see- through or low cut.
   ▪ Closed toed shoes must be worn.
   ▪ Dairy exhibitors should wear white jeans or pants in the show ring.
   ▪ Horse exhibitors should follow the dress code and safety gear requirements as stated in the horse & pony section.

   Please remember that you are representing 4-H. Your dress should reflect favorably on your family, 4-H club, and Kane County 4-H. In the show ring, you are exhibiting the project you have worked hard on. You do not want your attire to take away from your animal.

Kane County Fair
4-H Champion and Blue Ribbon Sale
Sunday, July 21, 2019 – 1:00 p.m.
Livestock Arena

The following rules will govern the Blue Ribbon Sale:

1. The sale is open only to 4-H members in Kane County. Member must accompany own animal into the sale ring.

2. No breeding stock will be sold.

3. Sign-up deadline times for all species is one-hour after the species show ends. For example, if the poultry show ends at 6 p.m., sign-up entry cards for poultry are due by 7 p.m. **4-H'er must indicate on sign-up card if they want show rights. NO EXCEPTIONS.** Check with your department superintendent for more details about the Blue Ribbon Sale or sale sign-up.

4. All animals will be sold on weigh-in weights. 5% commission will be charged per sale. Sellers buying back animals will pay the commission.

5. Sale order will be beef, dairy, swine, sheep, market goats, and miscellaneous. Sale order within species will be determined at weigh-in.

6. Following the sale, the 4-H member must be present to assist in loading his/her animal on the truck. No animals will be released until all sale animals have been accounted for and loaded.

7. All swine consigned to the sale must weigh 235 lbs. or not more than 285 lbs. Steers must weigh 1,050 lbs. or more and market heifers must weigh 950 lbs. or more. All sheep must weigh a minimum of 100 lbs. with the exception of the Cheviot breed which can weigh 90 lbs. minimum. All market goats participating in the sale must weigh at least 50 lbs. to sell.

8. **Sale animals being delivered to a location other than a terminal market or processor, must be accompanied by a destination agreement signed by buyer and seller.**

9. This will be the last year for resale hogs to be delivered to a terminal market and resold. Beginning in 2020, each 4-H family will be responsible for this as your swine animals will be going home with you.

10. The following animals must sell in the sale:
    a. Grand and Reserve Grand Champion Steer.
    b. Grand and Reserve Grand Champion Fat Heifer.
    c. Grand and Reserve Grand Champion Rate-of-Gain Steer.
    d. Supreme and Reserve Supreme Champion Milk Production.
    e. Grand and Reserve Grand Champion Barrow.
    f. Grand and Reserve Champion Pen of Market Barrows.
    g. Grand and Reserve Grand Champion Single Market Gilt.
    h. Grand and Reserve Grand Champion Pen of Market Gilts.
    i. Grand and Reserve Grand Champion Market Lamb.
    j. Grand and Reserve Grand Champion Pen of Market Lambs.
    k. Certificate for a dairy goat product from the Grand Champion Dairy Goat.
    l. Grand and Reserve Grand Champion Market Goat.
    m. Grand and Reserve Grand Champion Turkey, Duck & Goose.
    n. Grand Champion and Reserve Grand Champion Standard Cock, Hen, Cockerel, Pullet.
    o. Grand Champion and Reserve Grand Champion Bantam Cock, Hen, Cockerel, Pullet.
    p. Grand Champion and Reserve Grand Champion Meat Pen of Chickens.
    q. Grand Champion and Reserve Grand Champion Egg Production (i.e. One Dozen Eggs)
    r. Grand Champion Small Breed Rabbit.
    s. Grand Champion Large Breed Rabbit.
    t. Grand Champion Grade Rabbit.
    u. Grand Champion Rabbit Meat Pen.
    v. Grand Champion Fancy Three Rabbits.

11. In addition to any Grand or Reserve Champions listed in rule #10, 4-H exhibitors will be allowed to sell an additional two (2) blue ribbon animals from beef, sheep, swine, or market goat exhibits.

12. There will be **NO** substitutions for any Grand or Reserve Grand Champion Animals.

13. <u>DRESS CODE</u> - Blue Ribbon Sale Committee requests that 4-H members wear a collared shirt or 4-H Club shirt and no hats in the sale ring please.

14. In order to be eligible to sell your 4-H swine project at the Kane County Fair Blue Ribbon Sale, all 4-H members must be YQCA certified. In addition to the YQCA certification, all swine exhibitors must also have a Premise ID number.

15. As of the date of the sale 4-H members will be required to sign an affidavit that they "personally cared

for the animal, they did not tamper with it, and it does not contain residues." This applies to all animals. NO exceptions.

Additional Notes of Interest:
- **Sign-up for auction will be handled by superintendent of each division. The superintendent will make the announcement to its division about sale sign up time. All sale sign up must be completed within one hour after the end of the respective division show.**

- All sellers of Blue Ribbon Sale animals **MUST** be in attendance at the livestock sale area on Sunday morning, July 21 at 9:00 a.m. to help set-up for the sale. Following set-up, there will be a final mandatory roll call of auction participants at 10 a.m. Auction participants must also check out at the end of the sale with the designated volunteer(s).

- Any seller that reserves show rights on their animal(s) will be responsible to communicate regularly with the buyer of the animal(s) as to which shows the 4-H'er will attend with said animal(s). In addition, it is the seller's responsibility to make sure the animal(s) gets to the final destination of the buyer's choice. Auction checks will not be issued until the sale is completed and notification is given to the Blue Ribbon Sale Committee.

- University of Illinois Extension/4-H program and the Kane County Fair Association are not responsible for accidents.

- 4-H members are asked to please send a Thank You note to buyers.

- The Blue Ribbon Sale Committee reserves the right to interpret all rules of the Blue Ribbon Sale.

Blue Ribbon Sale Committee

Chair: Don Fidler
Vice Chair: Todd Sunderlage

Bill Collins	Todd Johnsen	Jacie Panek
Mark Einwich	Rebecca Krueger	Jaide Panek
Joe Fidler	Albert Lenkaitis, Sr.	John & Melanie Peters
Nick Hankes	Chris Lenz	Mike Thompson
Don & Kim Halverson	Phil LoBianco	
Buddy Haas	Tim & Sue Metz	
Stephen Haas	Mike Panek	

For Health Requirement Information:

Illinois Department of Agriculture Bureau of Animal Health and Welfare State Fairgrounds P.O. Box 19281 Springfield, IL 62794-9281

Phone (217) 782-4944

2019 Exhibition Livestock Health Requirements

County Fairs

GENERAL REQUIREMENTS

These Exhibition Health Requirements apply to all livestock present at the fair including those animals that are not entered in competitive events.

1. Exhibitors are required to familiarize themselves with all rules applicable to their exhibits.

   All out-of-state animals shall require an entry permit. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at 217/782- 4944. Permits may also be obtained online at: http://www.agr.state.il.us/AnimalHW/animalregistry/login.php

2. All animals, except as noted, shall be accompanied by a Certificate of Veterinary Inspection (CVI) which shows that the animal meets all health requirements for the State of Illinois. CVI's shall be made available to Bureau of Animal Health Personnel on request.

   CVI means a legible record made on an official form from the state of origin which has been issued, signed and dated by an accredited veterinarian and which shows the name and address of the animal's owner or exhibitor and the results of all required tests or vaccinations. A CVI shall list only one animal identification per line; shall be presented on the form on which it was initially issued; and shall not be corrected, changed or altered in any manner.

3. All animals shall be officially identified. The animal(s) official identification shall be recorded on the CVI.

4. If animals are from tuberculosis accredited, brucellosis certified, pseudorabies qualified, or brucellosis validated herds, the identifying herd number(s) along with the date of the last herd test(s) shall appear on the CVI.

5. CVI for out-of-state livestock shall be void thirty (30) days after issuance.

6. CVI for Illinois-origin livestock shall be void ninety (90) days after issuance.

7. All livestock shall be subject to examination upon entry to any Illinois fair or exhibition. Any animal

   showing evidence of infectious, contagious or communicable diseases shall be immediately withdrawn and held in quarantine at the owner's risk and expense until properly treated and recovered, or until the animal is released to return to the owner's premise.

   Any livestock infected with scabies, mange, active lesions of ringworm, soremouth, or multiple warts which are easily visible without close examination shall not be permitted to exhibit and are subject to quarantine or removal from the fairgrounds.

Sheep and goats with caseous lymphadenitis as evidenced by draining abscesses shall not be exhibited and are subject to immediate quarantine or removal from the fairgrounds.

8. Illinois Department of Agriculture personnel or designee may collect blood, tissue, milk or urine samples from any animal being exhibited and/or raced at any Illinois fair to test for the presence of illegal drugs or banned substances. New examination techniques, such as ultrasound, may also be used at anytime while the animals are on the grounds of any Illinois fair or exhibit.

   The Illinois Department of Agriculture or designee may collect urine, blood, tissue or other test samples from exhibition animals at the time of slaughter.

9. All exhibitors of animals at any Illinois fair or exhibition shall comply with the provisions of the Illinois Humane Care for Animals Act. If violations are observed, the animals(s) will be excused from exhibition and ordered removed from the grounds with all awards being forfeited.

   Any practice or deviation from normal, accepted care, including physical, medical or mechanical application, shall constitute a violation of show rules and may result in the animal(s) disqualification and removal from the fairgrounds.

10. Any Illinois cattle, bison, cervidae or goats being exhibited in non-accredited free states must be isolated from the remainder of the herd/flock upon return to Illinois and retested for tuberculosis 60-120 days post-entry.

Identification

CATTLE

Individual identification of each animal shall be either a fully healed and legible tattoo, approved official ear tag, registration number (can only be used if the tattoo is recorded on the registration certificate or for breeds where pictures are acceptable), or individual brands, if brand is recorded on the registration certificate.

Illinois Cattle

Brucellosis
   Illinois is a Bovine Brucellosis Class-Free State. Brucellosis testing is not required for Illinois cattle.

Tuberculosis
   Illinois is an Accredited Tuberculosis- Free State. Tuberculin testing is not required for Illinois cattle.

Please note: Illinois calves under 6 months of age, and Illinois steers are not required to have a Certificate of Veterinary Inspection.

Out-of-State-Cattle

All out-of-state cattle are to be accompanied by an entry permit. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at

217/782-4944. Permits may also be obtained online at:
http://www.agr.state.il.us/AnimalHW/animalregistry/login.php

Brucellosis

1. Female cattle six (6) months of age and older and bulls eighteen (18) months of age and older shall be negative to an official test for brucellosis within thirty (30) days prior to entry, unless exempt by one (1) of the following:
    A. Originate directly from a certified brucellosis-free herd.
    B. Official vaccinates of dairy breeds under twenty (20) months of age or official vaccinates of beef breeds under twenty-four (24) months of age.
    C. Animal originated from a "Class Free" state (if entire state is so classified)
    D. Steers and spayed heifers are not required to be tested for brucellosis.
2. The negative brucellosis test shall be conducted at a state or federal laboratory within 30 days prior to exhibition.

Tuberculosis

1. Accredited Tuberculosis Free States
    A. No tuberculin test required. All cattle, including steers, originating from an Accredited Tuberculosis Free State, may enter Illinois for exhibition when accompanied by a CVI issued by an accredited veterinarian within 30 days.
2. Non-Accredited Tuberculosis Free Areas or States (Not TB Free)
    A. Cattle must originate from a herd where a complete herd test was conducted within the past year.
    B. The individual animals entering Illinois must be negative to an additional tuberculin test conducted **within 30 days prior to exhibition**.
    C. Cattle that enter Illinois for exhibition and remain in Illinois (animal does not return to the state of origin within 30 days) must be isolated and retested for TB 60-120 days from the last official TB test date.

SWINE

Illinois Swine

Identification

1. Swine shall be identified by an official ear tag, tattoo or recognized breed ear notch.

2. Ear notch identification is acceptable for all barrows, crossbred gilts and breeding swine.
(Note: Ear notch identification of crossbred swine does not satisfy USDA identification requirements for interstate movement or official testing.)

Brucellosis
Brucellosis testing is not required for Illinois swine.

Pseudorabies
Pseudorabies testing is not required for Illinois swine.

Out-of-State Swine

All out-of-state swine are to be accompanied by an entry permit. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at

217/782-4944. Permits may also be obtained online at:
http://www.agr.state.il.us/AnimalHW/animalregistry/login.php

Identification
1. Individually identified by an official ear tag, tattoo or recognized breed ear notch.
2. Ear notch identification **is not** acceptable for crossbred animals.

Brucellosis
1. Breeding swine 4 months of age and older shall be negative to an official test for brucellosis within 30 days prior to exhibition unless exempt by one (1) of the following:
   A. Originate immediately and directly from a validated brucellosis-free herd.
   B. Originate directly from a validated brucellosis-free state.
2. Swine brucellosis tests for exhibition shall be conducted at a state or federal laboratory.

Pseudorabies
1. **Swine originating from a Pseudorabies Stage IV or V state are exempt from the pseudorabies testing requirement.**
2. Swine originating from a Pseudorabies Stage III state shall be negative to an official test for pseudorabies conducted within thirty (30) days prior to entry or originate immediately and directly from a qualified pseudorabies negative herd.
3. Swine originating from a Pseudorabies Stage I or II state shall be negative to an official test for pseudorabies conducted within the 10 days prior to entry.
4. Barrows and females in market classes must meet the same requirements as breeding swine.

Identification

SHEEP

Individual identification of each animal shall be by an ear tattoo or official metal or plastic tag. A microchip ID is acceptable if the owner provides the reader.

Ear tattoos may be used when a registration certificate, listing the tattoo number, accompanies the

animal.

When using ear tags, the tag must indicate the premises ID and state of origin. The tag number must be assigned by a state or APHIS representative and recorded in the Scrapie Record Database.

Market Lambs

All market lambs must be slick shorn (show ring ready) before weigh-in so that show lamb fungus can be identified.

Illinois Sheep

1. Sheep originating from a flock that has previously been classified as either an infected or source flock can be exhibited in Illinois upon the completion of an approved flock plan.
2. For any animal born after 1/1/2002, the CVI must include the flock of birth and the flock of origin, if different.

Out-of-State Sheep

All out-of-state sheep are to be accompanied by an entry permit. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at 217/782-4944. Permits may also be obtained online at: http://www.agr.state.il.us/AnimalHW/animalregistry/login.php

1. Sheep originating from a flock that has previously been classified as either an infected or source flock can be exhibited in Illinois upon the completion of an approved flock plan.
2. For any animal born after 1/1/2002, the CVI must include the flock of birth and the flock of origin, if different.

Identification

GOATS

Individual identification of each animal shall be by an ear tattoo or official metal or plastic tag. A microchip ID is acceptable if the owner provides the reader.

Tattoos may be used when a registration certificate, listing the tattoo number, accompanies the animal.

When using ear tags, the tag must indicate the premises ID and state of origin. The tag number must be assigned by a state or APHIS representative and recorded in the Scrapie Record Database.

Ears should be used for tattooing when possible. If there is no space in the ear, the flank or tail fold may be used.

Illinois Goats

1. Goats originating from a herd that has previously been classified as either an infected or source herd can be exhibited in Illinois upon the completion of an approved herd plan.

2. For any animal born after 1/1/2002, the CVI must include the flock of birth and the flock of origin, if different.

Out-of-State Goats

All out-of-state goats are to be accompanied by an entry permit. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at 217/782-4944. Permits may also be obtained online at: http://www.agr.state.il.us/AnimalHW/animalregistry/login.php

1. Goats originating from a herd that has previously been classified as either an infected or source herd can be exhibited in Illinois upon the completion of an approved herd plan.
2. Tuberculosis- Goats from areas or states that are not Accredited Bovine Tuberculosis Free, must be accompanied by a CVI indicating that the goats originated from a herd where a complete negative herd test has been conducted within the past twelve (12) months and the individual animals are negative to a tuberculin test conducted within thirty (30) days prior to entry. For any animal born after 1/1/2002, the CVI must include the flock of birth and the flock of origin, if different.

HORSES, PONIES, MULES AND OTHER EQUIDAE

Illinois Equine

1. All horses and other equidae, twelve (12) months of age and older attending an advertised equine event, shall be accompanied by a negative test for equine infectious anemia (EIA) conducted within the last twelve (12) months. A copy of this test shall accompany the animal.
2. AGID (Coggins) or ELISA tests are accepted.
3. An advertised equine event means a show, rodeo, sale, auction, exhibition, trail ride, or horse fair that is posted or media promoted.
4. A CVI is not required for Illinois equine.

Out-of-State Equine

All out-of-state equine are to be accompanied by an entry permit. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at 217/782-4944. Permits may also be obtained online at:
http://www.agr.state.il.us/AnimalHW/animalregistry/login.php

1. All horses and other equidae entering Illinois that are twelve (12) months of age or older, shall be accompanied by a negative test for equine infectious anemia (EIA) conducted within the last twelve (12) months. A copy of this test shall accompany the animal.
2. AGID (Coggins) or ELISA tests are accepted.
3. All horses and other equidae shall be accompanied by a CVI issued within thirty (30) days prior to entry.

POULTRY

1. All entries (except waterfowl, i.e. domesticated fowl that normally swim, such as ducks and geese) in a

show or exhibition shall have originated from a U.S. Pullorum-Typhoid Clean or equivalent hatchery or flock OR have a negative pullorum-typhoid test within 90 days prior to exhibition. Exhibitor shall show proper information as to name and address of owner or exhibitor, name and address of the authorized testing agent, date of the testing and the number, breed, and species of those tested.
2. Prior to being used to transport poultry to a show, all crates, boxes, containers and vehicles shall be thoroughly cleaned and disinfected.
3. Any poultry vaccinations must be performed at least 4 weeks prior to delivery to the show.
4. Upon admission to a show, all entries shall be examined by the official county fair veterinarian or qualified state personnel who shall also receive and examine all certificates necessary for admission of birds to a show. Birds not in show condition will be excused from exhibition and removed from the premises. Any fowl showing signs of illness during the fair will be removed from the exhibition grounds.
5. All out-of-state turkeys must originate from flocks that are officially classified as U.S. Mycoplasma Gallisepticum Clean in accordance with the provisions of the National Poultry Improvement Plan or be negative to a test for Mycoplasma gallisepticum within 30 days prior to entry.
6. A permit is also required for out-of-state poultry. A permit may be obtained by calling (217) 782-4944.

Please note: These poultry exhibition requirements do not apply to 4-H and FFA 1-day poultry shows where the entries are taken to the show and returned home the same day. However, a permit is required for out-of-state poultry.

CERVIDAE

(Deer, Elk, Reindeer, Caribou, Moose, Red Deer and other Related Species)

Identification

All animals shall be individually identified with an approved tag, microchip or tattoo. Elk are required to have two official/approved unique identifiers.

Illinois Cervidae

Chronic Wasting Disease

For cervidae changing ownership or moving within the State, the owner must obtain a permit issued by the Department prior to movement and the cervid must originate from a herd that is enrolled in the Certified Monitored Chronic Wasting Disease (CWD) Program or the Contained Monitored Chronic Wasting Disease Program. The permit shall be obtained no more than 72 hours in advance of the movement of the cervids by providing the following information:

        A) Name and complete mailing address of person exhibiting the cervids;
        B) Certified Monitored Chronic Wasting Disease or Contained Monitored Chronic Wasting Disease Herd number;
        C) Name and complete mailing address of location where the animals will be exhibited;
        D) Number of animals and unique identification of the animals.

Tuberculosis

Illinois is an Accredited Tuberculosis-Free State. Tuberculin test is not required for Illinois cervidae.

Out-of-State Cervidae

Chronic Wasting Disease

1. All cervidae entering Illinois must be in compliance with the Illinois Wildlife Code [520 ILCS 5]. For more information, contact the Illinois Department of Natural Resources at 217/782-6384.
2. All cervidae entering Illinois must be accompanied by a permit from the Department and a Certificate of Veterinary Inspection that:
    a. has been issued by an accredited veterinarian of the state of origin or a veterinarian in the employ of the United States Department of Agriculture;
    b. is approved by the Animal Health Official of the state of origin;
    c. shows that the cervidae are free from visible evidence of any contagious, infectious or communicable disease or exposure thereto, do not originate from a CWD endemic area (any county and surrounding counties where CWD has been diagnosed in the past five years);
    d. shows that the cervidae are not originating from a herd under quarantine for any contagious, infectious or communicable disease;
    e. shows that the animals originate from a herd that has been monitored for at least 5 years under a state-approved CWD certification program.

    3. A permit number can be obtained by calling (217) 782-4944. Applicant for permit shall furnish the following information to the Department:
        a. Name and post office mailing address of Illinois destination;
        b. Name and post office mailing address of the consignor and/or source herds;
        c. Name and post office mailing address of the herd veterinarian;
        d. Number and unique identification of cervidae in shipment.

Brucellosis
Cervidae six (6) months of age and older must have a negative brucellosis card or PCFIA test within sixty (60) days prior to entry.

Tuberculosis
1. Accredited Tuberculosis Free States
    All cervidae twelve (12) months of age and over shall be negative to two (2) single cervical test for bovine TB no less than ninety (90) days apart with the second test conducted within ninety
    (90) days prior to entry. These animals shall be isolated from all other members of the herd during the testing period unless they originate from an accredited, qualified or monitored herd.
        A. Cervidae from an accredited herd may be moved into Illinois without further TB testing provided that a certificate stating that such cervids originated from an accredited herd accompanies them.
        B. Cervidae originating from qualified or monitored herds may enter with a negative test within ninety (90) days prior to entry and a certificate stating that the animals originate from a monitored herd.

2. Non-Accredited Tuberculosis Free Areas or States (Not TB Free)
   A. All cervidae shall originate from a herd where a complete herd test was conducted within the past year.
   B. The individual animals entering Illinois must be negative to two (2) additional tuberculin tests conducted within 180 and 30 days prior to entry or exhibition.

RATITES
(Ostriches, Emus, Rheas, Cassowaries and Kiwis)

Illinois Ratites

There are no requirements governing the movement of ratites within Illinois.

Out-of-State Ratites

1. Must be accompanied by a CVI and permit number. Entry permits are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at 217/782-4944.
2. Individually identified by leg band or microchip.
3. Negative test for Avian Influenza within 10 days prior to entry.

PIGEONS

There are no requirements governing the movements of pigeons within or into Illinois.

RABBITS

There are no requirements governing the movements of rabbits within or into Illinois.

LLAMAS

There are no requirements governing the movement of llamas within Illinois. A permit and health certificate is required for out-of-state llamas. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8:00 AM to 4:30 PM, at (217) 782-4944.

Permits may also be obtained online at: http://www.agr.state.il.us/AnimalHW/animalregistry/login.php

Animal Projects by Exhibit Area

Judging - Wednesday, June 19

- **Dogs**

Judging - July 18-21

- **Beef**

- **Dairy**
  - Dairy
  - Milking Derby

- **Goats**

- **Horse & Pony**

- **Poultry/Bantams**

- **Rabbits**

- **Sheep**

- **Swine**

4-H Dogs
Superintendent – Terri Vaira

Show Date – Wednesday, June 19
Check- in 5:30 – 6:00 pm
Judging – 6:15 pm
Site – 4-H/Industrial Building, Fairgrounds

Please Note: Entries for the dog show are due no later than 11:59 p.m. on **Monday, June 3,** via the *FairEntry online registration* system.

Dogs not being exhibited at the dog show are not allowed in the building during the show.

REGULATIONS:
1. All 4-H'ers and their dog(s) must attend at least six (6) weeks of dog obedience training during the current program year in order to participate in the 4-H Dog Show. Proof of attendance in a dog obedience training program must be presented to the Extension Office by Monday, June3. Exhibitors participating ONLY in the dog care classes are exempt from this rule.

2. Dogs do not have to be AKC registered to show in the obedience show.

3. To participate in the 4-H dog show, exhibitors must provide Superintendents with verification of current rabies vaccination. Verification MUST accompany dog to show and be presented at check- in.
Name of dog being exhibited must match the name on the proof of vaccination. Rabies tags are NOT sufficient verification.

4. Female dogs in season and uncontrolled dogs will be excused from the show at the discretion of the Superintendents.

5. Members may enter a maximum of two dogs if shown in different classes. Each dog may be shown in only one obedience class and one dog care class.

6. Dogs must be in place by 6:15 p.m. on judging date.

7. Prong collars, electronic collars, head and/or chest harnesses are not permitted. Collars must not have anything dangling from them, including id tags, rabies tags, and/or decorative tags.

8. Dogs must be on leash at all times when not being shown. Leash must be 5' or 6' leather, nylon or canvas. Flexi leads are not permitted in the show ring. Dogs must be under the exhibitor's supervision at all times.

9. It is highly recommended that exhibitors dress in a manner which displays respect for the judges and the sport. Sandals, flip-flops, jeans, shorts, revealing tops, and t-shirts with logos/sayings are not appropriate.

10. A dog cannot be shown in a class more than one year except in advanced novice, open and utility. Exhibitors may show for two years in advanced novice providing the dog does not have an AKC CDX or its equivalent in another venue, or has qualified for a leg on a CDX or its equivalent in another venue.
Open and utility exhibitors can show for three years in these classes.

11. If the dog has an obedience title (AKC or otherwise), the dog must be shown in the next level whether the 4-H handler obtained the title on the dog or not. If a dog has three qualifying scores for an AKC, AKC, CKC, or APDT obedience title six months prior to the 4-H Dog Show, it must be shown in the next highest 4-H class.

12. To be eligible for state show, a dog and handler team must have a qualifying score of 170 points or above for all obedience classes. Only the Grand Champion Junior Showmanship and Grand Champion Senior Showmanship advance to the State Contest. Reserve Grand Champions may advance only if the Grand Champion cannot attend.

Class: Beginner Novice I (for inexperienced handlers and inexperienced dogs). All exercises done on leash: Heel on leash & Figure 8, sit for examination, sit stay, recall. Leashes will be laid on floor for sit.

Class: Beginner Novice II (for experienced handlers with inexperienced dogs or experienced dogs with inexperienced handlers). All exercises done on leash: Heel on leash & Figure 8, sit for examination, sit stay, recall. Leashes will be laid on floor for sit.

Class: Preferred Novice: Heel on leash & Figure 8, stand for examination, heel free off leash, recall off leash, sit or down stay-walk around the ring, sit stay – get your leash (of leash)

Class: Novice: Heel on leash & Figure 8, stand for examination off leash, heel free off leash, recall off leash, long sit (1 minute), long down (3 minutes). Long sit and long down will be judged as a group.

Class: Graduate Novice: Heel on leash & Figure 8 off leash, drop on recall, dumbbell recall, recall over high jump, recall over broad jump, long down (3 minutes, handler out of sight). Long down will be judged as a group.

Class: Preferred Open: Heel on leash & Figure 8 off leash, drop on recall, retrieve on flat, retrieve over high jump, broad jump, stay sit.

Class: Open: Heel free & Figure 8, drop on recall, retrieve on flat, retrieve over high jump, broad jump, long sit (3 minutes, handler out of sight), long down (5 minutes, handler out of sight). Long sit and long down will be judged as a group.

Class: Graduate Open: Signal exercise, scent discrimination, directed retrieve, moving stand and exam, go out, directed jumping.

Class: Preferred Utility: Signal exercise, scent discrimination article 1&2, directed retrieve, moving stand & examination, directed jumping.

Class: Utility: Signal exercise, scent discrimination article 1&2, directed retrieve, moving stand & examination, directed jumping.

Class: Dog Care (youth ages 8-13 as of 9/1/18)
This class will be judged on handler's knowledge of dog's health, care, and grooming; the dog's handler's general appearance; and completeness of project book. Exhibitors in this class do not need to attend 6 weeks of dog obedience training. This class is not eligible for State Fair.

Class: Dog Care (youth ages 14-18 as of 9/1/18)
Exhibitors will be judged on dog's health, care and grooming. Project book must be presented at the time of judging. (Not eligible for State Fair). Exhibitors in this class do not need to attend 6 weeks of dog obedience training. This class is not eligible for State Fair.

Class: Junior Showmanship (youth ages 8-13 as of 9/1/18)
Exhibitors will be judged on handling skills, knowledge of breed standard (if purebred), dog show terminology, and elementary dog anatomy.

Class: Senior Showmanship (youth ages 14-18 as of 9/1/18)
Exhibitors will be judged on handling skills, knowledge of breed standard (if purebred), dog show terminology, and elementary dog anatomy. State Fair eligible

RALLY OBEDIENCE
New Classes
5. Dog/Handler team must receive a qualifying score of 70 out of 100 to compete at the state level.
6. The event will be timed. In event of a tie score, the fastest time will break the tie.
7. A Dog/Handler team must receive 3 qualifying scores before advancing to the next level.
8. Rally rings will be between 2000 x 3000 square feet with a minimum width of 30 feet.
9. Unless otherwise noted, handler may speak to the dog, pat their leg, or clap their hands to encourage.

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

Class: 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" sign. Performed on leash.

Class: 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" sign. Dog must jump once. Performed **off leash.**

Class: Rally Excellent
15-20 signs are used (not including start, finish, or call marker). Dog must jump twice. 2 or more of the sign 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.

AWARDS:

Grand Champion Beginner Novice I, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Beginner Novice I	Rosette
Grand Champion Beginner Novice II, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Beginner Novice II	Rosette
Grand Champion Pre-Novice, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Pre-Novice	Rosette
Grand Champion Novice, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Novice	Rosette
Grand Champion Graduate Novice, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Graduate Novice	Rosette
Grand Champion Pre-Open, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Pre-Open	Rosette
Grand Champion Open, Dogs	Picture Trophy/Rosette

Reserve Grand Champion Open	Rosette
Grand Champion Graduate Open, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Graduate Open	Rosette
Grand Champion Utility, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Utility	Rosette
Grand Champion Rally, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Rally	Rosette
Grand Champion Dog Care (ages 8-13)	Picture Trophy/Rosette
Reserve Grand Champion Dog Care (ages 8-13)	Rosette
Grand Champion Dog Care (ages 14-18)	Picture Trophy/Rosette
Reserve Grand Champion Dog Care (ages 14-18)	Rosette
Grand Champion Junior Showmanship, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Junior Showmanship, Dogs	Rosette
Grand Champion Senior Showmanship, Dogs	Picture Trophy/Rosette
Reserve Grand Champion Senior Showmanship, Dogs	Rosette

4-H Beef Cattle

Superintendents – Chip Foster
Assistant Superintendents – Ron Alms, Larry Breon, Ron Fidler, Marvin Straub

Superintendents – Beef Efficiency Contest
DeKalb/Kane Cattleman's Association

Animal/Rate-of-Gain Weigh- in – 9:00 a.m. on Thursday, July 18
Steer Show – Friday, July 19, 9:00 a.m.
Fat Classes – Friday, July 19
Breeding Classes – Friday, July 19
Showmanship Contest – Friday, July 19
Beef Efficiency Contest – Friday, July 19 (immediately following the Steer Show)

4-H Weigh-In & Tattoo Committee
DeKalb/Kane Cattleman's Association, Karen Sunderlage

NOTE: Be sure to check the 2019 Exhibition Livestock Health Requirements.
1. **Registration papers are required and must be presented at the time of showing for all purebred classes.**
2. Beef Efficiency animals must have initial weights from February 2, 2019, weigh- in.
3. All tattooed animals will be mouthed and any animals showing other than baby teeth will not be allowed to show.
4. All crossbreeds and other breeds will show in the crossbreed class.
5. Exotic breed heifers must be registered with the appropriate Exotic Breed Association. Exotic breeding heifers may not be shown in the fat heifer classes.
6. Artificial color added to the hair is not permitted. Animals may be given a white towel test as they enter the show ring. Judgment of superintendent is final.
7. **A 4-H member must be the owner of cattle exhibited at the fair.**

4-H BEEF CATTLE WILL BE SHOWN ACCORDING TO BREED

Class: Bull under one year   Subclasses: Angus, Hereford, Shorthorn
(after 6-30-18)

Class: Female, 2 years & over   Subclasses: Angus, Hereford, Shorthorn
(before 8-31-17)

Class: Sr. Yearling Heifer   Subclasses: Angus, Hereford, Shorthorn
(9/1/17-12/31/17)

Class: Jr. Yearling Heifer   Subclasses: Angus, Hereford, Shorthorn, Simmental, Exotic Breed
(1/1/18-4/30/18)

Class: Summer Yearling Heifer   Subclasses: Angus, Hereford, Shorthorn, Simmental, Exotic Breed
(5/1/18-8/31/18)

Class: Sr. Heifer Calf   Subclasses: Angus, Hereford, Shorthorn, Simmental, Exotic Breed
(9/1/18-12/31/18)

Class: Jr. Heifer Calf   Subclasses: Angus, Hereford, Shorthorn, Simmental, Exotic Breed
(after 1/1/19)

Class: Steers   Subclasses: Angus, Hereford, Shorthorn, Crossbreeds

Class: Grade Fat Heifer   Subclasses: Angus, Hereford, Shorthorn, Crossbreeds, Simmental, (born
on or after 1/1/18)   Exotic Breed

Class: 2 Steers Owned by 1 Exhibitor – any Breed

Class: Club Exhibit (This class is not premium eligible.)
Five animals owned by at least three exhibitors from the same club.

Class: Junior Showmanship (ages 8-14 as of 9/1/18)
Class Senior Showmanship (ages 14-18 as of 9/1/18)
Exhibitor must use their own animal for the showmanship contest. Exhibitor may win a division only one time. Jr. Division winner may compete in Sr. Division next year.

4-H BEEF EFFICIENCY CONTEST
LIVE JUDGING - FRIDAY, JULY 19, 2019
1. Members must have enrolled in the beef project and weighed their animals at the February 2 weigh-in.
2. The youth must keep records. These records must be submitted on **July 17** at the Kane County Extension Office.
3. The Beef Efficiency Contest will be held at the beginning of the regular 4-H Beef Show.
4. Judging of the Beef Efficiency Contest will be as follows:
    a. **Rate of Gain** - This class will be determined by the two official weigh-in dates. The first being at beef weigh-in and the second at the fairgrounds.
    b. **Records/Interview** - Participants will have an informal interview before the fair. The DeKalb-Kane Cattlemen's Association will select Judges.
    c. **Live Evaluation** - Animals will be shown at the fair and evaluated by a judge. The judging will be based upon how animals would perform on the rail if slaughtered.
    d. **Live Carcass Evaluation** – Animals will be evaluated based on carcass quality as determined by the judge at the fair.
Cattlemen's Association will provide the following premiums for each class:
    1st: $40; 2nd: $25; 3rd: $10
5. The individual who accumulates the most points from the Beef Efficiency Contest will receive the Overall Beef Efficiency Award.

Class: Beef Efficiency

AWARDS:

Grand Champion Steer	Picture Trophy/Rosette
Reserve Grand Champion Steer	Picture Trophy/Rosette
Grand Champion Female	Picture Trophy/Rosette
Reserve Grand Champion Female	Rosette
Best 4-H Club Exhibit	Certificate
2 Steers Owned by One Exhibitor	Picture Trophy/Rosette
Champion Angus Steer	Picture Trophy/Rosette
Reserve Champion Angus Steer	Rosette
Champion Angus Female	Picture Trophy/Rosette
Champion Hereford Steer	Picture Trophy/Rosette
Reserve Champion Hereford Steer	Rosette
Champion Hereford Female	Picture Trophy/Rosette
Champion Shorthorn Steer	Picture Trophy/Rosette
Reserve Champion Shorthorn Steer	Rosette
Sr. Showmanship	Picture Trophy/Rosette
Jr. Showmanship	Picture Trophy/Rosette
Champion Shorthorn Female	Picture Trophy/Rosette
Champion Crossbred Steer	Picture Trophy/Rosette
Reserve Champion Crossbred Steer	Rosette
Champion Simmental Female	Picture Trophy/Rosette
Champion Exotic Breed Female	Picture Trophy/Rosette
Grand Champion Grade Fat Heifer	Picture Trophy/Rosette
Reserve Grand Champion Grade Fat Heifer	Rosette
Grand Champion Beef Efficiency	Picture Trophy/Rosette
Grand Reserve Champion Beef Efficiency	Picture Trophy/Rosette

4-H Dairy Cattle
Superintendent – Dave Klussendorf
Assistant Superintendents – Dale Drendel, Kevin Kriegel, Albert Lenkaitis Sr., Katherine Thompson, Tim VanAcker

Check- in for animals will be Wednesday, July 17.
Exhibitors Meeting Wednesday, July 17, 8:00 p.m. (Show Ring)
Judging, Thursday, July18, 9:00 a.m. – ALL BREEDS

Regulations: Check Health Regulations in front of book.

1. All Dairy animals must be registered in their respective association. If any animal is double registered, exhibitor must choose in which breed he/she wishes to show.
2. Bull calves must be bred and owned by exhibitor and be a part of a dairy production project.
3. Project must be owned or leased and cared for by the 4-H member who shows it. Lease papers must be completed and submitted to the Extension Office by **April 1** (for yearling or cow) or **June 1** (if calf) for all animals that an exhibitor may use.

Class: Bull Calf   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
    (after 9/1/18)
Class: Heifer Jr. Calf   Subclasses: Holstein, All Other Breeds, Jersey, Red & White

(3/1/19-5/31/19)

Class: Heifer Intermediate   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(12/1/18-2/28/19)

Class: Heifer Sr. Calf   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(9/1/18-11/30/18)

Class: Heifer Summer Yearling   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(6/1/18-8/31/187)

Class: Heifer Jr. Yearling   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(3/1/18-5/31/18)

Class: Heifer Intermediate Yearling   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(12/1/17-2/28/18)

Class: Heifer Sr. Yearling   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(9/1/17-11/30/18)

Class: Jr. Herd, 3 Females   Subclasses: Holstein, All Other Breeds, Jersey, Red & White

Class: Cow, Jr. 2 years old   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(3/1/17-8/31/17)

Class: Cow, Sr. 2 years old   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(9/1/16-2/28/17)

Class: Cow, 3 years old   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(9/1/15-8/31/16)

Class: Cow, 4 years old   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(9/1/14-8/31/15)

Class: Cow, aged   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
(before 9/1/14)

Class: Best 3 Females owned by exhibitor   Subclasses: Holstein, All Other Breeds, Jersey, Red & White

**Class: Produce of Dam, 2 animals any age,
either sex; if bull, must be under 1 yr.,
owned by exhibitor**   Subclasses: Holstein, All Other Breeds, Jersey, Red & White

Class: Dam & Daughter   Subclasses: Holstein, All Other Breeds, Jersey, Red & White
Class: Supreme Champion   Subclasses: Holstein, All Other Breeds, Jersey, Red & White

Class: Club Exhibit (This class is not premium eligible.)
Five animals owned by at least three exhibitors from the same club.

Class: Jr. Division Fitting & Showmanship (ages 8-15 as of 9/1/18)
Class: Sr. Division Fitting & Showmanship (ages 16-18 as of 9/1/18)

AWARDS:

Jr. Dairy Fitting & Showmanship	Picture Trophy/Rosette
Sr. Dairy Fitting & Showmanship	Picture Trophy/Rosette
Grand-Champion Heifer of all Breeds	Picture Trophy/Rosette
Reserve Grand Champion Heifer of all Breeds	Rosette
Grand-Champion Holstein	Picture Trophy/Rosette
Reserve Grand Champion Holstein	Rosette
Sr. Champion Holstein	Rosette
Reserve Sr. Champion Holstein	Rosette
Jr. Champion Holstein	Rosette
Reserve Jr. Champion Holstein	Rosette

Grand-Champion Jersey	Picture Trophy/Rosette
Reserve Grand Champion Jersey	Rosette
Sr. Champion Jersey	Rosette
Reserve Sr. Champion Jersey	Rosette
Jr. Champion Jersey	Rosette
Reserve Jr. Champion Jersey	Rosette
Grand-Champion Other Breeds	Picture Trophy/Rosette
Reserve Grand Champion Other Breeds	Rosette
Sr. Champion Other Breeds	Rosette
Reserve Sr. Champion Other Breeds	Rosette
Jr. Champion Other Breeds	Rosette
Reserve Jr. Champion Other Breeds	Rosette
Grand Champion Red & White	Picture Trophy/Rosette
Reserve Grand Champion Red & White	Rosette
Sr. Champion Red & White	Rosette
Reserve Sr. Champion Red & White	Rosette
Jr. Champion Red & White	Rosette
Reserve Jr. Champion Red & White	Rosette
Grand Champion Heifer	Picture Trophy/ Rosette
Reserve Grand Champion Heifer	Rosette
4-H Dairy Club Exhibit	Certificate
Supreme Dairy Champion	Special Award
Reserve Supreme Dairy Champion	Picture Trophy/Rosette
Dairy Club Appearance Award	Cash Awards
	(1st, 2nd, & 3rd place)

4-H Milking Derby

Sponsored by Colonial Cafes
Superintendent – Dave Klussendorf
Assistant Superintendents – Carolyn Bollech, Leslee Kriegel, Katherine Thompson
Contest scheduled for Saturday, July 20, 5:30 p.m.

RULES:
1. Open to current 4-H and FFA members.
2. Contestants must have shown an exhibit at the 2019 Kane County Fair.
3. Contestants must sign up at the 4-H Fair Office by 12 noon, Friday, July 19. (Preference given to Dairy Exhibitors)
4. Six contestants per division maximum.
5. Contestants must furnish own pail.
6. Contestants will draw for cows at contest time.
7. Contest will run 2 minutes.
8. Contestants must be dressed neatly. White recommended.

AWARDS:
A Gift Certificate for a Kitchen Sink in each class.

CLASS: Jr. Girls – ages 8 through 14
CLASS: Sr. Girls – ages 15 and older
CLASS: Jr. Boys – ages 8 through 14

CLASS: Sr. Boys – ages 15 and older
(Classes may be combined.)

4-H Goats
(Dairy & Meat)
Superintendent – DiDi Dowling

Pen Setup – Sunday, July 14, 10:00 a.m.
Check-in – Wednesday, July 17, 4-8 pm
Judging – Saturday, July 20, 9 a.m.

Regulations:
1. All 4-H exhibitors are required to comply with the 4-H GENERAL RULES AND REGULATIONS, and the 4-H LIVESTOCK RULES AND REGULATIONS, along with any specific rules pertaining to each respective department, as printed in the Kane County Fairbook.
2. Health certificate must be presented to superintendent at check-in.   Health certificates must be completed prior to check-in. They should be in the family or herd name not in the 4-H club name. Health certificate must include birth date of animals.
3. For safety reasons goats with horns will not be permitted, unless they are registered female Boer goats being shown in the 4-H breeding meat goat classes. This applies for all goat classes – dairy, meat, and market.
4. For the market goat class, animals may be either a doe or wether (wethers are preferred). All market goats must be castrated and fully healed prior to their entry on the fairgrounds. It is suggested that market goats be born after January 1 of the current year and not be more than one year old.
5. A goat shown in breeding classes (dairy and breeding meat) cannot be shown in meat/market classes and vice-versa.
6. Animals exhibited in the market goat class are the only animals eligible for the Blue Ribbon Sale.
7. Purebred, crossbreed, and grade animals may be shown.
8. White clothing must be worn by all Dairy Goat exhibitors.
9. Members who wish to participate in Meat Goat classes must be enrolled in the Meat Goat project.
10. Breeding classes for meat and dairy are limited to **does only**.
11. Goats in the market goat class must weigh a minimum of 50 pounds to be eligible for the Blue Ribbon Sale.

4-H Dairy Goat Classes
Class: **Jr. Kid (under 6 months old)**
Class: **Sr. Kid (6 months to just under 1 year of age)**
Class: **Dry Yearling (1-2 years)**
Class: **Milking Yearling (1-2 years)**
Class: **Milking Doe (2-3 years)**
Class: **Milking Doe (over 3 years)**

4-H Breeding Meat Goat Classes
Class: **Jr. Kid (0-6 months old – born after 2/1/19)**
Class: **Sr. Kid (7-12 months – born 8/1/18-1/31/19)**
Class: **Doe (1 year and under 2 years – born 8/1/17-7/31/18)**
Class: **Doe (2 years and under 3 years – born 8/1/16-7/31/17)**
Class: **Doe (3 years and older – born before 7/31/16)**

4-H Market Goat Class
Class: **Market Goat**

Class: **Jr. Showmanship (ages 8-14 as of 9/1/18)**
Class: **Sr. Showmanship (ages 15-18 as of 9/1/18)**

AWARDS:

Grand Champion Dairy Goat	Picture Trophy/Rosette
Reserve Grand Champion Dairy Goat	Rosette
Grand Champion Meat Goat	Picture Trophy/Rosette
Reserve Grand Champion Meat Goat	Rosette
Grand Champion Market Goat	Picture Trophy/Rosette
Reserve Grand Champion Market Goat	Rosette
Jr. Showmanship	Picture Trophy/Rosette
Sr. Showmanship	Picture Trophy/Rosette

4-H Horses and Ponies

Superintendents – Pat Bunge, Deidre Cwian, Chloe Daufenbach, Melissa Daufenbach, Didi Dowling, Judy Dowling, Helen Feuerborn, Jim Feuerborn, Anne Herrmann, Kelly King, Sally King, Gia Nardini, Brandon Van de Water, Barb Witt, Robin Witt
Ring Announcers – Melissa Daufenbach & Judy Dowling

Sunday, July 14, 12:30 p.m. – Club set-up may begin.
Wednesday, July 17, 4-9 p.m. -- Check-in for animals.
Thursday, July 18 - All classes start at 8:30 a.m.
Friday, July 19 - All classes start at 8:30 a.m.
Saturday, July 20 – Dressage Classes (first test will be ridden at 8:30 a.m.)

Fair entry will be done via *4-H Online.* **In addition,** you must also **submit the following** to the Extension Office no later than **Friday, June 7:** a copy of a **current negative Coggins test** on **all horses** that may be used during the show; **pen and stall reservation form; livestock member certification statement;** and, an **assumption of risk and release form.**

Ponies will be measured Wednesday, July 17 from 5:30-6:30 p.m. If you have a State of Illinois Pony Card, you may use that. Otherwise, ponies must be measured.
     English Ponies - 14.2 hands and under
     Western Ponies - 14 hands and under

General Rules for the 2019 4-H Horse and Pony Show at the Kane County Fair
1. Project must be owned or leased and cared for by the 4-H member who shows it. Lease and/or ownership papers must be completed and submitted to the Extension Office by **Wednesday May 1,** for **all** animals that an exhibitor may use.
2. To be eligible to show one horse or one pony by two or more members of the same family, said family must only own one rideable horse or pony. Said horse or pony may not be entered in more than 7 classes per day with a total of 9 classes. (Excluding walk/trot classes).
3. Each exhibitor will be limited to two animals, or three animals if one is a production project. Mare and foal projects count as one. No stallions are allowed other than those born in the current year.
4. Each exhibitor will be eligible to enter no more than 7 classes per day, with a total of 9 classes, in any combination unless you are sharing a horse or pony. See rule #2. Dressage classes are included in the 9 class count.

5. At the discretion of the superintendent(s), small classes may be cancelled or combined; large classes may be split.

6. All animals, including those in production classes, must be clean, properly groomed and in good physical condition.

7. All exhibitors must be neatly and appropriately attired in either English or Western clothing. Chaps and spurs are optional in all Western classes. Half chaps are allowed with paddock shoes for English classes.

8. Helmets (ASI/SEI approved protective headgear) with safety harness BUCKLED will be required by all riders whenever mounted!

9. Any unsportsmanlike or unsafe conduct by 4-H members, parents, or leaders shall jeopardize a 4-H member's right to further exhibit in the show. Failure to comply with any of the rules may be sufficient cause for dismissal from the show.

10. Cell phones or other electronic devices may not be used by riders while they are mounted and riding.

11. Only caveson styled nosebands and standing style martingale tiedowns are permitted in English Over Fences. Caveson styled nosebands only and no standing style martingale tiedowns for English flat classes. No protective legware allowed in English classes. Nosebands, tiedowns, and protective boots are permitted in Gymkhana classes and Western tack required.

12. AGE IS FIGURED AS OF SEPTEMBER 1, 2018 for entry classes that have any age breakdown.

13. All horses and ponies must be saddled and bridled before being ridden in the exercise area. Riders must wear long pants and shoes or boots with a heel. NO HORSE TO BE RIDDEN OUTSIDE OF ARENA; HORSES BEING EXERCISED ARE TO BE MOUNTED IN ARENA ONLY.

14. Horses and ponies may only be exercised by a current Kane County 4-H member, this includes lunging. Exercising must be supervised by a superintendent, assistant superintendent, 4-H leader and/or a parent/legal guardian. Those not riding in a safe manner will be asked to leave the arena.

15. The decisions of the judges will be final.

16. To address the judge, 4-H members must go through a superintendent, and superintendent must remain present during conversation.

17. No riding of horses in barn aisles. No tying or grooming of horses in the aisles. No loose horses in the arena. No throwing water in the barns.

18. Lunging is allowed daily from 4:00 to 6:00 a.m. in the arena. It must be supervised by a parent, guardian, or 4-H leader. Lunge line should be in the hands of the 4-H member.

19. Only approved 4-H leaders, 4-H members and superintendents are allowed in the arena at any time.

20. Dressage Tests are to be ridden in an English saddle, with a plain/smooth snaffle with a caveson, dropped, figure 8 or flash noseband. Per USDF rules, incorrect tack will result in a white rating. Copies of the dressage test will be available after 5 p.m. on Friday, July 20.

* Limited to riders entering only in walk/trot, showmanship, and driving classes.

** Not eligible for any other jumping classes or Grand/Reserve Champion class.

Schooling over jumps will be in the arena on Thursday at 5 p.m. and Friday morning at sunrise. This time is reserved for jumping only and is warm up for participants entered in jumping classes. Jump schooling will be supervised. **The schedule for jump schooling will be as follows: Thursday evening we will start with low jumps and move to high and on Friday we will start with high jumps and move to low. Riders must be present for appropriate height. Jumps will not be reset if you miss your time.** Speed rider practice will be from 6 to 8 p.m. on Wednesday. Speed practice will be supervised. All other times will be for exercise and flat work. Stall assignments will be made by superintendents prior to the fair.

Bareback Schooling will be in the arena on Thursday during the Warm-Up Break for Western Riders and Friday during Warm-Up Break for English Riders.

THIS SHOW WILL BE CONDUCTED IN ACCORDANCE WITH 4-H HORSE AND PONY

RULES (found at: https://web.extension.illinois.edu/dkk/kane4h/3300.html) except for any restrictions specified above, AQHA RULES FOR WESTERN, USAEq RULES FOR ENGLISH/HUNTERS, AND USDF FOR DRESSAGE WHERE 4-H RULES DO NOT APPLY.

<div align="center">

THURSDAY CLASSES
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In Hand – English Showmanship:
Class: English Pony Showmanship – 14 & under
Class: English Pony Showmanship – 15-18
Class: English Horse Showmanship – 14 & under
Class: English Horse Showmanship – 15-18
  Grand Champion English Pony Showmanship
  Grand Champion English Horse Showmanship

Halter – Western Showmanship:
Class: Western Pony Showmanship – 14 & under
Class: Western Pony Showmanship – 15-18
Class: Western Horse Showmanship – 14 & under
Class: Western Horse Showmanship – 15-18
  Grand Champion Western Pony Showmanship
  Grand Champion Western Horse Showmanship

Class: Production Class (Animals exhibited in this class will be dismissed at the end of the show day on Friday. If they do not leave then, they must stay until check-out on Sunday.)

WARM-UP BREAK (for the following performance classes only)

Class: English or Western Walk/Trot Pleasure *
Class: English or Western Walk/Trot Equitation *
NQ Class: English or Western Walk/Trot Pattern (not a qualifier for Grand Champion Classes)*
   (Pattern to be posted morning of show)

Performance – Western:
Class: Western Pony Pleasure
Class: Western Pony Horsemanship
Class: Western Horse Pleasure – 14 & under
Class: Western Horse Horsemanship – 14 & under
Class: Western Horse Horsemanship – 15-18
Class: Western Horse Pleasure – 15-18
Class: Western Horse & Pony Bareback
  Grand Champion Western Pony Horsemanship
  Grand Champion Western Horse Horsemanship

WARM-UP BREAK (for speed riders only)

Class: Pony Barrel Race
Class: Horse Barrel Race
Class: Pony Flag Race
Class: Horse Flag Race
Class: Pony Pole Bending
Class: Horse Pole Bending
  Grand Champion Speed Pony
  Grand Champion Speed Horse

Class: Pleasure Driving – English or Western

FRIDAY CLASSES

Class: Beginning Pony Hunter over Fences (max 2'0") **
Class: Beginning Hunter Horse over Fences (max 2'0") **
Class: Intermediate Pony Hunter over Fences (max 2'3") **
Class: Intermediate Hunter Horse over Fences (max 2'3") **
Class: Pony Hunter over Fences (max 2'6")
Class: Pony Equitation over Fences (max 2'6")
        Grand Champion Pony Equitation over Fences

Class: Hunter over Fences – 14 & under (max 2'6")
Class: Horse Equitation over Fences – 14 & under (max 2'6")
Class: Hunter over Fences – 15-18 (max 2'9")
Class: Horse Equitation over Fences – 15-18 (max 2'9")
        Grand Champion Horse Equitation over Fences

WARM-UP BREAK (for English riders only)

NQ Class: Command (fun class only – not a qualifier for the Grand Champion classes. Open to both Western and English riders.) Judge's commands must be followed within three (3) strides of the command. Commands may include: side pass, pivot, and/or counter canter. The class is won by process of elimination.

Class: Pony Hunter Under Saddle – 18 & under
Class: Pony English Equitation under Saddle – 18 & under
Class: Horse Hunter Under Saddle – 14 & under
Class: Horse English Equitation under Saddle – 14 & under
Class: Horse Hunter Under Saddle – 15-18
Class: Horse English Equitation under Saddle – 15-18
Class: English Horse & Pony Bareback
        Grand Champion English Pony Equitation
        Grand Champion English Horse Equitation

SATURDAY CLASSES

Class: Dressage Training Level Test I – 14 & under
Class: Dressage Training Level Test II – 15-18
Class: Dressage NQ – Introductory Test C (fun class only – not a qualifier for the Grand Champion classes.)
Class: Dressage NQ – Western Dressage Basic Level 1 (fun class only – not a qualifier for the Grand Champion classes.)

AWARDS:

Grand Champion English Pony Showmanship	Trophy/Rosette
Reserve Grand Champion English Pony Showmanship	Rosette
Grand Champion Western Pony Showmanship	Trophy/Rosette
Reserve Grand Champion Western Pony Showmanship	Rosette
Grand Champion English Horse Showmanship	Trophy/Rosette

Reserve Grand Champion English Horse Showmanship	Rosette
Grand Champion Western Horse Showmanship	Trophy/Rosette
Reserve Grand Champion Western Horse Showmanship	Rosette
Grand Champion Equitation over Fences	Trophy/Rosette
Reserve Grand Champion Equitation over Fences	Rosette
Grand Champion Western Pony Horsemanship	Trophy/Rosette
Reserve Grand Champion Western Pony Horsemanship	Rosette
Grand Champion English Pony Equitation	Trophy/Rosette
Reserve Grand Champion English Pony Equitation	Rosette
Grand Champion Speed Pony	Trophy/Rosette
Reserve Grand Champion Speed Pony	Rosette
Grand Champion Speed Horse	Trophy/Rosette
Reserve Grand Champion Speed Horse	Rosette
Grand Champion Western Horse Horsemanship	Trophy/Rosette
Reserve Grand Champion Western Horse Horsemanship	Rosette
Grand Champion English Horse Equitation Rider	Trophy/Rosette
Reserve Grand Champion English Horse Equitation Rider	Rosette
Grand Champion English Pony Equitation over Fences	Trophy/Rosette
Reserve Grand Champion English Pony Equitation over Fences	Rosette
Grand Champion Dressage Rider	Trophy/Rosette
Reserve Grand Champion Dressage Rider	Rosette

4-H Poultry
Superintendent – Jen Lyons, Tim Lyons

Pen Set-up Saturday, July 13 at 9:00 a.m.
Check- in for animals will be 4-8 p.m. Wednesday, July 17.
Entries must be in place by Wednesday, July 17, 8 pm
Judging – Thursday, July 18, 3:00 p.m.

4-HERS ARE LIMITED TO NO MORE THAN 20 ENTRIES WITH A LIMIT OF ONE PER CLASS,
UNLESS OTHERWISE NOTED. POULTRY BREED SPECIFIC FORM WILL BE DUE ON
FRIDAY, JULY 1.

PLEASE NOTE: EXHIBITORS MUST PROVIDE THEIR OWN FEED.

1. All Illinois Department of Agriculture, Bureau of Animal Health rules must be followed in this division.

2. Testing for pullorum-typhoid must be done on an annual basis. All entries (except waterfowl) must have
originated from a U.S. Pullorum-Typhoid clean or equivalent hatchery or flock OR have a negative Pullorum-
Typhoid test within 90 days prior to exhibition. If birds come from a hatchery, a copy of the form indicating
they are Pullorum-Typhoid free must be presented. The form should also indicate the number of birds
purchased from that hatchery. For testing, please contact the Extension Office.

3. Cocks must be hatched prior to January 1 and Cockerels after January 1. Hens must be hatched prior to
January 1 and Pullets after January 1.

4. Unless otherwise specified only 1 bird allowed per class.

5. Switching classes among species will not be permitted after the poultry breed specific forms are turned in on July 1. For example, if you registered for poultry you cannot switch your entries to waterfowl or turkeys or miscellaneous poultry.

6. One dozen egg entry must be placed on display Thursday, July 18, 3 p.m. and removed after judging. Member must be in egg production class to show eggs.

7. All 4-H entries must be brought to superintendent before placing in the cage.

8. ALL FEEDING & WATERING IS THE RESPONSIBILITY OF THE 4-H OWNER AND MUST BE DONE BY 10:00 A.M. and 5:00 P.M. DAILY. ON REALLY HOT DAYS, IT IS SUGGESTED THAT YOU ALSO WATER AT 12 NOON AND 3:00 P.M.

9. 4-H'ers must bring their birds up to the judge on judging day for each class. All ducks, geese, turkeys, and miscellaneous bird exhibitors or assigned representatives must be present at time of judging. If not present, your birds will not be judged.

10. All water fowl must have shavings changed daily. 4-H'ers are required to bring container for food and water for all water fowl.

11. NO Adult will be allowed to talk to the judge, superintendent, or show clerk until judging is completed. See the ring person for assistance if needed. The ring person calls the classes and passes out ribbons. All adults must stay 6 ft. away from show ring.

12. We are not responsible for birds left in exhibit area after 6:00 p.m. Sunday.

13. It is the exhibitor's responsibility to know the sex and breed/type of their birds BEFORE bringing them to the fair. The following websites will help you determine the type of breed your birds are: www.feathersite.com and www.americanpoultryassociation.com

Class: American   Subclasses: Cock, Cockerel, Hen, Pullet
Class: Mediterranean   Subclasses: Cock, Cockerel, Hen, Pullet
Class: Asiatic   Subclasses: Cock, Cockerel, Hen, Pullet
Class: English   Subclasses: Cock, Cockerel, Hen, Pullet
Class: Continental   Subclasses: Cock, Cockerel, Hen, Pullet
Class: All Other Standards   Subclasses: Cock, Cockerel, Hen, Pullet

Class: Egg Production & One Dozen Eggs (class judged at time of Egg Production Birds)
      (Pen of 3, Hen or Pullet)
Class: Meat Production
      (Pen of 3 of same sex)

Class: Heavy Class* Duck   Subclasses: Old Male, Old Female, Young Male, Young Female
Class: Medium Class* Duck   Subclasses: Old Male, Old Female, Young Male, Young Female
Class: Light Class* Duck   Subclasses: Old Male, Old Female, Young Male, Young Female
Class: Bantam Class Duck   Subclasses: Old Male, Old Female, Young Male, Young Female
Class: Heavy Class Goose   Subclasses: Old Male, Old Female, Young Male, Young Female
Class: Medium Class Goose   Subclasses: Old Male, Old Female, Young Male, Young Female
Class: Light Class Goose   Subclasses: Old Male, Old Female, Young Male, Young Female
Class: Turkey   Subclasses: Old Male, Old Female, Young Male, Young Female
      *these breeds are defined by the poultry standard book

Class: Miscellaneous Fowl   Subclasses: Old Birds, Young Birds
Class: Pigeon**   Subclass: Pigeon
      **must be a pair—male &female

Class: Showmanship (1st thru 5th year)
Class: Showmanship (6th year & up)
Exhibitors may win a division only ONE time. Jr. Division winners may compete in Sr. Division next year.

4-H Bantams

Class: Rose Comb Clean Legged   Subclasses: Cock, Hen, Cockerel, Pullet
Class: Single Comb Clean Legged   Subclasses: Cock, Hen, Cockerel, Pullet
Class: Feather Legged   Subclasses: Cock, Hen, Cockerel, Pullet
Class: Game   Subclasses: Cock, Hen, Cockerel, Pullet
Class: Other Bantams   Subclasses: Cock, Hen, Cockerel, Pullet

The following must sell in the Blue Ribbon Sale Auction:
    Grand Champion & Reserve Grand Champion Turkey
    Grand Champion & Reserve Grand Champion Duck
    Grand Champion & Reserve Grand Champion Goose
    Grand Champion & Reserve Grand Champion Standard Cock, Hen, Cockerel, Pullet
    Grand Champion & Reserve Grand Champion Bantam Cock, Hen, Cockerel, Pullet
    Grand Champion & Reserve Grand Champion Meat Pen of Chickens

AWARDS:

Grand Champion Standard Cockerel	Picture Trophy/Rosette
Reserve Grand Champion Standard Cockerel	Rosette
Grand Champion Standard Cock	Picture Trophy/Rosette
Reserve Grand Champion Standard Cock	Rosette
Grand Champion Standard Pullet	Picture Trophy/Rosette
Reserve Grand Champion Standard Pullet	Rosette
Grand Champion Standard Hen	Picture Trophy/Rosette
Reserve Grand Champion Standard Hen	Rosette
Grand Champion Bantam Cockerel	Picture Trophy/Rosette
Reserve Grand Champion Bantam Cockerel	Rosette
Grand Champion Bantam Cock	Picture Trophy/Rosette
Reserve Grand Champion Bantam Cock	Rosette
Grand Champion Bantam Pullet	Picture Trophy/Rosette
Reserve Grand Champion Bantam Pullet	Rosette
Grand Champion Bantam Hen	Picture Trophy/Rosette
Reserve Grand Champion Bantam Hen	Rosette
Grand Champion Meat Production	Picture Trophy/Rosette
Reserve Grand Champion Meat Production	Rosette
Grand Champion Egg Production	Picture Trophy/Rosette
Reserve Grand Champion Egg Production	Rosette
Grand Champion Goose	Picture Trophy/Rosette
Reserve Grand Champion Goose	Rosette
Grand Champion Duck	Picture Trophy/Rosette
Reserve Grand Champion Duck	Rosette
Grand Champion Turkey	Picture Trophy/Rosette

Reserve Grand Champion Turkey	Rosette
Grand Champion Miscellaneous Fowl	Picture Trophy/Rosette
Reserve Grand Champion Miscellaneous Fowl	Rosette
Grand Champion Pigeon	Picture Trophy/Rosette
Reserve Grand Champion Pigeon	Rosette
Jr. Showmanship	Picture Trophy/Rosette
Sr. Showmanship	Picture Trophy/Rosette

4-H Rabbits

Superintendents – Victoria Goff
Assistant Superintendents –Jessica Goff, Linda Gustafson, Stephen Gustafson, Nicole Lind

Pen Set-up Saturday, July 13, 11:00 a.m. (pens will be assigned at this time) **Set up/animal placement may NOT begin until a superintendent is present.**

Check-In – Wednesday, July 17, 4-8 pm
Judging – Friday, July 20 at 5:00 p.m.

The same rabbit cannot be shown in the Small Pets class and the following rabbit classes.

REGULATIONS:

1. 4-H'ers MUST check in with Superintendent and fill out a cage card before placing rabbits in cages.

2. All entries must be identified by a permanent tattoo in the left ear that must be verified by a superintendent at check- in.

3. All ethics requirements must be met prior to show.

4. Each 4-H'er is limited to 9 class entries, plus showmanship. Premiums will be paid for only ONE entry per class.

5. All rabbits must be in the 4-H'ers possession on or before May 1, 2019.

6. The entry must be the personal project of the 4-H exhibitor and must be the property of a single owner. A meat pen or fancy three rabbits must be owned and cared for by a single owner.

7. All rabbits must be in place by 9 pm on Wednesday, July 17, 2019.

8. Only rabbits being exhibited can be brought into the rabbit building and exhibit areas.

9. Rabbits may not leave the building for the duration of fair unless authorized by a superintendent.

10. Rabbits shall not be loaded or removed from the rabbit building before 6:00 p.m., Sunday, July 21.

11. All feeding, watering, and cage cleaning is the responsibility of the 4-H'er and must be done daily.

12. Classes may be combined or further divided at the discretion of the superintendents.

13. Judge's decisions are final. Judge welcomes questions and comments after the show is finished.

14. No does with litters allowed in the exhibit building.

15. "For Sale" signs are not allowed on cages, pens, or stalls. Advertising is allowed in designated areas only. Rabbits that are sold cannot leave the barn until 6:00 pm, Sunday, July 21, with exception of Blue Ribbon Sale animals.

16. All sales must be finalized off of the fairgrounds. University of Illinois Extension, 4-H, and the Kane County Fair Association take no responsibility for any such sales.

17. If the 4-H'er is not able to be present to show their rabbit, it is the 4-H'ers responsibility to find another Kane County 4-H'er to show the rabbit for them.

18. Only 4-H'ers showing projects are allowed in judging area. Parents and others must remain in spectator seating.

<div align="center">

CLASS DEFINITIONS: as per ARBA Standard of Perfection:
</div>

Large Rabbit Breeds
> Senior Buck or Doe – over eight (8) months of age
> Intermediate Buck or Doe – between six (6) and eight (8) months of age
> Junior Buck or Doe – between three (3) and six (6) months of age

Small Rabbit Breeds:
> Senior Buck or Doe – over six (6) months of age
> Junior Buck or Doe – between three (3) and six (6) months of age

Grade Buck or Doe – These rabbits are the result of breeding two (2) different purebreds; they are not
Out of condition purebreds

Meat Pen – three (3) animals of the same litter not over 69 days of age or over 5 lbs. or under 3 1/2 lbs.

Fancy Three – three (3) animals from the same litter, 8 weeks to under 6 months of age, minimum weight of 1 lb. Judged on uniformity of the breed.

LARGE RABBIT BREEDS

Class:		Subclasses:	
Class:	**American**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Giant Angora**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Beveren**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Blanc de Hotot**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Californian**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Champagne D'argent**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Checkered Giant**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does

Class:	**American Chinchilla**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Giant Chinchilla**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Cinnamon**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Crème D'argent**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Flemish Giant**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**English Lop**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**French Lop**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**New Zealand**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Palomino**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Satin**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does
Class:	**Silver Fox**	Subclasses:	Sr. Bucks, Sr. Does, Intermediate Bucks, Intermediate Does, Jr. Bucks, Jr. Does

SMALL RABBIT BREEDS

Class:	**American Fuzzy Lop**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**American Sable**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**English Angora**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**French Angora**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Satin Angora**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Belgian Hare**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Britannia Petite**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Standard Chinchilla**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Dutch**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Dwarf Hotot**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**English Spot**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Florida White**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Harlequin**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Havana**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Himilayan**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Holland Lop**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Jersey Wooly**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Lilac**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Mini Lops**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Mini Rex**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Mini Satin**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Netherland Dwarf**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Polish**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Rex**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Rhinelander**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Silver**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Silver Marten**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe
Class:	**Tan**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe

Class:	**Thrianta**	Subclasses:	Sr. Buck, Sr. Doe, Jr. Buck, Jr. Doe

GRADES
Class:	**Sr. Buck**
Class:	**Sr. Doe**
Class:	**Jr. Buck**
Class:	**Jr. Doe**

Class:	**Meat Pen**
Class:	**Fancy Three**
Class:	**Jr. Showmanship (ages 8-13 as of 9/1/18)**
Class:	**Sr. Showmanship (ages 14-18 as of 9/1/18)**

The following must sell in the Blue Ribbon Sale Auction:

Grand Champion Large Breed Rabbit

Grand Champion Small Breed Rabbit

Grand Champion Grade Rabbit

Grand Champion Rabbit Meat Pen

Grand Champion Fancy Three Rabbits

AWARDS:

Grand Champion Large Breed	Picture Trophy/Rosette
Reserve Grand Champion Large Breed	Rosette
Grand Champion Small Breed	Picture Trophy/Rosette
Reserve Grand Champion Small Breed	Rosette
Grand Champion Grade	Picture Trophy/Rosette
Reserve Grand Champion Grade	Rosette
Grand Champion Meat Pen	Picture Trophy/Rosette
Reserve Grand Champion Meat Pen	Rosette
Grand Champion Fancy Three	Picture Trophy/Rosette
Reserve Grand Champion Fancy Three	Rosette
Grand Champion Showmanship	Rosette
Reserve Grand Champion Showmanship	Rosette

4-H Sheep

Superintendents – Buddy Haas, Denise Lenz
Pen Setup Time - Saturday, July 13, 9:30 a.m.
Check- in/weigh- in for animals will be from **4-8 p.m.** on Wednesday, July 17.
Judging, Thursday, July 18, 1:00 p.m.

1. Association ear tags must be in place.
2. Exhibitors are to keep their animals in show-day condition every day.
3. Old Flock: 1 ram, any age; 1 aged ewe; 1 yearling ewe; and 1 ewe lamb.
4. Pen of 3 lambs under 1 year, either sex.
5. Pen of 2 market lambs may be any breed including cross breeds, under 1 year.
6. If market animals are purchased, it must be before June 1, 2019.
7. Animals shown in purebred class will not be allowed to compete in the market lamb competition.
8. All market lambs must be SLICKSHORN prior to weigh in. Market lambs may be ewes or wethers. All wethers must be properly healed by day of show.

9. Grand Champion and Reserve Grand Champion Market Lamb and Pen of 2 Market Lambs must be sold at Blue Ribbon Sale.
10. Market lambs will be divided into 9 classes: Light (A, B, & C), Medium (D, E, & F), Heavy (G, H, & I) weights. All animals must be weighed in before the show. Each exhibitor may enter 9 animals, with a limit of 3 per weight class. **Only one premium per class: light A, light B, light C, etc.** Each exhibitor may enter 3 pair classes provided they do not fall into the same weight class. (light, medium, and heavy weight).
11. All sheep consigned to the Blue Ribbon Sale must weigh a minimum of 100 pounds.
12. Breeder Award: This will be judged on three animals – 1 yearling ewe and 2 lambs, all of which must have been born, bred and raised by the exhibitor. Registration papers will be checked upon entering the arena. After winning this award, exhibitor will be ineligible for the following three years.
13. Showmanship – Jr. Division ages 8-13 as of 9/1/18; Sr. Division ages 14-18 as of 9/1/18. Jr. Division winner can compete in Sr. Division next year.
14. Registration papers will be required on all purebred classes.
15. Tear down of pens will be Sunday, July 21 at 11:00 a.m. All exhibitors participating in this division are expected to help with the tear down process.
16. Any exhibitor attempting to interfere with the judge during their adjudication's will be promptly excluded from competition.
17. Any individual attempting to interfere with the judge during adjudication will be promptly escorted from the judging area.

Class:	Subclasses:	
Mature Ram	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Sr. Ram Lamb Over 1 year	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Jr. Ram Lamb Under 1 year	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Ewe 2 years or over	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Ewe 1 year–under 2 years	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Sr. Ewe Lamb	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Jr. Ewe Lamb	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Pair Ewe Lambs Under 1 year	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Mixed Pr. Lambs Under 1 year	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Pen – 3 Lambs Under 1 year, either sex	Subclasses:	Grade, Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale
Breeders Award	Subclasses:	Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot,

Class: Old Flock   Subclasses: Montadale
Columbia, Suffolk, Corriedale, Dorset, Hampshire, Oxford, Shropshire, Southdown, Border Chevriot, Montadale

Class: Single Market Lamb Lightweight A
Class: Single Market Lamb Lightweight B
Class: Single Market Lamb Lightweight C
Class: Single Market Lamb Medium-weight D
Class: Single Market Lamb Medium-weight E
Class: Single Market Lamb Medium-weight F
Class: Single Market Lamb Heavyweight G
Class: Single Market Lamb Heavyweight H
Class: Single Market Lamb Heavyweight I

Class: Pen of 2 Market Lambs Lightweight
Class: Pen of 2 Market Lambs Medium-weight
Class: Pen of 2 Market Lambs Heavyweight

Class: Club Exhibit (This class is not premium eligible.)
    Five animals owned by at least three exhibitors from the same club.

Class: Jr. Showmanship (youth ages 8-13 as of 9/1/18)
Class: Sr. Showmanship (youth ages 14-18 as of 9/1/18)
Exhibitor must use own animal for the showmanship classes. Jr. Division winner may compete in Sr. Division the following year.

AWARDS:

Grand Champion Ewe	Picture Trophy/Rosette
Reserve Grand Champion Ewe	Picture Trophy/Rosette
Grand Champion Ram	Picture Trophy/Rosette
Reserve Grand Champion Ram	Picture Trophy/Rosette
Best 4-H Club Sheep Exhibit	Certificate
Sr. Sheep Showmanship	Picture Trophy/Rosette
Jr. Sheep Showmanship	Picture Trophy/Rosette
Grand Champion Pen of Market Lambs	Picture Trophy/Rosette
Reserve Grand Champion Pen of Market Lambs	Picture Trophy/Rosette
Grand Champion Market Lamb	Picture Trophy/Rosette
Reserve Grand Champion Market Lamb	Picture Trophy/Rosette

4-H Swine
Superintendent – Rebecca Krueger

Pen Setup - Monday, July 15, 6:00 p.m.

Check- in/weigh- in for animals will be from 4-6 p.m. on Wednesday, July 17.
Judging - Thursday, July 18, 5 p.m.

REGULATIONS:
1. All 4-H exhibitors are required to comply with the 4-H Show GENERAL RULES AND REGULATIONS, and the 4-H Show LIVESTOCK RULES AND REGULATIONS, along with any specific rules pertaining to each respective department, as noted in the Kane County 4-H Fairbook.
2. All hogs must be farrowed on or after January 1, 2019, and must be in the possession of the exhibitor by June 1, 2019.
3. 4-H exhibitors can only exhibit hogs that have been nominated in their family's name. Nominations must be submitted to the Extension Office by June 10th.
4. Each 4-H exhibitor is allowed to bring up to 8 hogs.
5. All hogs are required to have health certificates. (Refer to 2019 EXHIBITION LIVESTOCK HEALTH REQUIREMENTS in the Kane County 4-H Fairbook).
6. All hogs must have ear notches which correspond to the hogs listed on the health certificates and the swine nomination form.
7. **NO** hogs will be allowed to unload until show personnel have checked health certificates and ear notches.
8. After hogs have been secured in their pens, the exhibitor must sign in at the weigh station. Exhibitors' hogs will be weighed according to the order they are listed on the sign- in sheet.
9. All hogs entered in the purebred classes must have registration papers and be registered in the exhibitor's name. Papers must be presented to show personnel at the time their hogs are weighed.
10. Hogs entered in the pen classes are not required to exhibit in single classes.
11. Hogs entered in single classes are eligible to exhibit in pen classes.
12. Pens are required to be hogs of the same breed or class number.
13. Hogs entered in market classes cannot be exhibited in production classes.
14. Hogs entered in production classes cannot be exhibited in market classes.
16. In order to exhibit, production hogs must weigh a minimum of 200 pounds, and market hogs must weigh a minimum of 220 pounds. Hogs weighing more than 299 pounds will not be allowed to exhibit.
17. All hogs consigned to the Blue Ribbon Sale must weigh a minimum of 235 pounds and not more than 285 pounds.
17. Loading of hogs sold at the Blue Ribbon Sale is the responsibility of the 4-H exhibitor. **THIS RULE IS MANDATORY.**
18. All exhibitors will use **WOOD SHAVINGS** for bedding and must have pens clean and ready for inspection by 10:00 a.m. daily.
19. All swine exhibitors must have completed the *Youth for the Quality Care of Animals* training (YQCA; found at http://yqca.org/) prior to exhibiting at the Kane County Fair. **YQCA certification must be completed by April 1**. 2019. All swine exhibitors must obtain a premise ID number in order to exhibit and sell their animals.

Class: Single Production Gilt	Subclasses:	Poland China, Chester White, Hampshire, Duroc, Yorkshire, Berkshire, Spotted Poland China, Landrace, Crossbreeds
Class: Pen Production Gilt	Subclasses:	Poland China, Chester White, Hampshire, Duroc, Yorkshire, Berkshire, Spotted Poland China, Landrace, Crossbreeds
Class: Single Market Gilt	Subclasses:	Poland China, Chester White, Hampshire, Duroc, Yorkshire, Berkshire, Spotted Poland China,

		Landrace, Crossbreeds
Class: Pen Market Gilt	Subclasses:	Poland China, Chester White, Hampshire, Duroc, Yorkshire, Berkshire, Spotted Poland China, Landrace, Crossbreeds
Class: Single Barrow	Subclasses:	Poland China, Chester White, Hampshire, Duroc, Yorkshire, Berkshire, Spotted Poland China, Landrace, Crossbreeds
Class: Pen of Barrows	Subclasses:	Poland China, Chester White, Hampshire, Duroc, Yorkshire, Berkshire, Spotted Poland China, Landrace, Crossbreeds

Class: Club Exhibit (This class is not premium eligible.)
Five animals owned by at least three exhibitors from the same club.

Class: Jr. Jr. Showmanship – Age 8-10 as of September 1, 2018
Class: Jr. Showmanship – Ages 11-13 as of September 1, 2018
Class: Sr. Showmanship – Ages 14-18 as of September 1, 2018
An exhibitor can win a division only one time. Jr. Jr. Showmanship winner can compete in Jr. Showmanship next year. Jr. Showmanship winner can compete in Sr. Showmanship next year.

AWARDS:
Champion & Reserve Champion division winners for Purebred Production Gilts & Market Gilts

Champion Crossbreed Production Gilt over All Weights	Rosette
Reserve Champion Crossbreed Production Gilts over All Weights	Rosette
Grand Champion Production Gilt	Picture Trophy/Rosette
Reserve Grand Champion Production Gilt	Picture Trophy/Rosette
Grand Champion Pair Production Gilts	Picture Trophy/Rosette
Reserve Grand Champion Pair Production Gilts	Picture Trophy/Rosette
Light Weight Champion Market Gilt	Rosette
Light Weight Reserve Champion Market Gilt	Rosette
Medium Weight Champion Market Gilt	Rosette
Medium Weight Reserve Champion Market Gilt	Rosette
Heavy Weight Champion Market Gilt	Rosette
Heavy Weight Reserve Champion Market Gilt	Rosette
Champion Crossbreed Market Gilt Over All Weights	Rosette
Reserve Champion Crossbreed Market Gilt Over All Weights	Rosette
Grand Champion Single Market Gilt, overall	Picture Trophy/Rosette
Reserve Grand Champion Single Market Gilt, overall	Picture Trophy/Rosette
Grand Champion Pen of 2 Market Gilts, overall	Picture Trophy/Rosette
Reserve Grand Champion Pen of 2 Market Gilts, overall	Picture Trophy/Rosette

Champion & Reserve Champion division winners for Purebred Barrows

Light Weight Champion Barrow	Rosette
Light Weight Reserve Champion Barrow	Rosette
Medium Weight Champion Barrow	Rosette
Medium Weight Reserve Champion Barrow	Rosette
Heavy Weight Champion Barrow	Rosette
Heavy Weight Reserve Champion Barrow	Rosette
Champion Crossbreed Barrow over All Weights	Rosette
Reserve Champion Crossbreed Barrow over All Weights	Rosette
Grand Champion Single Barrow	Picture Trophy/Rosette
Reserve Grand Champion Single Barrow	Picture Trophy/Rosette

Grand Champion Pen of Barrows	Picture Trophy/Rosette
Reserve Grand Champion Pen of Barrows	Picture Trophy/Rosette
Jr. Jr. Swine Showmanship	Picture Trophy/Rosette
Jr. Swine Showmanship	Picture Trophy/Rosette
Sr. Swine Showmanship	Picture Trophy/Rosette
Best 4-H Club Swine Exhibit	Certificate

General Projects by Exhibit Area

Judging – April 6, 2019
-
  - **Public Presentations**

Judging - Tuesday, July 16, 2019

- **Cloverbuds**

- **Animal Science**

- **Clothing**
  - STEAM Clothing
  - Shopping in Style

- **Communications**
  - Communications
  - Creative Writing
  - Journalism
  - Video/Filmmaking
  - Photography

- **Community Development**
  - College & Career Readiness
  - Civic Engagement
  - Intercultural
  - Leadership

- **Engineering & Technology**
  - Computer Science
  - Geospatial
  - Robotics
  - Technologies

- **Exploratory 4-H**
  - Collectibles
  - Exploratory

- **Foods**
  - Cooking 101, 201, 301, 401
  - Food Preservation
  - Food Science

- **Home & Family**
  - Interior Design

- **Mechanical Science**
  - Aerospace
  - Bicycle
  - Electricity
  - Small Engines
  - Tractor
  - Welding
  - Woodworking

- **Miscellaneous**
  - Consumer Education
  - Health
  - Theatre Arts

- **Natural Resources**
  - Beekeeping
  - Entomology
  - Exploring Your Environment
  - Forestry
  - Geology
  - Natural Resources
  - Outdoor Adventures
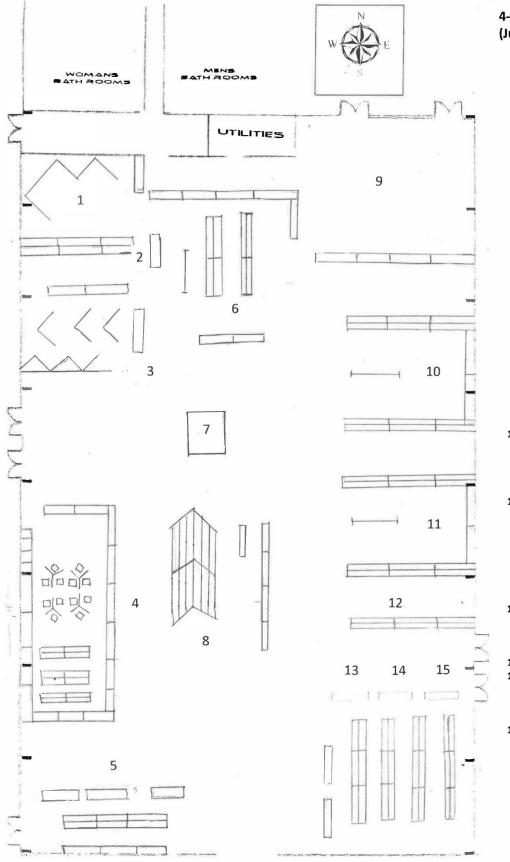 - Shooting Sports
  - Sportfishing
  - Weather
  - Wildlife

- **Plants & Soils**
  - Crops
  - Horticulture – Floriculture
  - Horticulture – Vegetable Gardening
  - Plant & Soil Science

- **Veterinary Science**

- **Visual Arts**
  - Visual Arts
  - Food Decorating
  - Scrapbooking

4-H Exhibit Hall (Judging Day)

WOMANS BATH ROOMS

MENS BATH ROOMS

UTILITIES

FREIGHT LOAD IN

1. **Clothing**
2. **Home & Family**
   Interior Design
3. **Communications**
   Communications
   Creative Writing
   Filmmaking/Video
   Journalism
   Photography
4. **Visual Arts**
5. **Natural Resources**
   Beekeeping Entomology
   Exploring Your Environment
   Forestry
   Geology
   Natural Resources Outdoor
   Adventures Shooting Sports
   Sportfishing
   Weather
   Wildlife
6. **Plants & Soils**
   Crops
   Floriculture
   Horticulture
   Plant & Soil Science
7. **4-H Info Booth**
8. **Foods**
9. **Parent Gallery**
10. **Engineering and Technology**
    Computer
    GPS/GIS
    Robotics
    Technology
11. **Mechanical Sciences**
    Aerospace
    Bicycle
    Electricity
    Small Engines
    Tractor
    Welding
    Woodworking
12. **Cloverbuds/Exploratory**
    Cloverbuds
    Collectibles
    Exploratory
13. **Vet/Animal Science**
14. **Miscellaneous**
    Consumer Education
    Health
    Theatre Arts
15. **Community Development**
    Citizenship
    College & Career Re
    Intercultural
    Leadership
    Service Learning
    Workforce Prep

Communications: Public Presentations

Superintendent – Paul Braddock

Enrollment in the Public Presentations project is required to exhibit in this division. Members may give a total of two presentations from different classes. **This project area is eligible for the State 4-H Public Presentations Contest** to be held on **Saturday, June 8, 2019,** at **Richland Community College** in **Decatur, IL. Three delegates and three alternates may be chosen, if merited.** (The State 4-H Public Presentations Contest is no longer held at the Illinois State Fair in Springfield, IL)

4-H members can qualify for a state-level public speaking event IN ADDITION to exhibiting at the State Fair in another project area, if merited.

Each exhibitor is responsible for setting up his/her own presentation area. No parents or supervising adults will be permitted in the staging areas or to assist with equipment being used in the presentation. The only equipment provided, upon request, will be: podium, table, screen, LCD projector, and extension cord. *Request for equipment must be made one week prior to contest.*

No live animals of any kind are allowed in any speech/presentation.

The content of any 4-H competitive presentation does not necessarily reflect the beliefs or views of University of Illinois Extension and/or the 4-H program.

Class: 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…

Class: 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.

Class: Original Works | Individual | Team Self-written | Notecards allowed | Props and Costumes Allowed | 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

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

Class: Original Works | 2-Person Team | Team Self-written | Notecards allowed | Props and Costumes Allowed | 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
- Broadcast Media Program
- Theatrical
- Combined Program: Combine any number of the above elements along with other creative presentation forms

Class: Oral Interpretation | Individual |Published work | Props and Costumes Allowed | Manuscripts Sent in Advance | 4-8 minutes

Presentations in Oral Interpretation must be published works, and manuscripts or transcripts must be submitted prior to or at 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

Class: Oral Interpretation | 2-Person Team |Published work | Props and Costumes Allowed | Manuscripts sent in Advance | 4-8 minutes

Presentations in Oral Interpretation must be published works, and manuscripts or transcripts must be submitted prior to or at 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

AWARDS:

Grand Champion Public Presentations, ages 8-12	Picture Trophy/Rosette
Reserve Grand Champion Public Presentations, ages 8-12	Rosette
Grand Champion Public Presentations, ages 13-18	Picture Trophy/Rosette
Reserve Grand Champion Public Presentations, ages 13-18	Rosette

AEROSPACE
Superintendents –Chuck Coffey, Angie Einwich, Mark Einwich
Carol Koukol, Hank Koukol

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegates and two alternates may be chosen, if projects merit. Displays should fit into an area no larger than 2' wide x 15" deep. Posters for hanging should be no larger than 22" x 30". Rockets or model aircraft can take no more than 3' x 3' of table space when placed upright. Exhibits over 4' may be placed on the floor.

Class: Model Rocketry – Exhibit one model rocket assembled or made by the member. The exhibit will be a static display. The model rocket should be in good flying condition. DO NOT include the rocket engine with your exhibit. The rockets will not be launched. Exhibit should include the printed directions for construction of the rocket if any were used.

Class: 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.

Class: 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.

Class: 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
- 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.

AWARDS:

Grand Champion Aerospace	Picture Trophy/Rosette
Reserve Grand Champion Aerospace	Rosette

Animal Science
Superintendents – Bonnie & Jennifer Kararo

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegates and two alternates may be chosen, if projects merit. Exhibits in this area are limited to a space of 2' wide x 15" deep. Posters to be hung should be no larger than 22" x 30". All items in the display must be affixed to the display or poster board—no additional items should be included.

Animal Science Classes
Prepare a display focusing on any activity related to the specific 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.

Class: Beef Animal Science
Class: Cat Animal Science
Class: Dairy Animal Science
Class: Dog Animal Science
Class: Goat Animal Science
Class: Guinea Pig Animal Science
Class: Horse Animal Science
Class: Horse Animal Science
Class: Poultry Animal Science
Class: Rabbit Animal Science
Class: Sheep Animal Science
Class: Swine Animal Science

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.

Class: Beef Animal Science Maker
Class: Cat Animal Science Maker
Class: Dairy Animal Science Maker
Class: Dog Animal Science Maker
Class: Goat Animal Science Maker
Class: Guinea Pig Animal Science Maker
Class: Horse Animal Science Maker
Class: Horse Animal Science Maker
Class: Poultry Animal Science Maker
Class: Rabbit Animal Science Maker
Class: Sheep Animal Science Maker
Class: Swine Animal Science Maker

Animal Science Beef Ready4Life Challenge
(Open to 11- to 18-year-olds enrolled in any Dog 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.

Class: Beef Animal Science Ready4Life Challenge
Class: Cat Animal Science Ready4Life Challenge
Class: Dairy Animal Science Ready4Life Challenge
Class: Dog Animal Science Ready4Life Challenge
Class: Goat Animal Science Ready4Life Challenge
Class: Guinea Pig Animal Science Ready4Life Challenge
Class: Horse Animal Science Ready4Life Challenge
Class: Poultry Animal Science Ready4Life Challenge
Class: Rabbit Animal Science Ready4Life Challenge
Class: Sheep Animal Science Ready4Life Challenge
Class: Swine Animal Science Ready4Life Challenge

AWARDS:

Grand Champion Animal Science, ages 8-14	Picture Trophy/Rosette
Reserve Grand Champion Animal Science, ages 8-14	Rosette
Grand Champion Animal Science, ages 15-18	Picture Trophy/Rosette
Reserve Grand Champion Animal Science, ages 15-18	Rosette

BICYCLE
Superintendents –Chuck Coffey, Angie Einwich, Mark Einwich
Carol Koukol, Hank Koukol
Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

CLASS: Bicycle Level 1 (Bicycling for Fun) (not eligible for state fair)
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.

CLASS: Bicycle Level 2 (Wheels in Motion) (not eligible for state fair)
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.

Class: Bicycle Ready4Life Challenge (not eligible for state fair)
(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.

Class: Bicycle 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.

AWARDS:

Grand Champion Bicycle Safety	Picture Trophy/Rosette
Reserve Grand Champion Bicycle Safety	Rosette

CIVIC ENGAGEMENT
Superintendents – Kim Braddock, Nancy Heine
Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegates and two alternates may be chosen, if projects merit. All displays should fit into an area no larger than 2'6" wide x 15" deep. Posters to be hung should be no larger than 22" x 30".

Class: Civic Engagement I – Individual - 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.

Class: Civic Engagement II – Individual – Exhibit a display illustrating one of the following options: 1) your neighborhood; 2) how you were a good neighbor or lead a service project for your community; OR 3) a Citizenship Challenge that you helped organize and lead (see the project book for details).

Class: **Civic Engagement III – Individual –** 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.

Class: Civic Engagement Ready4Life Challenge:
(Open to 11- to 18-year-olds enrolled in any Citizenship 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.

Class: 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.

Class: Service Learning I – Individual – This class is NOT State Fair eligible. 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, the binder portfolio should include previous years' work. Use of page protectors is recommended. Exhibit will NOT be labeled "Do Not Touch."

Class: Service Learning II - Individual – This class is NOT State Fair eligible. 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 I), the binder portfolio should include previous years' work. Use of page protectors is recommended. Exhibit will NOT be labeled "Do Not Touch."

Grand Champion Civic Engagement-Individual	Picture Trophy/Rosette
Reserve Grand Champion Civic Engagement-Individual	Rosette
Grand Champion Civic Engagement-Club	Rosette (each individual)
Reserve Grand Champion Civic Engagement-Club	Rosette (each individual)
Grand Champion Service Learning	Rosette
Reserve Grand Champion Service Learning	Rosette

Clothing & Textiles
Superintendents – Deanna Fidler, Beth Gehrke, Carolyn Gehrke
Tuesday, July 16
Check-In, 1:30-5:30 p.m.
Conference Judging, 2:00-6:00 p.m.
Check-In and Judging will held at Extension Office

This project area is eligible for state fair selection. Five delegates and Five alternates may be chosen (three entries from STEAM Clothing 1-3 and two entries from Shopping in Style 1-6), if projects merit. All displays should fit into an area no larger than 2'6" wide x 15" deep. Hanging posters should be no larger than 22" x 30".

These rules apply to ALL apparel projects and must be followed completely for acceptance except as noted.

All exhibits entered in the clothing and textiles area will be judged based on their construction and fit (if applicable). Exhibitors bringing garments should not wear their garments when they arrive for judging. The garment will be first reviewed by the judges for construction. As the second step of the judging process, exhibitors will be asked to change into the garment. If the garment 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.) Construction and appearance will both be considered during judging. If a pattern was used to make the item, the pattern instructions, either written or electronic, are to be included with the exhibit.

For exhibit, garments should be on a sturdy hanger with exhibitor's tags securely fastened to the **garment** with a safety pin. Pattern envelope and instructions, fabric swatch, and the Garment Description Form (typed or neatly printed) must be enclosed in a gallon size Ziploc bag and **pinned to the garment**. The Garment Description Form includes exhibitor's name, age, number of years in 4-H, number of years in clothing and number of years in this unit of clothing, (ie. STEAM Clothing 1, STEAM Clothing 2, STEAM Clothing 3). Garment Description Forms are available online or from the Extension Office. The 4-H'ers name is to be on everything included in the ziploc bag. Each 4-H'er should have his/her own pattern and instructions. **All garments/items should be covered in a clear plastic bag (no garment bags).**

SPECIAL NOTE: Knitted items should be exhibited under Visual Arts – Fiber (if original) or Visual Arts – Heritage Arts (if made from a pattern). Members who enroll in Clothing and Textiles with the intent of pursuing quilting can exhibit in the non-clothing exhibit category that aligns with the Sewing & Textiles project they are enrolled in. 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 should be completed by the 4-H member.

STEAM Clothing 1 – Fundamentals:

Non-Sewn Exhibits
Class – STEAM Clothing 1: 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.

Class – STEAM Clothing 1: 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.

Class – STEAM Clothing 1: 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 Exhibits

Class – STEAM Clothing 1: Pillowcase

Class – STEAM Clothing 1: Simple Pillow – no larger than 18" x 18"

Class – STEAM Clothing 1: Bag/Purse – no zippers or button holes

Class – STEAM Clothing 1: Other Non-Clothing Item using skills learned in project manual. Exhibitor should be able to identify the skill used.

Sewn Clothing Exhibits
Class – STEAM Clothing 1: Simple top

Class – STEAM Clothing 1: Simple pants, shorts, or skirt – no zipper or button holes

Class – STEAM Clothing 1: Simple Dress – no zipper or button holes

Class – STEAM Clothing 1: Other – other wearable item using skills learned in project manual (apron, vest, etc.)

STEAM Clothing 2 – Simply Sewing:

Non-Sewn Exhibits
Class – STEAM Clothing 2: 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.

Class – STEAM Clothing 2: 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.

Class – STEAM Clothing 2: 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.

Class – STEAM Clothing 2: 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 Exhibits
Class – STEAM Clothing 2: 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.

Class – STEAM Clothing 2: Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

Class – STEAM Clothing 2: Other Non-Clothing Item using skills learned in project manual. Exhibitor should be able to identify the skill used.

<u>**Sewn Clothing Exhibits**</u>

Class – STEAM Clothing 2: 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.

Class – STEAM Clothing 2: 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:

<u>**Non-sewn Exhibits**</u>
Class – STEAM Clothing 3: 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 STEM 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.

Class – STEAM Clothing 3: 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.

Class – STEAM Clothing 3: 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.

<u>**Sewn Non-Clothing Exhibit**</u>
Class – STEAM Clothing 3: 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.

Class – STEAM Clothing 3: Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

Class – STEAM Clothing 3: Other Non-Clothing Item using skills learned in project manual. Exhibitor should be able to identify the skill used.

<u>**Sewn Clothing Exhibit**</u>

Class – STEAM Clothing 3: 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.

Class – STEAM Clothing 3: 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 in Style:

Class: Shopping in Style –Beginning- Personal Style
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.

Class: Shopping in Style – Beginning- Fad/Fashion or Ethnic/Cultural
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.

Class: Shopping in Style – Beginning – Shape/Color
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.

Class: Shopping in Style – Beginning – Design Principles
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.

Class: Shopping in Style – Intermediate – Wardrobe Transformation
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.

Class: Shopping in Style – Intermediate – Wardrobe Mix & Match
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.

Class: Shopping in Style – Intermediate– Inventory/Advertising
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.

Class: Shopping in Style –Intermediate – Comparison Studies
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 a 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.

Class: Shopping in Style – Advanced – Garment Care
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.

Class: Shopping in Style – Advanced – Repairs/Alterations
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.

Class: Shopping in Style – Advanced – Fashion Show Commentary
Exhibit should include a 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 fashion show logistical plan for the fashion show that includes a financial plan. Exhibitor should be prepared to demonstrate modeling skills.

Class - Sewing & Textiles Ready4Life Challenge
(Open to 11- to 18-year-olds enrolled in any Sewing & Textiles project)
Class: 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.

Class: 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 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.

AWARDS (if merited):

Grand Champion Sewing & Textiles I	Picture Trophy/Rosette
Reserve Grand Champion Sewing & Textiles I	Rosette

Grand Champion Sewing & Textiles II	Picture Trophy/Rosette
Reserve Grand Champion Sewing & Textiles II	Rosette
Grand Champion Sewing & Textiles III	Picture Trophy/Rosette
Reserve Grand Champion Sewing & Textiles III	Rosette
Grand Champion Shopping in Style	Picture Trophy/Rosette
Reserve Grand Champion Shopping in Style	Rosette

Cloverbud Exhibit
(This division is for youth members, ages 5-7.)

Superintendent – Annette Gorney

Tuesday, July 16
Check-In 1:30-5:30 p.m.

Youth, ages 5-7, may enroll in 4-H as Cloverbud members. Youth in this age group are not developmentally ready to participate in the community 4-H club program. The Cloverbud program is non-competitive. Cloverbuds do not participate in competitive events, contests, shows, or raise animals as a project and are not eligible to receive premiums.

1. Cloverbuds may exhibit ONE completed activity from any of the Cloverbud curriculums listed in the *Pick Your Project Guid*e (pages 34-35).

2. Cloverbuds cannot exhibit livestock or any other animals.
3. All Cloverbud exhibits will receive a *Participation Ribbon* ONLY.
4. Exhibits will not be judged. The exhibits will be reviewed in consultation with the superintendent.

Collectibles
Superintendent – Annette Gorney

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This exhibit is NOT eligible for State Fair Selection.

Class: Collectibles
Bring your completed project book and your collection or examples of your collection, with pictures of total collection (if it's too large to bring), OR an exhibit or poster illustrating one feature of the project.

College and Career Readiness
Superintendents – Kim Braddock, Nancy Heine

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. One delegate and one alternates may be chosen with a maximum of one entry per class, if projects merit.

Class: 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. 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 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.

Class: 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.

Class: 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 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.

AWARDS:

Grand Champion College & Career Readiness   Rosette
Reserve Grand Champion College & Career Readiness   Rosette

Communications
Superintendents – Kim Becker, Marilyn Becker, Ed Krause

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. A total of two delegates and two alternates may be chosen from Communications, Creative Writing, and Journalism, if projects merit.

Class: Communications I – Use of page protectors is recommended. Exhibit will NOT be labeled "Do Not Touch." For 1st year enrolled in project – exhibit a binder portfolio showcasing at least three activities from the project book. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project – include everything from earlier year's work and add section showcasing at least four additional activities per year.

Class: Communications II – Use of page protectors is recommended. Exhibit will NOT be labeled "Do Not Touch." For 1st year enrolled in project – exhibit a binder portfolio showcasing at least three activities from the project book. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project – include everything from earlier year's work and add section showcasing at least four additional activities per year.

Class: Communications III – Use of page protectors is recommended. Exhibit will NOT be labeled "Do Not Touch." For 1st year enrolled in project – exhibit a binder portfolio showcasing at least three activities from the project book. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project – include everything from earlier year's work and add section showcasing at least four additional activities per year.

Class: 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.

Class: 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.

AWARDS:

Grand Champion Communications	Rosette
Reserve Grand Champion Communications	Rosette

COMPUTER SCIENCE
Superintendents – Robert Becker,
Carol McKellar, Michael McKellar

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit. Exhibits are limited to the maximum size of 3' wide x 15" deep for display.

Superintendent(s) or Judges reserve the right to switch exhibits to different classes as needed to meet the classification designations.

Exhibitors will be asked to give a presentation/explanation of their exhibit to judge. A presentation using a computer is not required. **Computers will not be furnished.** Exhibitors may bring computer equipment for demonstration purposes. University of Illinois Extension/4-H and the Kane County Fair Association 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.

Class: 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.

Class: 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). 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.

Class: Advanced 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.

Class: Website Design
(Open to youth in Computer Science Visual Based 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.

Class: Open Source/Innovation Computer Science
(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 programing 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.

Class: 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.

Class: Computer Science Maker
 Or 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.

AWARDS:

Grand Champion Computer Science	Picture Trophy/Rosette
Reserve Grand Champion Computer Science	Rosette

CONSUMER EDUCATION
Superintendent – Jennifer Haviland and Helen Feuerborn

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is NOT eligible for State Fair selection.

Class: Entrepreneurship – Be the E! – (not state fair eligible) 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. Exhibit will **NOT** be labeled "Do Not Touch."

Class: 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.

- **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.

Class: 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 4U.

- **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.

Class: 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.

Class: 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.

AWARDS:

Grand Champion Consumer Education	Rosette
Reserve Grand Champion Consumer Education	Rosette

Creative Writing
Superintendents – Kim Becker, Marilyn Becker, Ed Krause

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. A total of two delegates and two alternates may be chosen from Communications, Creative Writing, and Journalism, if projects merit.

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; hence entries are due to the Extension Office no later than 4 p.m. July 10.

Each member may submit only one entry per class. Each entry is to be typewritten on 8 ½ x 11 paper and include exhibitor's name. Entries must be original and **written for the 4-H project**. Stories should be double-spaced. Poems may be single-spaced.

Class: Rhymed Poetry – An interpretation of a subject in rhymed verse. Submit a collection of three poems.

Class: Free Style Poetry– An interpretation of a subject in unrhymed verse. Submit a collection of three poems.

Class: Short Story– A fiction piece comprised of three basic elements: a theme, a plot and characters. Submit one story, maximum length –2,000 words.

Class: Essay– A short nonfiction composition in which a theme is developed or an idea is expressed. Submit one essay, maximum length –500 words.

Class: 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.

AWARDS:

Grand Champion Computer Science	Rosette
Reserve Grand Champion Computer Science	Rosette

CROPS
Superintendents – Greg & Vickie Goodrich

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit. **All crops exhibited MUST have been grown and cared for by the exhibitor as part of their current 4-H Crops project.**

Exhibitors should be aware that crops, flowers, vegetables, fruits and nuts may be removed from display during the fair if they start to deteriorate. Exhibitors will receive their ribbon and score sheet at the end of the fair.

Class: Corn - Exhibit two 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. *Sweet corn should be exhibited in Vegetable Gardening unless being raised under commercial contract by the exhibitor.* Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

Class: Small Grains - Exhibit one gallon of the 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 the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

Class: Soybeans - Exhibit five 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 @ 4-H.illinois.edu, an FFA crops record, or similar information.

Class: Crops Innovation Class
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. 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.

Class: Crops Ready4Life Challenge: (SF 50175)
(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.

Class: 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.)

- 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.

AWARDS:

Grand Champion Crops   Picture Trophy/Rosette
Reserve Grand Champion Crops   Rosette

ELECTRICITY

Superintendents - Chuck Coffey, Angie Einwich, Mark Einwich
Carol Koukol, Hank Koukol

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen from the electricity classes, if projects merit. Displays are limited to 2' x 2 ½' in size. If an item is not meant to be displayed on a table-top, please indicate such on the exhibit tag.

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 at: http://www.energyedcouncil.org/4-H.html

Class: Electricity 1 - (May only be battery-powered projects using battery components and wiring). Exhibit a momentary switch, simple switch, basic circuit, electromagnet, galvanometer, **OR** an electric motor. All projects must include a report explaining how the project was constructed and the principles demonstrated. Recommendations can be found on the website. Projects using paper clips, cardboard, thumbtacks, & brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.

Class: Electricity 2 - (May only be battery-powered projects using battery components and wiring) Exhibit a circuit board demonstrating parallel and series switches, including a circuit diagram; 3-way or 4-way switch circuit using DC/battery; **OR** a basic electrical device (examples: rocket launcher, burglar alarm, etc). All projects must include a report explaining how the project was constructed and the principles demonstrated. Recommendations can be found on the website. Projects using paper clips, cardboard, thumbtacks, & brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.

Class: 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. All electricity projects must include a report,

explaining how the project was constructed, and principles for its operation. Recommendations can be found on the website listed above.

Class: 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.

Class: 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.

Class: Electricity Maker
- 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.

AWARDS:

Grand Champion Electricity	Picture Trophy/Rosette
Reserve Grand Champion Electricity	Rosette

ENTOMOLOGY BEEKEEPING
Superintendent – John McCafferty

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegates and two alternates may be chosen from Beekeeping 1-3, if exhibits merit. Additionally, one delegate and one alternate may be chosen from **Entomology Beekeeping Ready4Life Challenge** providing exhibits merit.

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.*

Class: 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.

Class: 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.

Class: Beekeeping 3: (SF 50382)
Exhibit three (3) of the four (4) kinds of honey listed below (#1-4) 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.

Class: Entomology Beekeeping Ready4Life Challenge: (SF 50384)
(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.

Class: 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.

AWARDS

Grand Champion Beekeeping	Rosette
Reserve Grand Champion Beekeeping	Rosette

ENTOMOLOGY
Superintendent – John McCafferty

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegate and two alternate may be chosen, if projects merit.

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". Exhibitors should note that Entomology exhibits may be placed upright for display. Rules for pinning and labeling insects are available from the Extension Office.

Class: Entomology I - Limited to members enrolled in the Entomology I project. Exhibit fifteen (15 or more species representing four (4) or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology I project book, *Teaming with Insects 1,* with at least one completed activity for each year enrolled. The project book must be attached to one of the exhibitor's cases. Member should be able to discuss skills learned.

Class: Entomology II - Limited to members enrolled in the Entomology II project. Exhibit thirty (30) or more species representing eight (8) or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology II project book, *Teaming with Insects 2,* with at least one completed activity for each year enrolled. The project book must be attached to one of the exhibitor's cases. Member should be able to discuss skills learned.

Class: Entomology III - Limited to members enrolled in the Entomology III project. Exhibit sixty (60) or more species representing twelve (12) or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology III book, *Teaming with Insects 3,* with at least one completed activity for each year enrolled. The project book must be attached to one of the exhibitor's cases. Member should be able to discuss skills learned.

Class: Entomology Display, Other - **(Open to youth enrolled in Entomology 1, Entomology 2 or Entomology 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.

Class: 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.

Class: Entomology Maker (SF 50400)
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.

AWARDS:

Grand Champion Entomology	Picture Trophy/Rosette
Reserve Grand Champion Entomology	Rosette

EXPLORATORY
Superintendent – Annette Gorney

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is NOT eligible for state fair selection.

Class: **EXPLORATORY** (*Welcome to 4-H*): 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

AWARDS:
Grand Champion Exploratory   Rosette
Reserve Grand Champion Exploratory   Rosette

Food & Nutrition
Superintendents –Joan Horwitz, Becky Wede, Gayle Wede

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. One delegate and one alternate may be chosen from each of the following projects: 4-H Cooking 101, 201, 301, and 401; Food Science 1, 2, 3, OR 4; Food Preservation; and Ready 4Life Challenge; if projects merit.

Please **provide a 4 x 6 photo of your food product with your display**. This photo will be used in case food spoils so that visitors to the fair may see what your food product looked like initially.

1. All food product entries, with the exception of the Food Preservation class, must use recipes from the project manual. Exhibits must be the work of only the exhibitor. **Group projects are not allowed.**

2. All food products must be exhibited on a disposable plate and placed in a clear plastic bag that is self-sealing. Have your exhibit as neat and attractive as possible but DO NOT DECORATE IT.

3. Exhibitors should be aware that food items and containers may NOT be returned at the end of the week for food safety reasons. Exhibitors will receive their ribbon, menu, and judging sheet at the release time (6 p.m. on Sunday, July 21).

4. All Nutrition Education Displays must relate to the project area in which the member is enrolled. All nutrition education displays are limited and must fit into a space not larger than 24" wide x 15" deep. All hanging posters are limited to 22" x 30". Perishable foods may not be included in the display. 4-H'ers may use food models

(commercially purchased or made by the individual), pictures from magazines, etc. Non-perishable items, such as sealed or canned products, may be used. All items for the display must be labeled with the exhibitor's name and an inventory included with the project. For Nutrition Education Displays, no commercial names should be visible on the products used.

Class: 4-H Cooking 101 – Cereal Marshmallow Bars
Using a recipe included in the project manual, prepare an exhibit of three (3) cereal 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 a document with printed pictures of your 3 or more plates 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. Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 101 – Coffeecake
Using a recipe included in the project manual, prepare an exhibit of ¼ of an 8" square or round coffeecake. 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 a document with printed pictures of your 3 or more plates 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. Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 101 – Cookies
Using a recipe included in the project manual, prepare an exhibit of three (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 a document with printed pictures of your 3 or more plates 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. Display the food exhibit on a disposable plate and place in a zip - sealing plastic bag.

Class: 4-H Cooking 201 – Muffins
Using a recipe included in the project manual, prepare an exhibit of three (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 a 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. Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 201 – Nut Bread
Using a recipe included in the project manual, prepare an exhibit of one (1) 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 a 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. Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 201 – Scones
Using a recipe included in the project manual, prepare an exhibit of three (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 a 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. Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 301 – Dinner Rolls
Using a recipe included in the project manual, prepare an exhibit of three (3) dinner rolls. The yeast 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. *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 a document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project. Display the food exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag.

Class: 4-H Cooking 301 – Cake
Using a recipe 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. *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 a document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project. Display the food exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag.

Class: 4-H Cooking 301 – Sweet Rolls
Using a recipe included in the project manual, prepare an exhibit of three (3) sweet rolls. If icing is used on the sweet rolls, the recipe for the icing must also come from the project book. The yeast 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. *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 a document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project. Display the food exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag.

Class: 4-H Cooking 301 – Tea Ring
Using a recipe included in the project manual, prepare an exhibit of one (1) tea ring. If icing is used on the tea ring, the recipe for the icing must also come from the project book. The yeast 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. *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 a document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project. Display the food exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag.

Class: 4-H Cooking 301 – Yeast Bread
Using a recipe included in the project manual, prepare an exhibit of a loaf of yeast bread. The yeast 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. *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 a document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project. Display the food exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag.

Class: 4-H Cooking 401 – Focaccia Bread
Using a recipe included in the project manual, prepare an exhibit of ½ 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 a 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? Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 401 – Pie Shell
Using a recipe included in the project manual, prepare an exhibit of one (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 a 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? Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 401 – Sponge Cake
Using a recipe included in the project manual, prepare an exhibit of a 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 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? Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Class: 4-H Cooking 401 – French Bread
Using a recipe included in the project manual, prepare an exhibit of a 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 a 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? Display the food exhibit on a disposable plate and place in a zip-sealing plastic bag.

Food Science

You must furnish any equipment you need for these exhibits. **Internet service is not provided**. All exhibits must include something visual, such as a printed copy of a digital presentation to remain on display. Electronic equipment *will only be used* during your judging time and will not remain on display during the exhibit period.

Class: Food Science 1 - 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.

Class: Food Science 2 - 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.

Class: Food Science 3 - 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.

Class: Food Science 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

All food preservation 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, 2018.
- Green beans, pressure canner. July 13, 2018.
- Beef jerky, food dehydrator and oven. July 13, 2018.

All preserved products must 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
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. **Group projects are not allowed.**

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 must 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/Kerr Canning (recipes after 1985)
- Mrs. Wages

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.

Class: Food Preservation - Canning – The exhibit must include two (2) different canned foods in appropriate jars for the products. Food may be fruit, vegetable, or tomato product (i.e. salsa, juice, etc.). **Commercial canned foods may not be used.**

Class: Food Preservation - Drying – Exhibit two (2) different dried foods packed in plastic food storage bags, include a brief written description of drying procedures used. Choose from fruit, vegetable, fruit leather or meat jerky.

Class: Food Preservation - Freezing – Prepare a nutrition display that illustrates a freezing principle. There is NOT a food exhibit option for this preservation method.

Class: Food Preservation - Jams, Jellies, and Preserves – Exhibit half-pint jars of two (2) different jams, jellies, and/or preserves. (**No freezer jam exhibits)**

Class: Food Preservation - Pickles and Relishes – Exhibit two (2) pint jars of different recipes of pickles and/or relishes. Jars should be appropriate for the product.

Class: Food Preservation - Preservation Combination – Exhibit two (2) different preserved food products, **excluding Freezing**, in appropriate jars/packaging (drying). For example, exhibit 1 jar of tomatoes (Canning) and 1 half-pint of jelly (Jams, Jellies, and Preserves). **Commercial canned foods may not be used.**

Ready4Life Challenge

Class: 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.

Class: 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.

Class: Foods 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.

AWARDS:

Grand Champion 4-H Cooking 101	Picture Trophy/Rosette
Reserve Grand Champion 4-H Cooking 101	Rosette
Grand Champion 4-H Cooking 201	Picture Trophy/Rosette
Reserve Grand Champion 4-H Cooking 201	Rosette
Grand Champion 4-H Cooking 301	Picture Trophy/Rosette
Reserve Grand Champion 4-H Cooking 301	Rosette
Grand Champion 4-H Cooking 401	Picture Trophy/Rosette
Reserve Grand Champion 4-H Cooking 401	Rosette
Grand Champion Food Science	Picture Trophy/Rosette
Reserve Grand Champion Food Science	Rosette
Grand Champion Food Preservation	Picture Trophy/Rosette
Reserve Grand Champion Food Preservation	Rosette

FORESTRY
Superintendent – John McCafferty

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. One delegate and one alternate may be chosen, if projects merit.

Class: Forests of Fun 1 - (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.

Class: Forests of Fun 2 - 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.

Class: Forests of Fun 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.

Class: 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.

Class: 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
- 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.

Grand Champion Forestry   Picture Trophy/Rosette
Reserve Grand Champion Forestry   Rosette

GEOLOGY
Superintendent – John McCafferty

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit.

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 geology exhibits must be in cases.**

Class: Pebble Pups I - Display eight (8) to nineteen (19) rocks or mineral specimens with three (3) minerals in the collection. Collection may include duplications that show variations. Label collection and note where found.

Class: Pebble Pups II - Display at least twenty (20) but no more than twenty nine (29) rocks and mineral specimens with seven (7) minerals in the collection. Collection may include duplications that show variations. Label collection and note where found.

Class: Rock Hounds I - Display at least thirty (30) but no more than forty (40) rocks and mineral specimens with ten (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. Be able to discuss various aspects of geology with judge.

Class: Rock Hounds II - This level is for those who are successfully completed Rock Hounds I. 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. Exhibitor should be able to discuss their theme and choice of specimens related to the theme with the judge.

Class: Geology Innovation Class - **(Open to youth 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. 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.

Class: 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.

Class: Geology 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.

AWARDS:

Grand Champion Geology	Picture Trophy/Rosette
Reserve Grand Champion Geology	Rosette

GEOSPATIAL
Superintendents – Robert Becker,
Carol McKellar, Michael McKellar
Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is NOT eligible for State Fair selection.

Class: Exploring Spaces, Going Places, Level One – 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.

Class: Exploring Spaces, Going Places, Level One – 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.

Class: Exploring Spaces, Going Places, Level Two – 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.

Class: Exploring Spaces, Going Places, Level Three – 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.

Class: 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.

Class: Geospatial 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.

AWARDS:
Grand Champion Geospatial   Rosette
Reserve Grand Champion Geospatial   Rosette

HEALTH
Superintendents – Jennifer Haviland and Helen Feuerborn

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit. All displays should fit into an area no larger than 2' wide x 15" deep. Posters for hanging should be no larger than 22" x 30".

Class: 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.

Class: 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.

Class: 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.

Class: Health Innovation Class - (**Open to youth who are 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.

Class: 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.

Class: 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 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.

AWARDS:

Grand Champion Health	Rosette
Reserve Grand Champion Health	Rosette

HORTICULTURE: FLORICULTURE
Superintendents – Greg & Vickie Goodrich

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit.

Class: Floriculture A, Arrangement – Exhibit one of the following options:
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.**

Class: Floriculture A, Photo Collage - 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".

Class: Floriculture A, Blooms - 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, and 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.)

Class: Floriculture B, Dried Flowers – Exhibit one of the following options:
Create an artistic display of dried flowers explaining how each was dried.

Class: Floriculture B, Photo Collage 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.

Class: Floriculture C, Terrarium/Dish Garden – Exhibit one of the following options:

Create a terrarium or dish garden. Plants should have been started by the exhibitor from cutings or seeds or as purchased plugs. The terrarium must be cared for by the exhibitor for at least 5 months.

Class: Floriculture C, Propagated Plant - Exhibit a plant that you propagated from cuttings, layering or division or started from seed. . Create a photo board no larger than 11"x14": 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.

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

Class: Floriculture D, Forced Bulbs - Create an exhibit of forced bulbs in a pot no larger than 12"x12".

Class: Floriculture Display - **(Open to youth enrolled in Floriculture A, Floriculture B, Floriculture C, and Floriculture 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, 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.

Class: 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.

Class: Floriculture 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.

AWARDS:
Grand Champion Floriculture   Picture Trophy/Rosette
Reserve Grand Champion Floriculture   Rosette

HORTICULTURE: VEGETABLE GARDENING
Superintendents – Greg & Vickie Goodrich

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit.

All vegetables exhibited must have been grown by the exhibitor as part of their current 4-H horticulture 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 at: http://web.extension.uiuc.edu/vegguide/ Waxes and oils may not be used on vegetables or fruits. **Any plant infested with insects will be removed from the exhibit area.**

Class: Vegetable Display
1. This class is allowed a 2'6" x 2'6" space for display.

2. Display must include 6 and 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 squash would be classified as two different vegetables.

3. The number and type of vegetables used must conform to the Vegetable Plate/Basket List following exhibit classes.

4. 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.)

Class: Vegetable Plate
1. Exhibit must include 2 single vegetable plates. Exhibitor will furnish the disposable plates.

2. Number of vegetables on plates must conform to Vegetable Plate List following exhibit classes.

3. Only one variety on each plate.

4. An exhibitor cannot show two plates of the same type vegetable. (i.e.: cannot exhibit red and white potatoes OR zucchini and straightneck summer squash.)

VEGETABLE PLATE/BASKET 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*.)

Asparagus (5 spears)	Parsnips (5)
Beans, Lima (12 pods)	Peas, (12 pods)
Beets (5)	Peppers, large fruited (bell/banana) (5)
Broccoli (1 head)	Peppers, small fruited (chili/cherry) (12)
Brussel sprouts (12 sprouts)	Popcorn (5)
Cabbage (1 head)	Potatoes (any variety) (5)
Cauliflower (1 head)	Pumpkin (1)
Carrots (5)	Rhubarb, trimmed stalks (3)
Cucumber, pickling or slicing (5)	Rutabaga (5)
Eggplant (1)	Salsify (5)
Garlic (5)	Squash, summer (any variety) (5)
Kohlrabi (5)	Sweet Corn, in husks (5)
Lettuce (1 head or plant)	Tomatoes, slicing (5)
Muskmelon incl. cantaloupe (1)	Tomatoes, small fruited (12)
Okra (12)	Turnip (5)
Onions, large, dry (5)	Watermelon(1)
Onions, green or set (12)	

Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turks's Turban) (1)
Beans, Snap, Green Pod or Golden Wax (12 pods)
Greens (collard, endive, escarole, kale, mustard, spinach, Swiss chard) (1 plant)
Horseradish Root (1 marketable root specimen harvested this year)

Class: Vegetable Gardening Display - (Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, Vegetable Gardening 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.

Class: 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.

Class: Vegetable Gardening 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.

AWARDS:

Grand Champion Horticulture	Picture Trophy/Rosette
Reserve Grand Champion Horticulture	Rosette

INTERCULTURAL (Passport to the World)
Superintendents – Kim Braddock, Nancy Heine
Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. One individual delegate and one club/group delegate and alternates may be chosen, if projects merit. All displays should fit into an area no larger than 3' wide x 15" deep.

Class: 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 information.

Class: 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. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

Class: 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.

Class: Intercultural, Club, Includes *Passport to the World, Diversity & Cultural Awareness,* **and** *Latino Cultural Arts* **Projects -** 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 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 manned by 3 or more club exhibitors **of 4-H age (8 and older)** 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 meet the age requirement) who participate in the actual critique and presentation are eligible for ribbons and premiums.

Class: 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 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.

AWARDS:

Grand Champion Intercultural - Individual	Picture Trophy/Rosette
Reserve Grand Champion Intercultural - Individual	Rosette
Grand Champion Intercultural - Club	Picture Trophy (club)/
	Rosette (each individual)
Reserve Grand Champion Intercultural - Club	Rosette (each individual)

Interior Design
Superintendents – Rosemarie Krause and Tracy Krause

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen with a maximum of one entry per level, if projects merit. Table-top displays should fit into an area no larger than 2' wide x 15" deep. Posters for hanging should be no larger than 22" x 30". Exhibitors should contact the Extension Office if the exhibit will take more than 3' x 3' of floor space.

Class: **Design Decisions, Beginning:**
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.

Class: **Design Decisions, Intermediate**:
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.

Class: **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.

Class: **Interior Design Innovation**
(Open to youth who are enrolled in Interior Design.)
Demonstrate the skills and knowledge you have gained through the Interior Design 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.

Class: **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.

Class: 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.

AWARDS:

Grand Champion Design Decisions	Picture Trophy/Rosette
Reserve Grand Champion Design Decisions	Rosette

JOURNALISM
Superintendents –Kim Becker, Marilyn Becker, Ed Krause

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

Class: Journalism – Exhibit a binder portfolio showing the results of the appropriate year's activities noted below:

Year 1: Accomplishments of a minimum of 5 ★★ activities from Part 1, answering all of the questions in the activities.
Year 2: Results of doing a minimum of 5 ★★ activities in Part 2, answering all the questions in the activities.
Year 3: Results of doing a minimum of 5 ★★★ 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 ★★ activities and 3 ★★★ activities from Part 3. If the activities include making an audio or videotape, we will provide a way for the judge to view or listen to it. (Advance notice must be made for equipment.)

Class: Clover Challenge, Journalism – This class is limited to 15-18 year olds who are enrolled in Clover Challenge for this project area. Exhibit a display illustrating the Clover Challenge area explored.

This could include anything NOT covered in the project book, including but not limited to career exploration, photojournalism, leading/teaching Journalism to others, etc. The completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

Class: 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.

Grand Champion Journalism	Rosette
Reserve Grand Champion Journalism	Rosette

LEADERSHIP

Superintendents – Kim Braddock, Nancy Heine
Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit. Two additional delegates and two alternates may be chosen from the Leadership Innovation Class, if projects merit.

Class: Leadership 1 – Create a binder portfolio with a minimum of four (4) completed activities each year, from the areas noted below. Build upon your previous year's work. 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: 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: 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: Making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

Class: Leadership 2 – Building upon your previous work, continue adding
to your binder portfolio with a minimum of four (4) 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: 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: 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: making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

Class: Leadership 3 – Building upon your previous work, continue adding to your binder portfolio with a minimum of four (4) 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: 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: 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: making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

Class: Leadership Innovation Class: (**Open to youth enrolled in** _Leadership 1, 2, or 3_**.**) Demonstrate the skills and knowledge you have gained through the Leadership 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.

Class: 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.

Class: 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 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.

Class: Leadership Group: (Open to clubs and groups whose members are enrolled in *What's Leadership?*)
 Exhibit a display illustrating how your group has used the *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. 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. 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 who participate in the actual critique and presentation are eligible for ribbons and premiums.

Grand Champion Leadership	Rosette
Reserve Grand Champion Leadership	Rosette

NATURAL RESOURCES
Superintendents – John McCafferty

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

All displays should fit into an area no larger than 2' wide x 15" deep. Posters to be hung should be no larger than 22" x 30". Bird eggs and/or nests are not allowed in any exhibits. **No live animals or reptiles are permitted in these exhibits.** Electricity and water are not available for these displays.

This project area is eligible for state fair selection. Five delegates and five alternates may be chosen, if projects merit.

Class: Natural Resources I - Exhibit any item developed from the project book, *Step Into Nature*. Be able to explain the importance of and concept behind the project exhibit.

Class: Natural Resources II - Exhibit any item developed from the project book, *Explore the Natural World*. Be able to explain the importance of and concept behind the project exhibit.

Class: Natural Resources III - Exhibit any item developed from the project book, *Blaze the Trail*. Be able to explain the importance of and concept behind the project exhibit.

Class: Outdoor Adventures I-III – Exhibit a display illustrating an activity completed from the project manual.

Class: Sportfishing I – 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.**

Class: Sportfishing II - 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.**

Class: Sportfishing III - 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; sportfishing careers; or identifying insects that fish eat. **For safety reasons, lures must be placed in a plastic case.**

Class: 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.

Class: Wildlife 2 – Exhibit any activity developed from the project manual. For example, create a display of the life history of an animal. Within the exhibit, explain the importance of and concept behind the exhibit.

Class: Natural Resources/Sportsfishing/Wildlife Innovation
(Open to youth who are enrolled in any of the above projects.) Demonstrate the skills and knowledge you have gained through the project you have studied. **Your exhibit should not fit in the other exhibit 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. 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.

Class: 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.

Class: 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 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.

Class: Exploring Your Environment 1 (Ecosystem Services) – (Not State Fair Eligible)
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.

Class: Exploring Your Environment 2 (Earth's Capacity) – (Not State Fair Eligible)
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.

AWARDS:

Grand Champion Outdoor Adventures	Picture Trophy/Rosette
Reserve Grand Champion Outdoor Adventures	Rosette
Grand Champion Natural Resources	Picture Trophy/Rosette
Reserve Grand Champion Natural Resources	Rosette
Grand Champion Shooting Sports/Archery	Picture Trophy/Rosette
Reserve Grand Champion Shooting Sports/Archery	Rosette
Grand Champion Sportfishing	Picture Trophy/Rosette
Reserve Grand Champion Sportfishing	Rosette

Grand Champion Wildlife   Picture Trophy/Rosette
Reserve Grand Champion Wildlife   Rosette

PHOTOGRAPHY
Superintendents – Kim Becker, Marilyn Becker, Ed Krause

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Four delegates and four alternates may be chosen, if projects merit. **ALL photos in exhibits must have been taken by the exhibitor.**

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* . Photos may be taken with a camera, an electronic tablet (i.e. iPad), or a cell phone.

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)
   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.

The exhibition size requirements for all photographs will be:
      Minimum image size: 5X7
      Maximum image size: 8X10
      Maximum exhibit size (including frame): 18X20

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.

NOTE: Images taken with devices that apply an automatic filter will not be eligible for award.

Class: 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.

Class: Photography 2, Close-Up
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.

Class: Photography 2, Technique
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.

Class: Photography 3, Still-Life
Exhibit one framed 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.

Class: Photography 3, Technique
Exhibit one framed 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.

Class: Photo Editing
Open to members in Photography 1, Photography 2, and Photography 3.
Exhibit one framed 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.

Class: Photography Innovation
Open to youth enrolled in Photography 1, 2, and 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. 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. 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 one framed photo illustrative of the work you are presenting.

Class: 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.

Class: Photography 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.

Grand Champion Photography 1	Picture Trophy/Rosette
Reserve Grand Champion Photography 1	Rosette
Grand Champion Photography 2	Picture Trophy/Rosette
Reserve Grand Champion Photography 2	Rosette
Grand Champion Photography 3	Picture Trophy/Rosette
Reserve Grand Champion Photography 3	Rosette
Grand Champion Photo Editing	Picture Trophy/Rosette
Reserve Grand Champion Photo Editing	Rosette

PLANT & SOIL SCIENCES
Superintendents – Greg & Vickie Goodrich

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is NOT eligible for State Fair selection.

Class: Plants & Soils 1, It's More than Just Dirt – 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.

Class: Plants & Soils 2, Stems and Stamens – 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 idea.

Class: Plants & Soils 3, Sprouting Out and Growing Up – 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.

Class: 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.

Class: Plants & Soils 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.

AWARDS:
Grand Champion Plant & Soil Science   Rosette
Reserve Grand Champion Plant & Soil Science   Rosette

ROBOTICS
Superintendents – Robert Becker, Carol McKellar & Michael McKellar

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen from the robotics classes, if projects merit. **State Fair exhibits for this section are individual only.** Teams or small groups are encouraged to participate in the Illinois 4-H State Robotics Challenge which is held each spring at UIUC campus.

Robot project exhibits (poster or display board) will be placed for public viewing in the 4-H Industrial building during the week of fair. Robots, laptops, and other technical equipment will not be put out for public display.

The 4-H Robotics Project area is divided into four independent project categories and several subclasses. The four categories are: Robotics 1 & 2, Junkdrawer Robotics, and Robotics Ready4Life Challenge. All project

classes are required to bring a poster or display board that summarizes what was learned. These posters and displays will be publicly exhibited in the 4-H Industrial Building during the week of the fair. Please limit the displays to 2' x 2-1/2' in size.

NOTE: If applicable for their class and display, exhibitors must bring their own computers for demonstration purposes; computers will not be provided. Internet access will not be available.
- Exhibits in classes Robotics 1 and 2 are designed to be used with the 4-H Robotics Platforms curriculum which uses LEGO Mindstorms (NXT or EV3).
- Any other programmable robot kit such as Arduino or Raspberry Pi, should be exhibited under Open Source Robotics Class, Innovation Class, or Ready4Life Challenge Class.

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.

Class: 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.

Class: 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.

Class: Robotics Innovation Open Source Class (SF 50292)
Open to youth enrolled in Robotics 3, but may also include youth in Robotics 1 or 2 if the exhibits 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 programed 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.

Class: 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.

Class: 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.

Class: 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.

Class: 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.

Class: 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:
- 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.

AWARDS:
Grand Champion Robotics	Picture Trophy/Rosette
Reserve Grand Champion Robotics	Rosette

Shooting Sports
Superintendent – John McCafferty

Tuesday, July 16
Check-In, 1:30-5:30 p.m.
Conference Judging, 2:00-6:00 p.m.

This project area is NOT eligible for State Fair selection.

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.

Class: Shooting Sports – 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.

Class: Shooting Sports - Hunting & Outdoor Skills
Exhibit a poster related to something you learned in the Hunting & Outdoor Skills project.

Class: 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.

Class: Shooting Sports 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.

AWARDS (if merited):
Grand Champion Shooting Sports   Rosette
Reserve Grand Champion Shooting Sports   Rosette

SMALL ENGINES
Superintendents –Chuck Coffey, Angie Einwich, Mark Einwich
Carol Koukol, Hank Koukol

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. One delegate and one alternate may be chosen, if projects merit. Small Engine displays must be no larger than 4' x 4' display board. Exhibits must be portable.

Small Engine displays must be no larger than 4' x 4' display board. <u>Exhibits must be portable.</u> The size of exhibits larger than 3' x 3' should be noted on the 4-HDMS electronic entry form. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display. No electrical power is available for displays/exhibits.

Class - Small Engines – Ignition System
Exhibit a display identifying the parts of the Ignition System and explain how magnetic energy is produced through the ignition system to ignite the spark plug.

Class – Small Engines – Compression System
Exhibit a display explaining how heat energy is produced by an engine and converted into mechanical energy.

Class – Small Engines -- Heat Transfer
Exhibit a display explaining how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine.

Class – Small Engines -- Filter Maintenance:
Exhibit a display explaining the proper maintenance and cleaning of the air, fuel and oil filters of an engine.

Class – Small Engines –Serial/Identification Numbers
Exhibit a display explaining the various information that can be learned from the serial number or identification number stamped on the shroud of a Briggs & Stratton engine.

Class – Small Engines –Tools Functionality
Exhibit a display identifying and explaining the function(s) of different specialty tools needed for small engine work

Class – Small Engines – Experimentation
Exhibit a display explaining through illustration an experiment you conducted from the project manual showing the results of your work.

Class: 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.

Class: Small Engines 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.

AWARDS:
Grand Champion Small Engines   Rosette
Reserve Grand Champion Small Engines   Rosette

TECHNOLOGIES
Superintendents – Robert Becker,
Carol McKellar, Michael McKellar

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is not eligible for state fair selection with the exception of *3-D Print & Design Maker* and *UAV Maker* Classes.

3-D PRINTING & DESIGN

Class: 3-D Design Beginner
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.

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.

Class: 3-D Design Advanced

Exhibitors are expected to go above and beyond those expectations set in 3-D design beginner. No 3-D Printer or 3-D printed object is required for this exhibit. Exhibit a complex 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 MUST not have multiple parts, doors, hinges or some sort of mechanistic feature to accomplish a specific task.

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.

Class: 3-D Printing Beginner

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 COMMERCIALLY 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.

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 and print 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.

Class: 3-D Printing Advanced

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 COMMERCIALLY 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.

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 and print 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.

Class: 3-D Printing & Design Ready4Life Challenge

(Open to 11- to 18-year-olds enrolled in any 3-D 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.

Class: 3-D Print & 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.

UNMANNED AERIAL VEHICLES/SYSTEMS (DRONES

Class: UAV Display
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.

Class: UAV Unmanned Aerial Systems
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.

Class: UAV Ready4Life Challenge
(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.

Class: UAV 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.

AWARDS:

Grand Champion 3-D Printing	Rosette
Reserve Grand Champion 3-D Printing	Rosette
Grand Champion UAV/Drones	Rosette
Reserve Grand Champion UAV/Drones	Rosette

THEATRE ARTS
Superintendent – Jennifer Haviland and Helen Feuerborn

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Three delegates and three alternates may be chosen, if projects merit. All displays should fit into an area no larger than 2' wide x 15" deep. Posters for hanging should be no larger than 22" x 30". Multiple items included in an exhibit must all be labeled with the member's name and county, and an inventory placed with the exhibit.

NOTE: There is no club/group display exhibit for this project.

Class: Theatre Arts I, Portfolio – 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.) Use of page protectors is recommended. Exhibit will NOT be labeled "Do Not touch."

Class: Theatre Arts I, Clown Character - Display illustrating a drawing/photograph of a clown character created by the exhibitor

Class: Theatre Arts I Picture Story - Display illustrating a picture story developed by the exhibitor.

Class: Theatre Arts III, Activities – Exhibit a portfolio of activities **for set design; make-up; or sound, props, or costuming** completed during the current year

Class: Theatre Arts III, Charts 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)

Class: Theatre Arts III, Scenic Model - Display a scenic design model to depict a scene from a script

Class: Theatre Arts III, Illustration – Exhibit a display illustrating a character with make- up drawn or colored in. Include a photograph of a person wearing the make-up and information on the character's personality or part in the play.

Class: Theatre Arts Innovation Class - **(Open to youth enrolled in Theatre Arts.)**
Demonstrate the skills and knowledge you have gained through Theatre Arts 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.

Class: 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.

Class: 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 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.

AWARDS:

Grand Champion Theatre Arts	Picture Trophy/Rosette
Reserve Grand Champion Theatre Arts	Rosette

TRACTOR
Superintendent – Chuck Coffey, Angie Einwich, Mark Einwich
Carol Koukol, Hank Koukol

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegates and two alternates may be chosen, if projects merit. Exhibits in this area are limited to a space of 2' wide and 15" deep. ALL items in the display should be affixed to the display board. NO additional items should be included.

Class: Tractor A, Starting U - 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 project manual.

Class: Tractor B, Tractor Operation - 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.

Class: Tractor C, Moving Out - 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.

Class: Tractor D, Learning More - 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.

Class: Tractor Innovation Class - (Open to youth 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. 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.

Class: 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.

Class: 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.

AWARDS:
Grand Champion Tractor	Rosette
Reserve Grand Champion Tractor	Rosette

Veterinary Science
Superintendents – Bonnie & Jennifer Kararo

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. One delegate and one alternate may be chosen, if projects merit. Exhibits in this area are limited to a space of 2' wide x 15" deep. Posters to be hung should be no larger than 22" x 30". All items in the display must be affixed to the display or poster board—no additional items should be included.

Class: Veterinary Science: (Open to youth in Veterinary Science 1, Veterinary Science 2, and Veterinary Science 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.

Class: 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.

Class: Vet 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.

AWARDS:

Grand Champion Veterinary Science	Picture Trophy/Rosette
Reserve Grand Champion Veterinary Science	Rosette

VIDEO/FILMMAKING
Superintendents – Kim Becker, Marilyn Becker, Ed Krause

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

Each county may submit three entries within this group of classes; however no more than one entry may be made in an individual class. Enrollment in the Video project is required to exhibit in the classes in this section.

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 the 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 on judging day so exhibitors will NOT need to bring a laptop or device for viewing.

Requirements that apply to ALL video classes:
Video submissions should be no longer than five (5) minutes in length (unless noted differently in class description.). Videos are to be original and a result of the member's current year's work. Criteria for judging 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 sources if appropriate. **All Video/Filmmaking exhibitors must include a printed copy of materials which will remain on display.**

Class: 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.

Class: 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.

Class: 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.

Class: Short Story or Short Narrative: Prepare a short video that tells a story. The video should demonstrate skills in making and editing video.

Class: Video/Filmmaking Innovation Class: (**Open to youth who were at least 13 years of age on 9/1/17.**) Demonstrate the skills and knowledge you have gained through the Video 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.

Class: 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.

Class: Video 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.

AWARDS:
Grand Champion Video	Rosette
Reserve Grand Champion Video	Rosette

Visual Arts

Superintendents – Anne Andersen, Mike Andersen, Kathleen Coffey, Mary Coffey, Anne Herrmann, Bob Herrmann, Katie Herrmann, Katie McKellar, Michelle Ochs, Mike Ochs

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection - One state fair delegate and one state fair alternate may be selected in each of the following classes: Paper, Fiber, Fiber Arts Non-Original for 8-10 year-olds only, Clay, Wood, Glass/Plastic, Metal, Nature, Computer-Generated Art, Three-Dimensional Design/Mixed Media, Heritage Arts, Scrapbooking, and Food Decorating; two entries in Chalk/Carbon/Pigment created on wood,

metal, or textiles; 2 entries in Chalk/Carbon/Pigment created on canvas, paper, or glass and one entry in the Visual Arts Ready4Life Challenge Class, providing exhibits merit.

Neither University of Illinois Extension/4-H nor the Kane County Fair Association will assume liability for loss or damage which may occur to artwork exhibited. All possible precaution will be taken to protect the exhibits.

Exhibitors must be enrolled in the Visual Arts project category in which they are exhibiting

NOTE: Stepping stones and painted rocks, are not acceptable in any Visual Arts exhibit class.

1. Articles exhibited are to be made by the exhibitor who is a participant in the Visual Arts projects. Articles must have been made during the current 4-H year (September 1, 2016 - July 19, 2017). Exhibitors are encouraged to 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.

2. Art pieces meant to be displayed on the floor must be able to fit through the doors of the 4-H Exhibit Hall. **Exhibitors should contact the Extension Office if a floor exhibit will take more than 3' of floor space.** Artwork or a total exhibit (i.e. multiple pieces) meant to be hung OR placed on a shelf is limited to a size of 30" high x 30" wide x 12" deep.

3. Original Articles (to be considered for State Fair): 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; this includes team or school logos. Kits and pre-formed molds are not considered original. Combining parts of different patterns (pictures, photographs, images from the internet, or a magazine) with the member's own ideas can result in an original design, but simply changing the color, pattern and/or size of a pattern does **NOT** make the design original. This also applies for ideas found on a site such as Pinterest. An exhibit that combines parts of different patterns and/or ideas with the concepts of the member will work, 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 the exhibit, firmly attached to the exhibit. Be prepared to explain how and where you got the idea for this project. Photos used as a source should be taken by the artist.

4. Non-Original Articles: (Refer to each class)

5. Judges have the right to make class changes.

6. Only one exhibit may be entered in each category. For example: If you enter an Original Paper Art article YOU MAY NOT enter a Non-Original Paper Art article.

7. Design Source - IF a photo, sketch, or other idea source was used, submit it to the judge. Be prepared to explain how and where you got the idea for this project. Photos used as a source should be taken by the artist.

-- VERY IMPORTANT --
8. All items must be properly prepared for exhibit. Items which are intended to be hung must be prepared for hanging. The hanging device must be sturdy enough to support the weight of the object. IF NOT, IT WILL BE LOWERED ONE RATING BY THE JUDGES.

9. Drawings and paintings should be matted and preferably framed, under glass. Oil and acrylic paintings on a stretched/prepared canvas or hanging board 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

10. Every exhibit will be critiqued in a discussion with a judge. The exhibitor MUST be present for this discussion.

11. 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 which takes into account correct use of design elements; craftsmanship; and creativity. All work on the quilt MUST be completed by the 4-H member. You cannot exhibit a quilt that was quilted by someone else.

Class: Food Decorating Beginning: **Cake** - Exhibit a single layer decorated cake, using a minimum of four different techniques. Exhibit may use cake OR cake form.

Class: Food Decorating Beginning: Cookies - Exhibit four decorated cookies, using a minimum of four different techniques. Exhibit may use cookies OR cookie forms.

Class: Food Decorating Beginning: **Cupcakes** - Exhibit four decorated cupcakes, using a minimum of four different techniques. Exhibit may use cupcakes OR cupcake forms.

Class: Food Decorating Intermediate: **Cake** - Exhibit a single layer or two-layer cake, using a minimum of five Level 2 techniques. Exhibit may use cake OR cake form.

Class: Food Decorating Intermediate: **Cookies -** Exhibit four decorated cookies, using a minimum of five Level 2 techniques. Exhibit may use cookies OR cookie forms.

Class: Food Decorating Intermediate: **Cupcakes** - Exhibit four decorated cupcakes, using a minimum of five Level 2 techniques. Exhibit may use cupcakes OR cupcake forms.

Class: 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.

Class: 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.

Chalk/Carbon/Pigment on Canvas, Paper, or Glass - Any original artwork 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. **Note: Please enter ORIGINAL painting on wood, metal, or textiles in Heritage Arts. PAINTED AND/OR GLAZED PRE-FORMED CERAMICS AND PAINTED PORCELAIN DOLLS ARE ONLY ELIGIBLE IN Non-Original Chalk/Carbon/Pigment.**

> **Class: Original Chalk/Carbon/Pigment on Canvas, Paper, or Glass**- State Fair eligible
> **Class: Non-Original Chalk/Carbon/Pigment** - made from a pattern, directions, copied from another print medium, mold, sample, etc. Not State Fair eligible.

Chalk/Carbon/Pigment on 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 State Fair exhibit. Any exhibits created as a piece of wall art must be prepared for hanging.

Class: Original Chalk/Carbon/Pigment on Wood, Metal, or Textiles – State Fair eligible
Class: Non-Original on Wood, Metal, or Textiles - made from a pattern, directions, copied from another print medium, mold, sample, etc. Not State Fair eligible.

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 corn starch clay will be accepted. Items can include, but are not limited to, clay statues, bowls, jewelry, etc. **PRE-FORMED CERAMICS ARE NOT ELIGIBLE FOR THE STATE FAIR, and belong in Non-Original Clay or Non-Original Chalk/Carbon/Pigment.**

Class: Original Clay - State Fair Eligible
Class: Non-Original Clay, made from a pattern, directions, mold, sample, etc. Not State Fair eligible.

Computer-Generated Art - 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. Photomosaics are NOT allowed. Color or black and white exhibits are acceptable. Exhibitors in this class (like all other classes in this section) must be enrolled in Visual Arts; computer project enrollment is not required. **Wood and metal exhibits created through the use of laser cutting programs/devices 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/device and is NOT designed to hang, it does not require protective covering nor does it need to be prepared to hang.

Class: Original Computer Generated Art - State Fair Eligible
Class: Non-Original Computer Generated Art - made from a pattern, directions, sample, etc. Exhibit may include scanned work, clip art, downloaded images from the internet, any imported image, or photographs. Not State Fair eligible.

Fiber— Any original item made of fiber. Examples are quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, wearable art, and duct tape artistry. All baskets and decorated textiles (such as painted shirts or stenciled clothing) should be entered in Heritage Arts. ORIGINAL cross-stitched, knitted or crocheted items belong in this Fiber class. Non-original cross-stitched, knitting and crocheted items should be entered in Class Heritage Arts. Machine knitted items are not appropriate for this class.

Class: Original Fiber Art - State Fair Eligible
Class: Non-Original Fiber Art other than knitting or crocheting. Fiber Art made from a pattern, directions, sample, etc. are non-original. Not State Fair eligible.

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.

Class: Visual Arts Fiber Non-Original AGES 8-10 ONLY

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 ARE NOT SUITABLE AS ENTRIES (i.e.**

LEGOS). Stepping stones or wall hangings that include cement decorated with glass or plastic items are not suitable for this class.

> **Class: Original Glass/Plastic** - State Fair Eligible
> **Class: Non-Original Glass/Plastic** - made from a pattern, directions, copied, sample, etc. Not State Fair eligible.

Heritage Arts — Any item of traditional art learned from another person or from a pattern (NO KITS) may be entered in this class. Cross-stitched, knitted and crocheted items by pattern must be entered 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), macrame, baskets, candles, pysanki (decorated eggs), leather, quilts from a traditional pattern, or traditional handmade dolls with handmade costumes. 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.

> **Class: Heritage Arts -** State Fair Eligible
> **Class: Non-Original Heritage Arts** – made from a kit. Not State Fair eligible

Metal — Any original item made of metal such as sculpture, tin punch, engraved metal, jewelry. Items intended for industrial use (as tools and/or shop items) are not considered part of this Visual Arts project and are not eligible for entry in this area. **Metal items that have been partially or totally created through the use of laser cutting programs/devices should be entered in the Computer Generated Art class.**

> **Class: Original Metal Art** - State Fair Eligible
> **Class: Non-Original Metal Art** - made from a pattern, directions, copied, sample, etc. Not State Fair eligible.

Nature — Any original item made of natural material such as wreaths, corn husk dolls, etc. Items should be made of NATURAL materials (which may be purchased) but 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 AS ENTRIES.**
Baskets should be entered in Heritage Arts.

> **Class: Original Nature** - State Fair Eligible
> **Class: Non-Original Nature** - made from a pattern, directions, sample, etc. Not State Fair eligible.

Paper— Any original item made of paper. Examples could include: origami, greeting cards; paper-cut designs, paper mache, handmade paper, paper collage, paper models of architecture, quilling. Paper twist articles, made from directions in craft books and stores **ARE NOT** original and **DO NOT** belong in the original class. Scrapbooks should be exhibited in *Scrapbooking* class.

> **Class: Original Paper Art -** State Fair Eligible
> **Class: Non-Original Paper Art,** made from a pattern, directions, sample, picture, etc. Not eligible for the State Fair.

Scrapbooking, Beginning - Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 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 embellishments and tell a story with pictures.

> **Class: Original Scrapbook** - State Fair Eligible
> **Class: Non-Original Scrapbook** - made from a pattern, directions, copied, sample, etc. Not State Fair eligible.

Scrapbooking, Intermediate - Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 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 embellishments and tell a story with pictures and journaling.

> **Class: Original Scrapbook** - State Fair Eligible
> **Class: Non-Original Scrapbook** - made from a pattern, directions, copied, sample, etc. Not State Fair eligible.

Scrapbooking, Advanced - Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 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.

> **Class: Original Scrapbook** - State Fair Eligible
> **Class: Non-Original Scrapbook** - made from a pattern, directions, copied, sample, etc. Not State Fair eligible.

Three Dimensional Design of Mixed Media – Art pieces in this class must be comprised of **at least three different media**. No one 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.

> **Class: Three Dimensional Design/Mixed Media –** State Fair Eligible
> **Class: Non-Original Three Dimensional Design/Mixed Media –** Not State Fair Eligible

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 not be entered in visual arts. Popsicle stick crafts are not acceptable. 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. **Wood items that have been partially or totally created through the use of laser cutting programs/devices should be entered in the Computer Generated Art class.**

Class: Original Wood Art - State Fair Eligible
Class: Non-Original Wood Art, made from a pattern, directions, sample, etc. Not State Fair eligible. (Example of non-original wood art – wood-burned copy of picture.)

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.

Class: Visual Arts Maker (SF 50400)
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.

Awards:
If projects merit, class Champion ribbons will be awarded for each class, original and non-original.

If projects merit, fifteen (15) picture trophies along with grand champion rosettes will be awarded to the best overall original exhibits. Additionally, if projects merit, fifteen (15) reserve grand champion rosettes will be awarded to original exhibits.

WEATHER
Superintendent – John McCafferty

Tuesday, July 16
Check-In 1:30-5:30 p.m.

Conference Judging 2:00-6:00 p.m.This project area is eligible for state fair selection. One delegate and one alternate may be chosen, along with one delegate and one alternate Ready4Life exhibit if projects merit.
Exhibits in this area are limited to a space 3' x 3'.

Class: Weather and Climate Science I
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.

Class: Weather and Climate Science 2
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.

Class: Weather and Climate Science 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.

Class: 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.

Class: 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.
- 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**

WELDING
Superintendents – Chuck Coffey, Angie Einwich, Mark Einwich
Carol Koukol, Hank Koukol

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegates and two alternates may be chosen, if projects merit. Exhibits in this area are limited to a space 3' x 3'. Exhibits must be portable and cannot be exhibited on a trailer.

Class: Welding – This class is open to exhibitors who are in grades 7-12. Exhibit one (1) Arc 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 the *Arcs and Sparks (Shielded Metal Arc Welding)* project book. 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.

Class: 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.

Class: 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.

AWARDS:

Grand Champion Welding	Rosette
Reserve Grand Champion Welding	Rosette

WOODWORKING
Superintendents –Chuck Coffey, Angie Einwich, Mark Einwich
Carol Koukol, Hank Koukol

Tuesday, July 16
Check-In 1:30-5:30 p.m.
Conference Judging 2:00-6:00 p.m.

This project area is eligible for state fair selection. Two delegates and two alternates may be chosen, if projects merit. Woodworking exhibits must be no wider than 6' in size. Exhibits must be portable and cannot be exhibited on a trailer. **Exhibitors MUST contact the Extension Office if the exhibit will take more than 3' x 3' of floor space.**

Class: Woodworking I, Measuring Up – Using the plans in your project book, exhibit a *Flower Box*.

Class: Woodworking I, Measuring Up – Using the plans in your project book, exhibit a *Napkin* **or** *Letter Holder*.

Class: Woodworking I, Measuring Up – Using the plans in your project book, exhibit a *Picture Frame*.

Class: Woodworking I, Measuring Up - Exhibit any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable.

Class: Woodworking II, Making the Cut - Using the plans in your project book, exhibit a *Napkin or Letter Holder*.

Class: Woodworking II, Making the Cut – Using the plans in your project book, exhibit a *Birdhouse*.

Class: Woodworking II, Making the Cut – Using the plans in your project book, exhibit a *Footstool*.

Class: Woodworking II, Making the Cut - Exhibit any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable.

Class: Woodworking III, Nailing It Together – Using the plans in your project book, exhibit a *Bookcase*.

Class: Woodworking III, Nailing It Together – Using the plans in your project book, exhibit a *Jigsaw Puzzle*.

Class: Woodworking III, Nailing It Together – Using the plans in your project book, exhibit a ***Box of Many Uses***.

Class: Woodworking III, Nailing It Together - Exhibit any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable.

Class: Woodworking IV, Finishing Up - Using the plans in your project book, exhibit a ***Step Stool/Chair***.

Class: Woodworking IV, Finishing Up - Using the plans in your project book, exhibit a ***Table Top Hockey Game***.

Class: Woodworking IV, Finishing Up – Exhibit any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable.

Class: 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.

Class: 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 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.

AWARDS:

Grand Champion Woodworking	Picture Trophy/Rosette
Reserve Grand Champion Woodworking	Rosette