

Dear 4-H'er,

**This fair book is currently in draft form. We are preparing to return to in-person events, as long as local conditions, IDPH guidelines, local health department, and University of Illinois policy allow. Due to the evolving nature of COVID-19, we are unable to release a fair schedule at this time. Any dates listed in the 4-H newsletter and fair book are tentative. Please use this draft fair book to begin reviewing project requirements.**

We're looking forward to the 2021 season! As Warren County 4-H staff plan for the 2021 show and event season, our top priority will continue to be the safety of all involved, combined with a commitment to creating positive youth development experiences for our 4-H members.

If current local conditions are conducive to in-person events, the opportunity for face-to-face judging for Warren County will require that all participants, spectators, and volunteers adhere to Illinois 4-H event guidelines.

The following COVID-19 social distancing and safety practices reflect requirements of the Illinois Department of Public Health and University of Illinois event guidelines. **These mitigation protocols also may be modified to reflect any requirements of the local public health department based on local conditions at the time of the event.**

1. Face coverings are required for all youth, spectators, volunteers, and staff when within the defined 4-H event space (inside or outside)
2. Everyone in attendance will practice social distancing during the event, including maintaining six feet of separation (both indoors and outdoors) from those who are not in their households. To allow for social distancing, building and spectator capacity may be limited based on current public health department guidelines.
3. Handwashing and sanitizing stations will be provided throughout the venue.
4. Anyone who has experienced COVID-19 symptoms within the previous seven days is asked to stay home. COVID-19 symptoms include fever, cough, loss of taste or smell, or shortness of breath.

If any of these guidelines presents a challenge for you, please contact us at our office, or Lisa Torrance directly at 309-333-2501. We are happy to discuss what accommodations are possible so that we can look for ways that all youth can safely participate in this event.

As excited as we are about the possibility of stepping back into face-to-face judging, we also recognize that this is a continually evolving situation. Illinois 4-H reserves the right to adjust or cancel events in the case of identified risk, such as changes in local COVID conditions or known instances of non-compliance with safety guidelines.

We truly are stronger together. With your help, we look forward to a safe and successful summer!

Yours in 4-H,  
Jill Cook, 4-H Extension Program Coordinator,  
Shelby Carlson, 4-H Youth Development Educator,  
Lisa Torrance, County Extension Director



# Warren County 4-H Fair



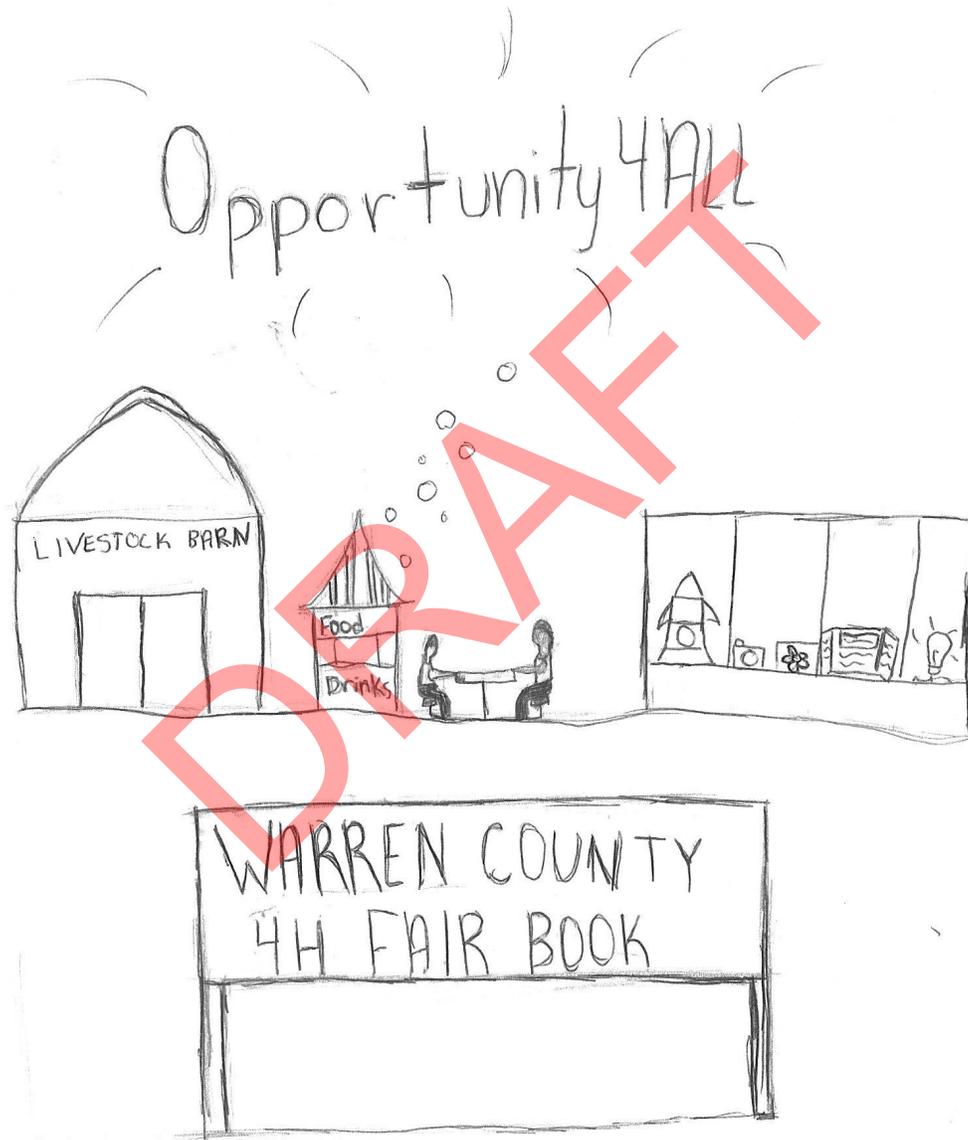
**\*\*\* All dates and times are tentative and subject to change. \*\*\*  
Information subject to change to accomodate COVID mitigations.**

**General Project Show & Dog/Cat Care: June 26  
Warren/Henderson Farm Bureau Auditorium**

**Dog Obedience: July 27  
Henderson County Fairgrounds Stronghurst, IL**

**4-H Horse Show: July 26  
Henderson County Fairgrounds - Horse Arena**

**Livestock Show: July 21 & 22  
Warren County Fair Grounds Roseville, IL**



**Cover Designed By: Kailee McGraw, Cameron Kids**



**Illinois Extension**  
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

## Warren County 4-H Clubs & Leaders

### Backcountry Braves

Joyce Brandon  
Jennifer Douglas

### Happy Hustlers

Amy Quinn  
Lynn Shimmin

### Cameron Kids

Marge Hennenfent  
Stephanie Sims

### Happy Hustlers Cloverbuds

Robin Corzatt

### Cameron Kids Tagalongs (Cloverbuds)

Tammy Walters

### Willing Workers

Amy Brooks  
Tammi Grohmann

### Willing Workers Cloverbuds

Patty Keenan

## Livestock & Animal Superintendents

Beef – Kendall Shimmin

Bucket Calf & Dairy Cattle– Kodiak Shimmin

Goats & Sheep – Editha Ray & Madison Corzatt

Swine – Lynn Shimmin

Horses – Sara Evans Brown

Poultry & Rabbits – Randi Shimmin

Dogs – Matt Greenlief

## 2020-21 Unit #10 Extension Council

Karen Cole (H), Krissy Conklen (W), Olivia Diaz (W), DeVone Eurales (K), Dr. Shelby Henning (M), Dr. Kishor Kapale (M), Patrick King (K), Nancy Kucharz (H), Marty LaFary (H), Gina Long (W), Mary Mowen (W), Joey Range (K), Blake Rappenecker (K), Gail Russell (H), Mary Ann Severs (M), Erica Smith (M), Blake Sullivan (M), Bobbie Tapscott (H), Emma Wohlstadter (W), Angel Wright (K)

## Extension Staff

County Extension Director – Lisa Torrance

4-H Youth Development Educator – Shelby Carlson

4-H Program Coordinator – Jill Cook

Office Support Assistant – Diana Dugan

For more information about 4-H or how to join, please contact the  
Warren County Extension office at (309) 734-5161 or email [jillcook@illinois.edu](mailto:jillcook@illinois.edu)



**Illinois Extension**  
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN



College of Agricultural, Consumer & Environmental Sciences  
University of Illinois, U.S. Department of Agriculture, and Local Extension Councils Cooperating  
University of Illinois Extension provides equal opportunities in programs and employment.  
If you need a reasonable accommodation to participate, please contact your local extension office.  
Early requests are strongly encouraged to allow sufficient time for meeting your access needs.

# 2021 Fair Book Cover Designs Submitted

Thank you to all the 4-H members who submitted a design for the contest.



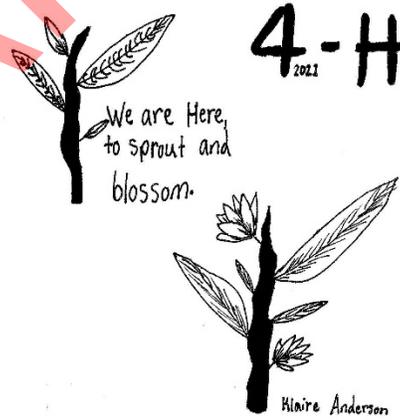
**Designed By:**  
**Jaclynn Cairns, Cameron Kids**



**Designed By:**  
**Drew Cairns, Cameron Kids**



**Designed By:**  
**Charlie Thurman, Willing Workers**



**Designed By:**  
**Klaire Anderson, Willing Workers**

## 4-H Code of Conduct and Consequences

The opportunity to participate in or attend 4-H activities is a privilege and not a right. All 4-H participants – youth, families, volunteers, and Extension staff – who participate in or attend any activity or event sponsored by the University of Illinois Extension, 4-H Youth Development Program are expected to uphold the values of the Illinois 4-H program and conduct themselves according to the following standards. These standards also apply to online 4-H activity, including social media and internet presence.

1. Create a Welcoming Environment for All. Encourage everyone to fully participate in 4-H. Recognize that all people have skills and talents that can help others and improve the community. Though we will not always agree, we must disagree respectfully. When we disagree, try to understand why. Our first priority is to create a safe, inclusive space for learning, sharing and collaboration that is welcoming to people from diverse backgrounds, cultures, and perspectives. Diversity includes, but is not limited to: race, color, religion, political beliefs, national or ethnic origin, immigration or citizenship status, sex, gender identity and expression, transgender status, sexual orientation, age, marital or family status, educational level, learning style, pregnancy, physical appearance, body size, and individuals with disabilities.

2. Bring Your Best Self. Conduct yourself in a manner that reflects honesty, integrity, self-control, and self-direction. Accept the results and outcomes of 4-H contests with grace and empathy for other participants. Accept the final opinions of judges and evaluators. Be open to new ideas, suggestions, and opinions of others.

3. Obey the Law. Commit no illegal acts. Do not possess, offer to others, or use alcohol, illegal drugs, or tobacco products, which include e-pens, e-pipes, e-hookah, e-cigars, JUULs, vapes, vape pens or other electronic nicotine delivery systems. Do not possess or use weapons or firearms except as expressly permitted as part of supervised 4-H shooting sports programming. Do not attend 4-H activities under the influence of alcohol or illegal substances.

4. Honor Diversity – Yours and Others'. Respect and uphold the rights and dignity of all persons who participate in 4-H programs.

5. Create a Safe Environment. Do not carelessly or intentionally harm or intimidate anyone in any way (verbally, mentally, physically, or emotionally). Do not engage in romantic displays or sexual activities in either public or private situations. Be kind and compassionate toward others. Do not insult, harass, or bully others or engage in other hostile behaviors. Be considerate and courteous of all persons and their property.

6. Be a Team Player. Work cooperatively with all individuals involved in 4-H programs and activities. Be responsive to the reasonable requests of the person in charge. Respect the integrity of the group and the group's decisions.

7. Humane Treatment of Animals. Treat animals humanely and teach 4-H youth to provide appropriate animal care.

8. Participate Fully. Participate in and contribute to planned programs, be on time and follow through on assigned tasks/responsibilities in a manner that fosters the safety, well-being, and quality of the educational experience for self and others. Have fun!

9. Watch What You Wear. Use good judgment. Wear clothing suited for the activity in which you will participate. Dress in a manner that is respectful to yourself and others. Clothing that displays or promotes violence, obscenity, illegal activities, discrimination, or intimidation is prohibited. Do not wear revealing clothing, such as short skirts or shorts, midriff-baring tops, or anything showing undergarments.

10. Be a Positive Role Model. Act in a mature, responsible manner, recognizing you are role models for others and that you are representing both yourself and the University of Illinois Extension 4-H Youth Development Program. Be responsible for your behavior, use positive and affirming language, and uphold exemplary standards of conduct at all 4-H activities.

#### BEHAVIORS THAT MAY RESULT IN REMOVAL FROM ACTIVITY

The University of Illinois Extension reserves the right to restrict participation in future activities for those individuals who have been removed from an activity for any behavior outlined in Category 1 or 2. In all cases, the participant will be responsible for restitution of any damages incurred by his/her actions.

##### Category 1

a) Possession, use, or distribution of alcohol and other drugs, and tobacco products which include e-pens, epipes, e-hookah, e-cigars, JUULs, vapes, vape pens or other electronic nicotine delivery systems.

\*Prescription drugs must be listed on an Emergency Medical Information form.

b) Theft or destruction of public or private property.

c) Involvement in sexual misconduct or harassment.

d) Possession or use of dangerous weapons or materials (including fireworks).

e) Fighting or other acts of violence, actual or implied, that endanger the safety of the participant or others.

##### Category 2

a) Willfully breaking curfew.

b) Unauthorized use of vehicles.

c) Leaving the site of the event.

d) Participation in gambling.

e) Absence from the planned program.

f) Intentionally interfering with or disrupting the event.

g) Use of profane or abusive language.

h) Disregard for public or personal property.

i) Public displays of affection or inappropriate actions.

j) Failure to comply with direction of Extension personnel, including designated adults acting within their duties and guidelines.

#### Category 1 Consequences

1. When notified of any of the actions listed under Category 1, the adult in charge will ascertain the relevant facts and, with concurrence from the U of I Extension staff, will notify the affected participant of the action and any supporting evidence. The participant will be allowed an opportunity to answer the allegations and, if necessary, law enforcement officials will be notified. While facts are being verified, the participant will be removed from the 4-H activity/event and be under direct supervision of an adult chaperone.
2. The parent or guardian will be notified of the behavior and must make arrangements for removal of the participant from the activity, at the parent's or guardian's expense.
3. Documentation must be completed on an "Incident Report Form."

#### Category 2 Consequences

1. When notified of any of the actions listed under Category 2, the adult in charge will ascertain the relevant facts and, with concurrence from the U of I Extension staff, will notify the participant of the action and any supporting evidence. The participant will be allowed an opportunity to answer the allegations and, if necessary, law enforcement officials will be notified. While facts are being verified, the participant will be removed from the 4-H activity/event and be under direct supervision of an adult chaperone.
2. The parent or guardian of the participants who violate curfew, use vehicles without authorization, or leave the site of the event (as outlined in Category 2, letters a, b, c) will be notified of the actions by the participant. The parent or guardian must immediately remove the participant from the activity, at the parent's or guardian's expense. Participants who exhibit conduct as described in Category 2, letters d-j, will receive a verbal and written warning (initialed by the adult and the participant). Upon receiving a second warning, the parent or guardian will be notified of the behavior and must make arrangements for removal of the participant from the activity, at the parent's or guardian's expense.

## 4-H GENERAL PROJECT SHOW INFORMATION

- ✿ 4-H Show Entry will be available to each exhibitor in the Fair Entry system. Please read the Fair Book sections carefully for exhibit requirements and class limits. It is the 4-H member's responsibility to be aware of changes to exhibit requirements and to exhibit their projects according to class requirements.
- ✿ There are no entry fees for 4-H exhibition.
- ✿ All decisions made by project judges are final.
- ✿ Read and follow the 4-H Fair Book instructions carefully. Exhibits not properly displayed will receive a lower rating and a possible disqualification.
- ✿ If you need a reasonable accommodation to participate in the General Project Show, please contact 4-H Program Coordinator, Jill Cook, via email at [jillcook@illinois.edu](mailto:jillcook@illinois.edu) or (309) 734-5161. Written requests may be mailed to the University of Illinois Extension, Warren County, 1000 N. Main St. PO Box 227, Monmouth, IL 61462. Requests should be made at least two weeks prior to the event.

### General Rules

1. Any exhibitor who is currently enrolled as a 4-H member in Warren County may participate in 4-H classes, providing the exhibitor has complied with the rules and deadlines set forth for Warren County 4-H. A list of all 4-H members in good standing is on file in the Extension Office in Monmouth.
2. Exhibitors must be enrolled by March 1 of the current year in the project in which they are exhibiting.
3. All entries in the General Project Show must be products of the current 4-H year (September 1, 2020-present).
4. General Show exhibit entries are due by **May 28**. Entries should be made online in the Fair Entry system. 4-H Entries that are not registered in the online system by **11:59pm on May 28** will not be accepted. Faxed, emailed or mailed paper entries are not guaranteed to be received; therefore, is NOT acceptable and will not be considered as registration. Call the office with questions prior to the deadline.
5. Any 4-H member enrolled in general projects can exhibit one entry in each *project category* unless otherwise stated in the rules for that project area (i.e. 1 Horticulture & 1 Floriculture exhibit).
6. General projects can be checked in **TBA**. Exhibit tags must be on the projects and on the 4-H judging tables prior to 8:45 a.m. The location of exhibits will be posted on each table.
7. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. Extension Staff reserves the right to not display exhibits deemed inappropriate for youth audiences. Items deemed potentially dangerous to fair-goers may be removed from the exhibit.
8. It is the exhibitor's responsibility to see that exhibits are properly entered and that tags are filled out and securely attached to the exhibits. Items that are not attached to a display should be labeled with the exhibitor's name.
9. Exhibits entered that do not follow directions as stated in the *2021 4-H Fair Book* will be lowered by one rating. Exhibits entered in the wrong class may not be judged and may not receive a premium. **If you are not sure if you are entered in the correct class, contact the Extension Office for direction.**
10. **Ready4life Classes (Career & Entrepreneurship Exploration)** are only for members 11 to 18-year-olds (based on 4-H age, as of September 1, 2020).
11. 4-H members are required to be with their exhibits for conference judging unless Rule #13 is followed. If the 4-H member is not present for judging and an **Absentee Exhibitor Form** is not attached to the exhibit, the exhibit will not be judged and is not eligible to receive an award or premium.
12. Absentee Exhibitor Rules:
  - a. If you are unable to attend the 4-H General Project Show you must fill out an Absentee Excuse Form

ahead of time, stating a valid reason for not being present. **The exhibitor, a parent/guardian, and the exhibitor's 4-H leader must sign this form. Completed forms MUST be in the Extension Office by June 11.**

- b. An Absentee Exhibitor Form must be attached to each exhibit. Answer all questions thoroughly in your own words. Answers may be printed or typed. Please be sure all signatures are filled in on each form.
  - c. Absentee Excuse Forms and Absentee Exhibitor Forms are available from the Warren County Extension Office in Monmouth, and it is the responsibility of each exhibitor to procure these forms in a timely manner.
13. We will no longer provide car passes to sell to exhibitors for State Fair. Exhibitors will be able to purchase parking around the edge of the fairgrounds or purchase public parking the day of their exhibition. We WILL offer limited entry tickets for people. Sunday prices are \$5. Drop off passes are available for members with large projects. Please contact the office if you need a drop off pass.

DRAFT



## CONFERENCE JUDGING



**Blue - Meets the standards**   **Red - Needs improvement**

**White - Needs much improvement**

It's scary to have a judge grade something you've made. You may be afraid the judges will be looking for mistakes, that they will laugh at you or not believe you. These ideas are not true.

4-H judges grade your project against what a "perfect" exhibit should look like. If your exhibit has the same quality as that one, it gets a Blue Ribbon. If it needs some improvement to obtain the same quality, the project scores a red rating and gets a Red Ribbon. If it needs much improvement to meet the same quality, the project scores a white rating and gets a White Ribbon.

The judges are not grading YOU. It is the exhibit that gets the blue, red, or white rating and ribbon. You are not a "white ribbon kid" just because your exhibit gets a white rating.

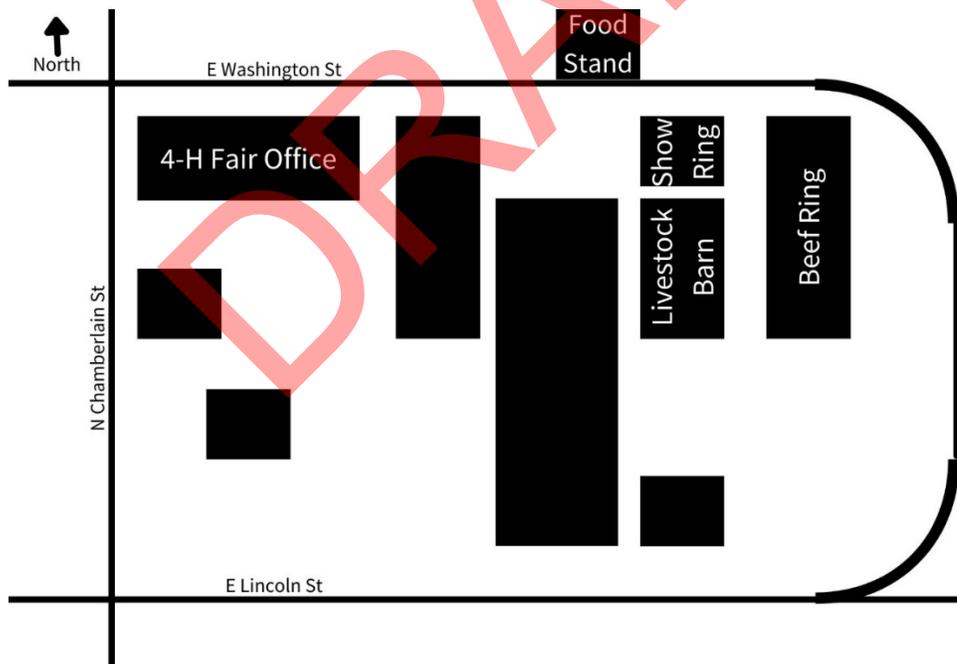
To help the judges grade the exhibit fairly, you will answer questions about the exhibit as it is judged. This is called **conference judging**. It is important to communicate exactly how you made the exhibit to the judges. Some questions you may be asked are:

- What steps did you follow to make the exhibit?
- What tools did you use?
- What ingredients did you use?
- Did you get help from anyone? (It's OK if you did. Lots of times we need an adult to help us on the hard or dangerous parts.)
- What did you learn from the project?
- What might you do next year to improve in this project?

Even though this public presentation is only with one or two judges and their helpers, think of it as a speech. Speak clearly and plainly so that the judges can hear you. RELAX. The judges will not try to trick you. The questions help the judges to understand how much you know about the project and what you have learned from the project. State your answers directly and tell them all that you can to answer the question. Don't be afraid to say, "I don't know." It is important, as with any form of communication, to be HONEST.

## County 4-H Fair Premium Information

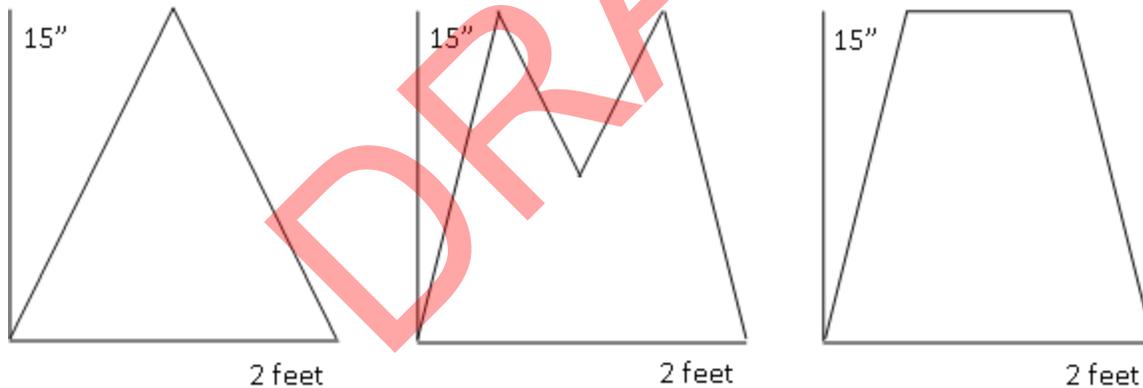
1. Premiums will be distributed when the unit receives the monies from the agriculture premium fund. Total premium money available is determined and allocated by the Illinois Department of Agriculture.
2. All 4-H exhibits entered, according to class requirements and adhering to the 4-H General Project Show Information and Rules, will be judged and premium money will be divided according to an X factor, proportionately, on a Blue, Red, or White basis.
3. The 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 Fair Book.
4. **Agricultural Premium Fund (APF):** Under the Illinois Agricultural Fair Act, SUBPART C, known as the 4-H Fund, University of Illinois Extension units are eligible to participate and receive funding for one (1) cash premium per class. Premium-eligible youth are 4-H members 8-18 years of age as of September 1, 2020 and are enrolled in the 4-H online system. Cloverbud projects are not premium-eligible due to age of members. Counties are not required to pay premiums until the funds are released from the IL General Assembly.
5. **Tax Implications for Prizes, Gifts or Awards:** Program Participants (including minors) will be required to provide their social security number or foreign national tax ID number prior to receiving a prize, gift or award to ensure proper IRS reporting as required by law. This sensitive information is kept confidential and handled through security protected software (PEAR). Participants will not be eligible for prize, gift or award if social security or foreign national tax ID information is not provided.



Map of Warren County Fairgrounds Roseville, IL

## How to Make a Poster or Display

1. Have one idea or theme in mind for the display or poster.
2. Use pictures or art work that add to the theme.
3. Keep it simple, but provide enough information to make the theme clear to people.
4. Do not crowd too many words or pictures on the poster.
5. Print neatly and use large letters, stencils or print from a computer.
6. Use dark ink/lettering on light poster board or light lettering on dark poster board.
7. You may use different colors of ink to add interest but too many colors give a cluttered look.
8. Read EACH class description carefully for maximum size limits for exhibits. Some classes have a size limitation and others do not. Choose a display size which is most appropriate for the exhibit you are bringing. Larger does not always mean better; use good judgement in creating your exhibit.
9. If additional items are included with the display that are not attached, label each item with your name so they do not get separated or misplaced during the fair.
10. A display may include one or more posters standing separately or hinged together. The diagrams below show three different patterns as viewed from the top.



### IMPORTANT!

Read **ALL** information for **ALL** classes you are exhibiting in.  
Changes may have been made from previous years.



## 4-H GENERAL PROJECT SHOW CLASSES



- ✓ Indicates the project is eligible for State Fair selection. There may be changes from last year's fair. You are responsible for reading all information in each class you choose to exhibit in.
- 

### AEROSPACE

✓ **Aerospace 2 Model Rocketry** (SF 50130)

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 rocket will not be launched. Attach the printed directions for construction of the rocket if any were used.

✓ **Aerospace 2 Aerospace Display** (SF 50131)

Prepare a display related to the aerospace project that 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 that you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

✓ **Aerospace 3 Model Rocketry** (SF 50130)

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 rocket will not be launched. Attach the printed directions for construction of the rocket if any were used.

✓ **Aerospace 3 Aerospace Display** (SF 50131)

Prepare a display related to the aerospace project that 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 that you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

✓ **Aerospace 4 Model Rocketry** (SF 50130)

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 rocket will not be launched. Attach the printed directions for construction of the rocket if any were used.

✓ **Aerospace 4 Aerospace Display** (SF 50131)

Prepare a display related to the aerospace project that 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 that you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

✓ **Aerospace Ready4Life Challenge** (SF 50133)

**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.

## **BEEF**

See Beef show information on page 63.

✓ **Beef Animal Science** (SF 50135)

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

✓ **Animal Science Beef Ready4Life Challenge** (SF 50137)

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

## **BICYCLE** Not eligible for State Fair.

### **Bicycle 1**

Exhibitors will draw three situations from a bag that relate to activities from Level 1 and discuss/explain all three with the judge. Situations may include: selecting bicycle safety equipment; demonstrate how to fit a helmet; identify bike parts and their function; selecting the right size bike; how to check bicycle tires, brakes and chains; recognizing traffic signs and their meaning; general discussion of bicycling hazards; and items to consider when planning a bike trip.

### **Bicycle 2**

Exhibitors will draw three situations from a bag that relate to activities from Level 2 and discuss/explain all three with the judge. Situations may include: factors to consider when choosing a bike; comparing tire pressure, valve type and tread; steps in fixing a flat tire; steps to follow when cleaning, lubricating and replacing a bike chain; evaluating the braking system on a bicycle; factors to consider when mapping out a bike route; rules for smart bike riding; and planning a menu for an all-day bike ride.

### **Bicycle Ready4Life Challenge**

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

# CAT

See Cat show information on page 65.

✓ **Cat Animal Science** (SF 50135)

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

✓ **Animal Science Cat Ready4Life Challenge** (SF 50137)

**Open to 11- to 18-year-olds enrolled in any Cat 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.

## CHILD DEVELOPMENT

✓ **Child Development** (SF 50141)

Prepare a display that demonstrates the skills and knowledge you have gained studying child development. Topics might include, but are not limited to, selecting age appropriate toys and activities, explaining child behavior, or recognizing child safety concerns. 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. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

✓ **Child Development Ready4Life Challenge** (SF 50142)

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

## CIVIC ENGAGEMENT **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

✓ **Civic Engagement 1** (SF 50145)

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

✓ **Civic Engagement 2** (SF 50146)

Exhibit a display illustrating one of the following options: 1) your neighborhood; 2) how you were a good neighbor or led a service project for your community; **OR** 3) a Citizenship Challenge that you helped organize and lead (see the project book for details). **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

✓ **Civic Engagement 3** (SF 50147)

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

✓ **Civic Engagement Ready4Life Challenge** (SF 50149)

**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.

**Service Learning 1** (not eligible for state fair)

Exhibit a binder portfolio to reflect what the exhibitor accomplished in the four steps of service learning. If exhibitor has been enrolled in project for multiple years, the binder portfolio should include previous years' work. Use of page protectors is recommended.

**Service Learning 2** (not eligible for state fair)

Exhibit a binder portfolio to reflect what the exhibitor accomplished in the four steps of service learning. If the exhibitor has been enrolled in the project for multiple years (including Service Learning 1), the binder portfolio should include the previous years' work. Use of page protectors is recommended.

**Service Learning 3** (not eligible for state fair)

Exhibit a binder portfolio to reflect what the exhibitor accomplished in the four steps of service learning. If the exhibitor has been enrolled in the project for multiple years (including Service Learning 1 & 2), the binder portfolio should include the previous years' work. Use of page protectors is recommended.

## **CLOTHING & TEXTILES**

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 as the garment will be reviewed by the judges for construction first. Exhibitors will be asked to change into the garment as the second step of the judging process. 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. Exhibit tags should be attached to the garment, not to the hanger.

Members wishing to exhibit knitted items should enroll in Visual Arts Fiber (if original) or Heritage Arts (if made from a pattern). Members who enroll in Clothing & Textiles with the intent of pursuing quilting can exhibit in the non-clothing exhibit category in STEAM Clothing 1—FUNdamentals. Quilts exhibited in the Clothing & Textiles area will be judged using a rubric that evaluates the sewing skills and construction of the item. All work on the quilt **MUST** be completed by the 4-H member. You cannot exhibit a quilt that was quilted by someone else. Quilts can be hand **OR** machine quilted as long as **ALL** work is completed by the exhibitor.

### **CLOTHING: STEAM**

✓ **STEAM Clothing 1 – FUNdamentals** (SF 50151a, 50151b, 50151c)

Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

- ✓ **Non-Sewn Exhibits** (SF 50151a) Exhibit one of the following:
  - 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 the project manual for portfolio formatting.
  - Fabric Textile Scrapbook – Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in the 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.
  - 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** (SF 50151b) Exhibit one of the following:

- Pillowcase
- Simple Pillow – no larger than 18" x 18"
- Bag/Purse – no zippers or button holes
- Other non-clothing item using skills learned in project manual

- ✓ **Sewn Clothing Exhibits** (SF 50151c) Exhibit one of the following:

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

- ✓ **STEAM Clothing 2 – Simply Sewing** (SF 50152a, 50152b, 50152c)

Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

- ✓ **Non-Sewn Exhibits** (SF 50152a) Exhibit one of the following:

- 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.
- Expanded Textile Science Scrapbook – Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in the 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 40-82, for fabric science experiments.
- 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.
- 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** (SF 50152b) Exhibit one of the following:

- 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.

- Non-clothing item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

✓ **Sewn Clothing Exhibits** (SF 50152c) Exhibit one of the following:

- 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.
- 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** (SF 50153a, 50153b, 50153c)

Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

✓ **Non-Sewn Exhibits** (SF 50153a) Exhibit one of the following:

- 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.
- Expanded Textile Science Scrapbook – Must include at least 10 different textile samples. Use Textile Information Cards template on page 29 in the 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 39-52, for fabric science experiments.
- Advanced Entrepreneurial Sewing – Using knowledge gained in project manual, Chapter 5, display one sample product with a business plan that includes a business ID and logo. The exhibit may be a notebook, poster or small display.

✓ **Sewn Non-Clothing Exhibit** (SF 50153b) Exhibit one of the following:

- 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.
- Non-clothing item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

✓ **Sewn Clothing Exhibit** (SF 50153c) Exhibit one of the following:

- 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.
- 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, suit, evening gown or sport outfit.

## CLOTHING: SHOPPING

Exhibit one of the following options that align with the Shopping in Style level. If a garment is part of the 4-H exhibit, exhibitors should put the garment on PRIOR to their judging time.

Shopping in Style: Members are encouraged to spend more than one year involved in this project so they have time to learn what clothing styles look best on them while they also gain skills in building a versatile wardrobe and staying within their budget. Each year enrolled in Shopping should build on the previous year's learning experience.

✓ **Shopping in Style** (SF 50154)

**Beginning** – Choose one of the following activities from Unit 1 or Unit 2 of the project book:

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

✓ **Intermediate** – Choose one of the following activities from Unit 3 or Unit 4 of the project book (SF 50155):

- 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. **OR**
- 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. **OR**
- 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. **OR**
- Exhibit should include garment you purchased along with a poster or report that 1) describes a cost comparison of this item completed by the exhibitor when purchasing the garment; should include variety of shopping options and/or price tracking at stores over a period of time; **OR** 2) provides a quality comparison rating the specific clothing item purchased based on care, construction, cost and unique features; should include construction quality details, design features that influenced selection, cost per wearing, and garment care.

✓ **Advanced** – Choose one of the following activities from Unit 5 or Unit 6 of the project book (SF 50156):

- 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. **OR**
- Exhibit should include garment you purchased which you have repaired or altered along with a poster or report that provides a clothing inventory list which includes cost savings for repaired items as compared to purchasing replacement garments.
- Exhibit should include multiple garments you purchased along with a poster or report that provides plans and commentary for a fashion show that would capture the attention of an audience. Fashion show plans should identify target audience, include show venue, purpose of the show, and logistical plan for the fashion show. This should also include a financial plan. Exhibitor should be prepared to demonstrate modeling skills.

✓ **Sewing & Textiles Ready4Life Challenge** (SF 50157)

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

# COLLEGE & CAREER READINESS

## ✓ **Build Your Future** (SF 50365)

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 the previous year's learning experiences.

- **First Year** – Complete a minimum of Activities 1-4 from the Build Your Future project manual which includes: Skills...Choices...Careers; Making Career Connections; Build Your Future Through Portfolios; and Education Pay\$.
- **Second Year** – Complete a minimum of Activities 5-7 from the Build Your Future project manual which includes: Career FUNds; Turn Your 4-H Passion Into Profit; and Pounding the Pavement.
- **Third Year** – Complete a minimum of Activities 8-9 from the Build Your Future project manual which includes: Putting the Pieces Together: Goals for the Future; and Pathways to Success.

## ✓ **College & Career Ready4Life Challenge** (SF 50366)

**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.

# COMMUNICATIONS

## ✓ **Communications 1** (SF 50368)

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

## ✓ **Communications 2** (SF 50368)

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

## ✓ **Communications 3** (SF 50368)

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

## ✓ **Creative Writing** (SF 50367)

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

- **Rhymed Poetry** – An interpretation of a subject in rhymed verse. Submit a collection of three poems.
- **Free Style Poetry** – An interpretation of a subject in unrhymed verse. Submit a collection of three poems.
- **Short Story** – A fiction piece comprised of three basic elements: a theme, a plot and characters. Submit one story, maximum length: 2,000 words.
- **Essay** – A short nonfiction composition in which a theme is developed or an idea is expressed. Submit one essay, maximum length: 500 words.

- **Feature Story** – Nonfiction human-interest story judged on interest to readers, writing style, readability, and thoroughness of coverage. Submit one story, maximum length: 1,000 words.

✓ **Journalism (SF 50369)**

Exhibit a binder portfolio showing the results of the appropriate year’s activities noted below:

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

✓ **Communications Ready4Life Challenge (SF 50370)**

**Open to 11- to 18-year-olds enrolled in any Communications project.**

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

## COMMUNICATIONS: PUBLIC PRESENTATIONS

Enrollment in the Public Presentations project is required to participate in this section. No live animals are allowed in speeches. Counties may advance a total of 3 entries from any category to the state contest. A 4-H member may advance in one individual category and one team category. Henderson & Warren County members will participate in virtual McDonough County Contest. Registration will begin April 1, 2021. State Contest: June 5, 2021 at Richland Community College in Decatur, IL

**Formal Speech | Self-written | Notes Allowed | No props | Individual | 4-6 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.

**Illustrated Speech | Self-written | Notes Allowed | Illustrations Required | Individual | 4-6 minutes**

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

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

**Original Works | Self-written | Notes Allowed | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-6 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

**Oral Interpretation | Published Work | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-6 minutes**

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

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

## COMPUTER SCIENCE

Exhibitors may bring computer equipment for demonstration purposes. Computers will not be furnished. Internet connections are not available for use by exhibitors. Any member found to be using computer software in a manner that infringes on copyright laws will be disqualified.

**Beginning Visual Programming** (not eligible for state fair)

**Open to youth in Computer Science Visual Based Programming**

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

✓ **Intermediate Visual Programming** (SF 50159)

**Open to youth in Computer Science Visual Based Programming**

Exhibit a program using Scratch (or other simple visual programming language) 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.

✓ **Advance Visual Programming** (SF 50160)

**Open to youth in Computer Science Visual Based Programming**

Exhibit a video game you have created in Scratch (or other simple visual 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.

✓ **Website Design** (SF 50161)

**Open to youth in Computer Science Visual or Text Based Programming**

Exhibit an original website that you have designed. Internet access will not be provided, so exhibitors must supply their own internet hotspot or the website must be hosted on the exhibitor's computer). All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

✓ **Computer Open Source / Innovation CS** (SF 50162)

**Open to youth enrolled in Computer Science Text-Based Programming or robotics project).**

Demonstrate the skills and knowledge you have gained through the Computer project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for

this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. Exhibits in this class may also demonstrate successful application of open source (publicly available) computing software and/or hardware, such as Raspberry Pi and Linux, to accomplish a task. All exhibits must include something visual, such as a poster or printed copy of a digital presentation or programming flowchart, which will remain on display during the exhibition. Exhibits in this area will be judged on the computer science programming. Youth enrolled in a robotics project should choose this class if you want the exhibit to be judged on the programming of the robot. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

✓ **Computer Science Ready4Life Challenge** (SF 50164)

**Open to 11- to 18-year-olds enrolled in any Computer project**

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

✓ **Computer Science Maker** (SF 50400)

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

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

## CONSUMER EDUCATION

**Entrepreneurship: Be the E!** (not eligible for state fair)

Exhibit a binder portfolio or display that includes the results of at least two completed activities from each year the exhibitor has been enrolled in the project. Completed activities from previous years should be included.

✓ **My Financial Future 1 Beginner** (SF 50168)

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.

✓ **My Financial Future 2 Advanced** (SF 50169)

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 of the activities from Module 3: Working with Banks and Credit Unions: Bank on It and Module 4: Making Your \$ Work 4 U.
- **Third Year and Beyond** – Complete all activities not previously completed in Module 3: Working with Banks and Credit Unions: Bank on It and Module 4: Making Your \$ Work 4 U; **AND** a minimum of two activities from Module 5: Credit and Consumer Breadcrumbs.

✓ **Consumer Ed Ready4Life Challenge** (SF 50167)

**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.

## CROPS.

✓ **Soybeans** (SF 50170)

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.

✓ **Corn** (SF 50171)

Exhibit two fresh plants of field corn (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. *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.

✓ **Small Grains** (SF 50172)

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 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.

✓ **Crops Innovation Class** (SF 50173)

**Open to youth enrolled in any Crops project.** 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.

✓ **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.

## DAIRY CATTLE

See Dairy Cattle show information on page 64.

✓ **Dairy Cattle Animal Science** (SF 50135)

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

✓ **Animal Science Dairy Cattle Ready4Life Challenge** (SF 50137)

**(Open to 11- to 18-year-olds enrolled in any Dairy Cattle 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.

## DOG

See Dog show information on page 66.

✓ **Dog Animal Science** (SF 50135)

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

✓ **Animal Science Dog Ready4Life Challenge:** (SF 50137)

**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.

# DRONES: UNMANNED AERIAL VEHICLES/SYSTEMS

Choose one of the following classes based on your interest and skill level.

Each Exhibitor must complete all three sections of Quads Away Curriculum and display (or upload) a completed Mission Logbook.

✓ **UAV Display** (SF 50375)

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 (see Aerospace Display).

✓ **UAV Unmanned Aerial Systems** (SF 50376)

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". A detailed build log with pictures, as well as a Mission Logbook must be included. 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. Attach the printed directions/instructions of the UAV if any were used.

## ELECTRICITY

✓ **Electricity 1** (SF 50177)

(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, and brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junk Drawer Robotics 1 or 2.

✓ **Electricity 2** (SF 50178)

(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, and brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junk Drawer Robotics 1 or 2.

✓ **Electricity 3** (SF 50179)

Exhibit a 120V lighting fixture or other appliance that 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.

**Electricity 4** (not eligible for state fair)

Exhibit any electronic or solid-state appliance. Exhibitor must be able to explain how the project was constructed, how it is to be used and how it works. When project is being constructed, general safety and workmanship should be considered.

✓ **Electricity Ready4Life Challenge** (SF 50181)

**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.

## ENTOMOLOGY GENERAL

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

✓ **Entomology 1** (SF 50183)

Exhibit 15 or more species representing four or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology 1 project manual, *Teaming With Insects 1*, with at least one completed activity for each year enrolled. The project manual must be included. Rules for pinning and labeling insects are available from your local Extension office.

✓ **Entomology 2** (SF 50184)

Exhibit 30 or more species representing eight or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology 2 project manual, *Teaming With Insects 2*, with at least one completed activity for each year enrolled. The project manual must be included. Rules for pinning and labeling insects are available from your local Extension office.

✓ **Entomology 3** (SF 50185)

Exhibit 60 or more species representing twelve or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology 3 project manual, *Teaming With Insects 3*, with at least one completed activity for each year enrolled. The project manual must be included. Rules for pinning and labeling insects are available from your local Extension office.

✓ **Entomology Display** (SF 50186)

**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.

✓ **Entomology Ready4Life Challenge** (SF 50187)

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

## ENTOMOLOGY BEEKEEPING

Create an exhibit that shows the public what you learned in the beekeeping project this year. **Note:** No beehives 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's fair.*

✓ **Beekeeping 1** (SF 50188)

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 beehive.
- Safe handling of bees.
- Equipment needed by a beekeeper.

✓ **Beekeeping 2** (SF 50189)

Exhibit one (1) of the following:

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

✓ **Beekeeping 3** (SF 50190)

Exhibit three (3) of the five (5) kinds of honey listed below (#1-5) or prepare an educational display about honey bees or beekeeping (#6).

1. Extracted honey: Three (3) 1# jars (glass, screw-top), holding 1# of honey each.
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: Three (3) sections (honey built by bees in frames of wood commonly called "sections") (boxes are usually 4 ½" x 4 ½" in size).
5. Section honey: Three (3) sections of comb honey (in basswood boxes or Ross rounds) **OR**
6. Prepare an educational display about honey bees or beekeeping.

✓ **Entomology Beekeeping Ready4Life Challenge** (SF 50191)

**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.

## ESPORTS

All exhibitors must complete all activities in the Illinois 4-H eSports Pilot Curriculum.

✓ **eSports** (SF 50430)

Compete in at least 1 ranked tournament online or in person (either as a team or solo), and fully document your progress throughout. Any game with a documentable bracket system, at least 3 rounds and a prize count. Be sure to include a description of the tournament, your match information, your win-loss record, and description of the game and platform being used to play the game (Ram requirements/capabilities of your machine, video card specs., etc.). Prepare a PowerPoint presentation describing your journey through eSports (including your 1 mandatory tournament), what you have learned about gaming/eSports, and why you think more youth should be involved. Also include a detailed description of your most important win, explaining your strategy in that victory. Be sure to include screenshots and video, if possible. Load your presentation to a USB drive, and be sure to add narration if uploading for virtual exhibition.

## EXPLORATORY (not eligible for state fair)

**EXPLORATORY** (*Welcome to 4-H*) (not eligible for state fair)

Youth ages 8 – 10 may exhibit a display on one of the following topics from the project book:

- Windowsill gardening; **OR**
- 4-H animals; **OR**
- 4-H family; **OR**
- Coat of arms

## COLLECTIBLES (not eligible for state fair)

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

## FAMILY HERITAGE

### ✓ **Family Heritage** (SF 50197)

Prepare an exhibit of items, pictures, maps, charts, slides/tapes, drawings, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history. Please note: Exhibits are entered at 4-H'ers own risk. 4-H is not responsible for loss or damage to family heirloom items or any items in this division. Displays should not be larger than 22" x 28" wide. If you need a size waiver because the historical item is larger than 22" x 28" please contact the superintendents for approval.

### ✓ **Family Heritage Ready4Life Challenge** (SF 50199)

**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.

## FOODS & NUTRITION

### ✓ **4-H Cooking 101** (SF 50200)

Using the recipes included in the project manual, prepare an exhibit of 3 cereal marshmallow bars; **OR** ¼ of 8" square or round coffeecake; **OR** 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. Bars, coffeecake, or cookies should be displayed on a disposable plate placed in a zip-sealing plastic bag. 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.

### ✓ **4-H Cooking 201** (SF 50201)

Using the recipes included in the project manual, prepare an exhibit of 3 cheese muffins; **OR** 3 scones; **OR** ½ loaf (9" x 5") of basic nut bread. If you make changes to the recipe, bring a copy of the recipe with your changes. Bread, muffins, or scones should be displayed on a disposable plate placed in a zip-sealing plastic bag. 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.

✓ **4-H Cooking 301** (SF 50202)

Using the recipes included in the project manual, prepare an exhibit of 3 dinner rolls; **OR** loaf of yeast bread; **OR** 1 tea ring; **OR** 3 sweet rolls; **OR** one layer of a rich white cake or rich chocolate cake, top side up (*without frosting*). If icing is used on the tea ring or sweet rolls, the recipe for the icing must also come from the book. The yeast bread/roll dough may be prepared in a bread making machine; however prepared mixes are not permitted. If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag. *In addition to your food exhibit*, complete one of the six experiments: *Experiment with Flour* p. 33-34, *Experiment with Kneading* p. 35-36, *Experiment with Yeast* p. 37-38 or 39, *Experiment with Butter* p. 62-63 or *Experiment with Cheese* p. 104-105. Bring a document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project.

✓ **4-H Cooking 401** (SF 50203)

Using the recipes included in the project manual, prepare an exhibit of ¼ of a 15" x 10" loaf of focaccia bread (do not include dipping oil); **OR** one baked pie shell – traditional, oil, or whole wheat (no graham cracker); **OR** ¼ golden sponge cake, top side up, without frosting; **OR** ½ loaf French bread. If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate and place in a zip-sealing plastic bag. *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?

✓ **Food Science 1** (SF 50204)

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 Science 2** (SF 50204)

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 Science 3** (SF 50204)

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 Science 4** (SF 50204)

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.

✓ **Sports Nutrition** (SF 50206)

Prepare a display, digital presentation, or poster on one of the activity chapters in the manual that you completed. The activity chapters are listed by page number in the table of contents. Your exhibit should include, at minimum, information on one physical fitness component and one food/recipe component from the activity chapter. The exhibit should include the project manual with the pages of the activity completed. You may also include live demonstration of physical activities. Do not bring food made using the

recipes, but consider adding pictures of the completed recipes to your exhibit. 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.

#### Examples for Activity 1

Example A: Make a video of yourself practicing flexibility, strength and endurance physical fitness activities and making pasta salad with different vegetable, pasta and dressing ideas. Bring a screenshot and brief description of your video to leave on display.

Example B: Make a poster of pictures of flexibility, strength and endurance physical fitness activities and information on the results of making the spinach and mandarin orange salad. Include answers to the questions in the book.

#### ✓ **Food Preservation (SF 50208)**

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

- **Canning** – The exhibit should include two different canned foods in appropriate jars for the products. Food may be fruit, vegetable, or tomato product (i.e. salsa, juice, etc.).
- **Freezing** – Prepare a nutrition display that illustrates a freezing principle. There is NOT a food exhibit option for this preservation method.
- **Drying** – Exhibit two (2) different dried foods packed in plastic food storage bags. Choose from fruit, vegetable, fruit leather or meat jerky.
- **Pickles and Relishes** – Exhibit two (2) pint jars of different recipes of pickles and/or relishes.
- **Jams, Jellies, and Preserves** – Exhibit two (2) half-pint jars of two different jams, jellies, and/or preserves.
- **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).

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

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

#### **Examples:**

- Strawberry jam, boiling water bath. July 13, 2021.
- Green beans, pressure canner. July 13, 2021.
- Beef jerky, food dehydrator and oven. July 13, 2021.

**All food 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

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

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

✓ **Foods Innovation Class (SF 50211)**

**Open to youth enrolled in any Foods project.**

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

✓ **Foods Nutrition Ready4Life Challenge (SF 50210)**

**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.

## FORESTRY

✓ **Forests of Fun 1 (SF 50212)**

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.

✓ **Forests of Fun 2 (SF 50213)**

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.

✓ **Forests of Fun 3 (SF 50214)**

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

✓ **Forestry Ready4Life Challenge** (SF 50216)

**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.

## **GEOLOGY**

**Size and number of exhibit cases should relate appropriately to the number of specimens being displayed for a specified class.**

Specimens are not limited to Illinois locations. All levels of Geology use the same manual, Geology-Introduction to the Study of the Earth.

✓ **Pebble Pups 1** (SF 50218)

Display 8 to 19 rocks and mineral specimens with three minerals in the collection. Collection may include duplications that show variations. Label collection and note where found.

✓ **Pebble Pups 2** (SF 50219)

Display at least 20, but no more than 29, rocks and mineral specimens with seven minerals in the collection. Collection may include duplications that show variations. Label collection and note where found.

✓ **Rock Hounds 1** (SF 50220)

Display at least 30, but no more than 40, rocks and mineral specimens with ten minerals in the collection. Rocks should include at least three igneous, two metamorphic, and three sedimentary groups. Label collection and note where found.

✓ **Rock Hounds 2** (SF 50221)

Display no more than 50 specimens that have been selected to illustrate a specific theme of the exhibitor's choosing. Be creative. Sample categories could include (but are not limited to): industrial minerals and their uses; a specific rock group and the variety that occurs in that group, including some minerals that occur in that environment; select fossils traced through the geologic ages; minerals and their crystal habits; rocks and minerals used in the lapidary arts.

✓ **Geology Innovation Class** (SF 50222)

**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.

✓ **Geology Ready4Life Challenge** (50224)

**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.

# GOATS

See Dairy and Meat Goat show information on page 69.

✓ **Goat Animal Science** (SF 50135)

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

✓ **Animal Science Goats Ready4Life Challenge** (SF 50137)

**Open to 11- to 18-year-olds enrolled in any Goat project**

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

# HEALTH

✓ **Health 1** (SF 50226)

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 item is used for.

✓ **Health 2** (SF 50227)

Select four Staying Healthy Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a "smarts" project as explained in the project manual.

✓ **Health 3** (SF 50228)

Select four Keeping Fit Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a poster or display on one of the Keeping Fit Skills.

**Health - Your Thoughts Matter – Navigating Mental Health** (not eligible for state fair)

Prepare an exhibit that demonstrates the knowledge and understanding gained through completion of the Your Thoughts Matter Member Project Guide. Exhibit the following 1) a poster or display that highlights activities and knowledge gained as you completed any two of activities 1 – 9 included in the curriculum; AND 2) the item you created in Activity 10 - the flyer, website, video, or other promotional tool that points individuals to the resources you found. To exhibit in this project area, 4-H members must have been involved in a 4-H Your Thoughts Matter SPIN Club experience.

✓ **Health Innovation Class** (SF 50229)

**Open to youth enrolled in Health 1, 2 or 3.**

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

- ✓ **Health Ready4Life Challenge** (SF 50231)

**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.

## HORSE

See Horse show information on page 71.

- ✓ **Horse Animal Science** (SF 50135)

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

- ✓ **Animal Science Horse Ready4Life Challenge** (SF 50137)

**Open to 11- to 18-year-olds enrolled in any Horse 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.

## HORTICULTURE: FLORICULTURE

- ✓ **Floriculture A** (SF 50192)

Exhibit one of the following options:

- Create a flower arrangement, either a round arrangement or a bud vase. No silk flowers are permitted; **OR**
- 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**
- 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 should be the same variety, color, shape and size and must have been grown from seed, young seedling plants, bulbs or rhizomes by the exhibitor. (NOTE: Exhibitors choosing lilies should include no more than 2/3 of foliage for their exhibit.)

- ✓ **Floriculture B** (SF 50193)

Exhibit one of the following options:

- Display a mixed planter that may include herbs with foliage plants and/or flowering plants. The planter should include three or more kinds of plants. The container exhibit space must not exceed 18"x18".
- Create an artistic display of dried flowers and/or herbs explaining how each was dried; **OR**
- Create a photo collage or collection of pictures of plants from your theme garden. Label your plants by name and explain how the plants were chosen to fit the theme.

✓ **Floriculture C** (SF 50194)

Exhibit one of the following options:

- Create a terrarium. Selected plants should be started by the exhibitor from cuttings or seeds or as purchased plugs. The terrarium must be cared for by the exhibitor for at least 5 months. Exhibitor should be able to explain the different plant, soil, and environmental needs and watering requirements of a closed system; **OR**
- Exhibit a plant that you propagated from cuttings, layering or division or started from seed. Create a photo board showing the progression of growth. Tips for vegetative propagation of houseplants can be found in the University of Illinois Extension Gardener's Corner ([go.illinois.edu/gardenerscorner](http://go.illinois.edu/gardenerscorner)).

✓ **Floriculture D** (SF 50195)

Exhibit one of the following options:

- Create a centerpiece around a theme such as a wedding, holiday, birthday, etc. No silk flowers are permitted; **OR**
- Create an exhibit of forced bulbs in a pot.

✓ **Floriculture Display** (SF 50196)

**(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, dish gardens, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

✓ **Floriculture Ready4Life Challenge** (SF 50198)

**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.

## **HORTICULTURE: VEGETABLE GARDENING**

All exhibits must have been grown by the exhibitor as part of their current gardening 4-H project. Exhibitors should be knowledgeable about various aspects of the produce, including but not limited to different varieties, soil testing, fertilizers used, etc. Exhibits should be prepared according to the Illinois Vegetable Garden Guide website: <http://web.extension.illinois.edu/vegguide/>. Waxes and oils may not be used on vegetables or fruits. Any plant infested with insects will be removed from the exhibit area and will not be eligible for champion awards.

✓ **Herb Display** (SF 50313)

**(Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, and Vegetable Gardening D)**

Herbs should be grown in pots (8" maximum diameter). Categories: Mint, Oregano, Rosemary, Sage, Thyme, and all other herbs. Herbs should be labeled with common and Latin names. Herbs should be in your care for a minimum of three months for state fair exhibits. Remove dead leaves from plants and check that the soil is clear of debris such as dead leaves. In addition to class Champions, Herb Category Grand and Reserve Grand Champions may be selected. When exhibiting herb plants, be sure to grow the plants in the container to be displayed to avoid transplant shock. Exhibits will be evaluated based on cleanliness, uniformity, condition, quality, and trueness to variety. Additional herb resources are located on the project resources section of the Illinois 4-H website.

✓ **Vegetable Display** (SF 50314)

**(Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, and Vegetable Gardening D)**

1. This class is allowed a 2'6" x 2'6" space for display.
2. Display must include 6 or more different kinds of vegetables. There may not be more than 2 different varieties of any vegetable. For example, red and white potatoes would be classified as two different varieties. Acorn squash and zucchini would be classified as two different vegetables.
3. The number and type of vegetables used must conform to the Vegetable Plate/Basket List.
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.).

✓ **Vegetable Plate** (SF 50315)

**(Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, and Vegetable Gardening D)**

1. Exhibit must include 2 single vegetable plates. (Exhibitor will furnish the disposable plates.)
2. Number of vegetables on plates must conform to plate list below.
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/DISPLAY LIST**

When selecting vegetables for exhibition, keep in mind that the judge will evaluate them on the basis of cleanliness, uniformity, condition, quality, and trueness to variety. (Lists are provided by UI Extension Horticulturists; Items are listed according to the correct definition of vegetables)

Asparagus (5 spears)

Beans, Lima (12 pods)

Beets (5)

Broccoli (1 head)

Brussels sprouts (12 sprouts)

Cabbage (1 head)

Cauliflower (1 head)

Carrots (5)

Cucumber, pickling or slicing (5)

Eggplant (1)

Garlic (5)

Kohlrabi (5)

Lettuce (1 head or plant)

Muskmelon incl. cantaloupe (1)

Okra (12)

Onions, large, dry (5)

Onions, green or set (12)

Parsnips (5)

Peas, (12 pods)

Peppers, large fruited (bell/banana) (5)

Peppers, small fruited (chili/cherry) (12)

Popcorn (5)

Potatoes (any variety) (5)

Pumpkin (1)

Rhubarb, trimmed stalks (3)

Rutabaga (5)

Salsify (5)

Squash, summer (any variety) (3)

Sweet corn, in husks (5)

Tomatoes, slicing (5)

Tomatoes, small fruited (12)

Turnip (5)

Watermelon (1)

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)

✓ **Vegetable Gardening Display** (SF 50316)

**(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.

✓ **Vegetable Gardening Ready4Life Challenge** (SF 50318)

**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.

## INTERCULTURAL

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

✓ **Passport to the World, Individual** (SF 50233)

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

✓ **Diversity & Cultural Awareness** (SF 50234)

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.

✓ **Intercultural Ready4Life Challenge** (SF 50236)

**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.

**Intercultural, Club, Includes *Passport to the World, Diversity & Cultural Awareness, and Latino Cultural Arts Projects*** (SF 50235)

Exhibit a display illustrating the steps that the club has completed on the project selected for the year. Include a written outline or report of accomplishments and future goals. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what the club members have learned. You must furnish any equipment you need for your exhibit. Internet service will

not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. The display must be accompanied by 3 or more club exhibitors 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. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

## INTERIOR DESIGN

### ✓ **Design Decisions, Beginning** (SF 50242)

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.

### ✓ **Design Decisions, Intermediate** (SF 50243)

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.

### ✓ **Design Decisions, Advanced** (SF 50244)

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

### ✓ **Interior Design Innovation Class** (SF 50245)

#### **Open to 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.

### ✓ **Interior Design Ready4Life Challenge** (SF 50247)

#### **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.

## LEADERSHIP

### ✓ **Leadership 1** (SF 50249)

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.

- **First Year** – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with

Others, plus one activity of exhibitor's choice from the manual.

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

✓ **Leadership 2 (SF 50250)**

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.

- **First Year** – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with Others, plus one activity of exhibitor's choice from the manual.
- **Second Year** – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one activity of exhibitor's choice from the manual.
- **Third Year** – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one activity of exhibitor's choice from the manual.

✓ **Leadership 3 (SF 50251)**

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.

- **First Year** – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with Others, plus one activity of exhibitor's choice from the manual.
- **Second Year** – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one activity of exhibitor's choice from the manual.
- **Third Year** – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one activity of exhibitor's choice from the manual.

✓ **Leadership Innovation Class (SF 50252)**

**Open to youth enrolled in Leadership 1, 2, or 3.**

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

✓ **Leadership Ready4Life Challenge (SF 50255)**

**Open to 11- to 18-year-olds enrolled in any Leadership project.**

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

✓ **Leadership Group Exhibit (SF 50254)**

**Open to clubs and groups whose members are enrolled in any Leadership project**

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

## 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:

- Exhibitors must complete the DIY Make & Build Curriculum, and answer all the questions at the end of each lesson. You must display (or upload if virtual) your answers to these questions, as well as your Maker Log from the DIY Make and Build curriculum.
- 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. Your device or object **cannot** be one of the included activities in the DIY Make and Build Curriculum.
- 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).
- Exhibits **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.

## NATURE: NATURAL RESOURCES AND OUTDOOR ADVENTURES

Electricity and water are **NOT** available for these displays. **NO live animals or reptiles are permitted in these exhibits.**

✓ **Natural Resources 1** (SF 50256)

Exhibit any item developed from the project book, *Step Into Nature*.

✓ **Natural Resources 2** (SF 50257)

Exhibit any item developed from the project book, *Explore the Natural World*.

✓ **Natural Resources 3** (SF 50258)

Exhibit any item developed from the project book, *Blaze the Trail*.

✓ **Outdoor Adventures 1:** (SF 50259)

Exhibit a display illustrating an activity completed from the project manual.

✓ **Outdoor Adventures 2** (SF 50259)

Exhibit a display illustrating an activity completed from the project manual.

✓ **Outdoor Adventures 3** (SF 50259)

Exhibit a display illustrating an activity completed from the project manual.

✓ **Natural Resources Ready4Life Challenge** (SF 50267)

**Open to 11- to 18-year-olds enrolled in any Natural Resources and Outdoor Adventures 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.

## NATURE: FISHING AND WILDLIFE

### ✓ **Sportsfishing 1** (SF 50260)

Exhibit a product or display made to complete an activity in the *Take the Bait* project manual. This could include, but is not limited to, displays on: different types of fishing tackle, identifying different baits and their uses (no actual bait, please) or identifying the anatomy of a fish. For safety reasons, lures must be placed in a plastic case.

### ✓ **Sportsfishing 2** (SF 50261)

Exhibit a product or display made to complete an activity in the *Reel in the Fun* project manual. This could include, but is not limited to, displays on: different types of knots or rigs and their use; a collection of fishing lures, labeled with their use; or information on preparing and cooking fish (not recipes). For safety reasons, lures must be placed in a plastic case.

### ✓ **Sportsfishing 3** (SF 50262)

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; sportsfishing careers; or identifying insects that fish eat. For safety reasons, lures must be placed in a plastic case.

### ✓ **Wildlife 1** (SF 50266)

Exhibit any activity developed from the project manual. Be able to explain the importance of and concept behind the exhibit.

### ✓ **Wildlife 2** (SF 50263)

Exhibit any activity developed from the project manual. (Ex. Create a display of the life history of an animal.) Within the exhibit, explain the importance of and concept behind the exhibit.

### ✓ **Wildlife 3** (SF 50265)

Exhibit any activity developed from the project manual. Be able to explain the importance of and concept behind the exhibit.

### ✓ **Fishing & Wildlife Ready4Life Challenge** (SF 50291)

**Open to 11- to 18-year-olds enrolled in any Fishing or Wildlife 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.

### **Exploring Your Environment 1** (not eligible for state fair)

Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of natural and/or manmade environments, how humans affect the environment, or how the environment affects our lives. Include your project manual that documents activity recordkeeping, your answers to activity questions, and details personal thoughts and ideas.

### **Exploring Your Environment 2** (not eligible for state fair)

Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of one of the following: stewardship of natural resources, investigating greenhouse effects on living organisms, methods of reducing or managing waste in your home or community, or calculating your ecological footprint. Include your project manual that documents activity recordkeeping, your answers to activity questions, and details personal thoughts and ideas.

## PHOTOGRAPHY

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 must be accompanied by details of the camera setting 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) Lens Filters ( Ultra-Violet, Polarizing, etc.) if used.

Additional details required for Photo Editing ONLY:

- a) Photo editing software/application used (required for ALL edits and retouches except for cropping)
- b) 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: 5" x 7"

Maximum image size: 8" x 10"

Maximum exhibit size (including frame): 18" x 20"

All exhibitors must include unframed (taped to the back of the framed exhibit or attached to the project booklet) original or **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.

✓ **Photography 1** (SF 50268)

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.

✓ **Photography 2** (SF 50269)

Exhibit one of the options listed below:

- Exhibit one framed 8" x 10" close-up photograph using the skills learned on page 62-63 (section: Bits and Pieces) of the project manual titled *Controlling the Image*. No photo editing is allowed in this class except cropping and red eye removal; **OR**
- Exhibit one framed 8" x 10" photo which demonstrate your understanding of a technique you learned from your Photography 2 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

✓ **Photography 3** (SF 50270)

Exhibit one of the options listed below:

- 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; **OR**
- Exhibit one framed 8" x 10" photo which demonstrates your understanding of a technique you learned from your Photography 3 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

✓ **Photo Editing** (SF 50271)

**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.

✓ **Photography Innovation Class:** (SF 50272)

**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. 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.

✓ **Photography Ready4Life Challenge** (SF 50274)

**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.

## PLANTS & SOILS

**Plants & Soils 1** (not eligible for state fair)

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

**Plants & Soils 2** (not eligible for state fair)

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

**Plants & Soils 3** (not eligible for state fair)

Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of the relationship between soil and other cycles found in nature. Displays should also provide an example of a leadership or service-learning experience focused on environmental stewardship. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

**Plants & Soils Ready4Life Challenge** (not eligible for state fair)

**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.

## POULTRY

See Poultry show information on page 73.

✓ **Poultry Animal Science** (SF 50135)

Prepare a display focusing on any activity related to the poultry project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during

the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

✓ **Animal Science Poultry Ready4Life Challenge** (SF 50137)

**Open to 11- to 18-year-olds enrolled in any Poultry 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.

## RABBITS

See Rabbit show information on page 74.

✓ **Rabbit Animal Science** (SF 50135)

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

✓ **Animal Science Rabbits Ready4Life Challenge** (SF 50137)

**Open to 11- to 18-year-olds enrolled in any Rabbit project.**

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

## ROBOTICS

**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: Beginning, 50285, and 50286 are designed to be used with LEGO Mindstorms (NXT or EV3).
- Any other programmable robot kit such as Arduino or Raspberry Pi, should be exhibited in Robotics Innovation/Open Source Class (50292).

**Robotics 1: Beginning:** (not eligible for state fair)

Exhibitors should complete Activities 1-6 in the Robotics 1 with EV3 project book. 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 project book, their program code (on laptop or on paper), and a single page write up to share what they learned about the engineering design process and programming.

✓ **Robotics 1: Intermediate:** (SF 50285)

Exhibitors should complete Activities 7-12 in the Robotics 1 with EV3 project book. 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 project book, their program code (on laptop or on paper), and a short journal sharing what they learned about the engineering design process and programming throughout their work in the project and specifically while preparing the exhibit.

✓ **Robotics 2:** (SF 50286)

Exhibitors should complete Activities 1-7 in the Robotics 2 EV3N More project book. Exhibitors will design, build and program a robot that uses sensors and programming to complete one of the challenges provided after registration. They will bring their project book, their program code (on laptop or on paper), and a short journal sharing changes they made to the robot and/or program along the way, and to describe their experience with completing the challenge.

✓ **Robotics Innovation Open Source Class** (SF 50292)

**Open to youth enrolled in Robotics 3, but may also include youth in Robotics 1 or 2 if the exhibit meets the guidelines.**

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

**Junk Drawer Robotics**

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

**Junk Drawer Robotics 1** (not eligible for state fair)

Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 1 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

✓ **Junk Drawer Robotics 2** (SF 50288)

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

✓ **Junk Drawer Robotics 3** (SF 50289)

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

✓ **Robotics Ready4Life Challenge** (SF 50293)

**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.

## **SHEEP**

**See Sheep show information on page 75.**

✓ **Sheep Animal Science** (SF 50135)

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

✓ **Animal Science Sheep Ready4Life Challenge (SF 50137)**

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

## SHOOTING SPORTS

Participants must be a member of an approved 4-H Shooting Sports Club to exhibit. All exhibits should be posters or stand-alone items suitable for display to the general public. Stand-alone items have the intent to enhance the discipline such as a quiver, gun case, gun sling, locking cabinet, gun or target stand, sporting clays equipment wagon, etc. Exhibits deemed to be inappropriate by a superintendent will not be displayed.

NOTE: Shooting Sports Displays have the following prohibitions:

- No live ammunition.
- No knives or arrow tips (including field points, hunting broadheads, etc.).
- No functional or non-functional bows, firearms or firearm parts that could be reassembled are allowed.
- No humanoid shaped targets or reference to paintball, laser tag, air-soft, or pointing of any type of firearm or bow toward another person is allowed.
- No display involving primarily tactical design firearms (i.e. AR platform or military type firearms).
- No reference or use of the word “weapon” should be used in a display.
- Make sure there are no safety violations in your display. (Example: no earplugs or safety glasses in a picture of a person shooting a firearm.)

✓ **Shooting Sports: Archery (SF 50380)**

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

✓ **Shooting Sports: Rifle (SF 50381)**

Exhibit a poster or stand-alone display 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.

✓ **Shooting Sports: Shotgun (SF 50382)**

Exhibit a poster or stand-alone display depicting safe firearm handling, range safety, the parts of the shotgun, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

✓ **Shooting Sports: Hunting & Outdoor Skills (SF 50383)**

Exhibit a poster or stand-alone display related to something you learned in the Hunting & Outdoor Skills project.

✓ **Shooting Sports: Pistol (SF 50384)**

Exhibit a poster or stand-alone display depicting safe firearm handling, range safety, the parts of the pistol, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

✓ **Shooting Sports Ready4Life Challenge (SF 50385)**

**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.

## SMALL ENGINES

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

### Small Engines 1 (SF 50294)

Exhibit a display, selecting one of the following items:

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

### ✓ Small Engines 2 (SF 50294)

Exhibit a display, selecting one of the following items:

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

### ✓ Small Engines 3 (SF 50294)

Exhibit a display, selecting one of the following items:

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

### ✓ Small Engines Ready4Life Challenge (SF 50297)

**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.

## SMALL PETS

For youth enrolled in Small Pets 1, Small Pets 2, Small Pets 3, or Guinea Pigs

✓ **Animal Science Small Pets (SF 50135)**

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

✓ **Animal Science Guinea Pigs Display (SF 50135)**

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

✓ **Animal Science Small Pets / Guinea Pigs Ready4Life Challenge (SF 50137)**

**Open to 11- to 18-year-olds enrolled in any Small Pets 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.

## SWINE

See Swine show information on page 76.

✓ **Swine Animal Science (SF 50135)**

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

✓ **Animal Science Swine Ready4Life Challenge (SF 50137)**

**Open to 11- to 18-year-olds enrolled in any Swine 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.

# TECHNOLOGIES

**3-D PRINTING & DESIGN:** Choose one of the following classes based on your interest and skill level.

## **3-D Design Beginner** (not eligible for State Fair)

No 3-D Printer or 3-D printed object is required for this exhibit. Exhibit a simple 3-D rendered design using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The design must be an object that performs a specific task, and it 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 flash 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.

## **3-D Design Advanced** (not eligible for State Fair)

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 it 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 flash 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.

## **3-D Printing Beginner** (not eligible for State Fair)

Exhibit a simple 3-D printed object designed using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The 3-D printed object must perform a specific task, and it may not be based on already existing 3-D models. It must be 3-D printed using **ONLY A COMMERCIALY AVAILABLE HOME/DESKTOP 3-D PRINTER**. In addition, original design files must accompany each exhibit. These files must be in .STL format. Bring your design on a flash 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.

## **3-D Printing Advanced** (not eligible for State Fair)

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

### **3-D Printing & Design Ready4Life Challenge** (not eligible for State Fair)

#### **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.

## **THEATRE ARTS**

### ✓ **Theatre Arts 1** (SF 50299)

Exhibit one of the following items:

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

### ✓ **Theatre Arts 3** (SF 50301)

Exhibit one of the following items:

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

### ✓ **Theatre Arts Innovation Class** (SF 50302)

**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.

### ✓ **Theatre Arts Ready4Life Challenge** (SF 50304)

**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.

## **TRACTOR**

### ✓ **Tractor A** (SF 50306)

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

### ✓ **Tractor B** (SF 50307)

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

✓ **Tractor C** (SF 50308)

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

✓ **Tractor D** (SF 50309)

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

✓ **Tractor Innovation Class** (SF 50310)

**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.

✓ **Tractor Ready4Life Challenge** (SF 50312)

**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.

## **VETERINARY SCIENCE**

✓ **Veterinary Science 1** (SF 50320)

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

✓ **Veterinary Science 2** (SF 50320)

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

✓ **Veterinary Science 3** (SF 50320)

Prepare a display focusing on any activity related to the veterinary science project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging

time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

✓ **Veterinary Science Ready4Life Challenge** (SF 50322)

**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.

## VIDEO/FILMMAKING

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

**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.**

✓ **Commercial or Promotional Video** (SF 50324)

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

✓ **Animated Video** (SF 50325)

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

✓ **Documentary** (SF 50326)

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 interviews with experts or constituents related to the topic of investigation.

✓ **Short Story or Short Narrative** (SF 50327)

Prepare a short video that tells a story. The video should demonstrate skills in making and editing video.

✓ **Video/Filmmaking Innovation Class** (SF 50328)

**Open to youth enrolled in Video/Filmmaking**

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

✓ **Video/Film Ready4Life Challenge (SF 50330)**

**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.

## **VISUAL ARTS**

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

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 preformed molds are not considered original and are not acceptable in any Visual Arts Class. 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. If you see something on Pinterest that you like, create something different using the concept, however, it MUST NOT look exactly like something the judge can search for and find on the internet. The exhibit must combine parts of different patterns and/or ideas with the concepts of the member, however changing the color or changing the size of the item or pattern used does NOT make it original. If you create a replica of what you see somewhere else, it is not your original design. If a photo, sketch, or other idea source was used, submit it with your entry, firmly attached to your exhibit. Be prepared to explain how and where you got the idea for this project.

Members wishing to exhibit a quilt 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.

✓ **Visual Arts Food/Cake Decorating Beginning (SF 50332)**

**Exhibit one of the following:**

- Exhibit four decorated cookies, using a minimum of four different techniques. Exhibit may use cookies OR cookie forms.
- Exhibit four decorated cupcakes, using a minimum of four different techniques. Exhibit may use cupcakes OR cupcake forms.
- Exhibit a single layer decorated cake, using a minimum of four different techniques. Exhibit may use cake OR cake form.

✓ **Visual Arts Food/Cake Decorating Intermediate (SF 50333)**

**Exhibit one of the following:**

- ✓ Exhibit four decorated cookies, using a minimum of five Level 2 techniques. Exhibit may use cookies OR cookie forms.
- ✓ Exhibit four decorated cupcakes, using a minimum of five Level 2 techniques. Exhibit may use cupcakes OR cupcake forms.
- ✓ Exhibit a single layer or two-layer cakes, using a minimum of five Level 2 techniques. Exhibit may use cake OR cake forms.

✓ **Visual Arts Food/Cake Decorating Advanced (SF 50334)**

Exhibit a decorated, stacked or multi-layer cake; or a tiered cake, using a minimum of four Level 3 techniques. Exhibit may use cake OR cake forms.

✓ **Visual Arts Food/Cake Decorating Master (SF 50335)**

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 forms.

### **Visual Arts Chalk/Carbon/Pigment**

Enter the division based on the type of material on which the art was created.

✓ **Division A: Canvas, Paper, Glass** (SF 50336)

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, original non-computer generated graphics, printing, etc. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for State Fair exhibit. Drawings and paintings should be matted or framed under glass. (Exceptions: Oil and acrylic paintings do not require glass and are not required to be matted.) Watercolor, chalk, pen & ink, computer-generated art, etc. do require some protective covering. Gallery frames are acceptable. Canvas paintings that continue “over the edges” are acceptable without frames; however, the piece must still be prepared for hanging. Matted pieces without frames are acceptable, however the piece must be prepared for hanging OR it must include a photo of the artwork being displayed in a non-hanging manner. There is no specific requirement for the type of mat used.

✓ **Division B: Wood, Metal, Textiles** (SF 50352)

Any original artwork 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.

✓ **Visual Arts Clay** (SF 50337)

Any original item made of clay; may be fired or unfired, hand formed or thrown on a wheel. Self-hardening clays are fine. Fire/oven-cured and cornstarch clay could be accepted. Items can include, but are not limited to, clay statues, bowls, jewelry, etc. Pre-formed ceramics are not eligible for State Fair exhibit.

✓ **Visual Arts Computer-Generated Art** (SF 50338)

Any original art created in any software package. Exhibit may not include scanned work, clip art, downloaded images from the internet, any imported image, or photographs. All pixels must be original. Photo mosaics are NOT allowed. Exhibitors in this class (like all other classes in this sub-section) must be enrolled in Visual Arts; Computer project enrollment is not required. NOTE: Wood and metal exhibits created through the use of laser cutting programs/devices should be entered in this class. Plastic exhibits with an artistic focus created using a 3-D printer should be entered in this class. If the art created is designed to hang, then the entry should have some protective covering, such as a glass frame, and prepared for hanging. If the art is something that has been created with a laser cutting program/device and is NOT designed to hang, it does not require protective covering nor does it need to be prepared to hang.

✓ **Visual Arts Fiber** (SF 50339)

Any original item made of fiber. Examples are quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, wearable art, hooking, braiding, duct tape artistry, string art, and baskets. **Original** cross-stitched, knitted, crocheted or quilted items belong in this Fiber class. **Non-original** cross-stitched, knitted, crocheted or quilted items should be entered in Heritage Arts. Machine knitted items are not appropriate for this class.

✓ **Visual Arts Fiber Non-Original AGES 8-10 ONLY** (SF 50350)

Any non-original item made of fiber. Examples are fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, crocheting, knitting, weaving, hooking, and felting. Exhibitors may use a pattern and/or an idea generated from another source.

✓ **Visual Arts Glass/Plastic** (SF 50340)

Any original item made of glass or plastic. Possible items to exhibit include stained glass, etched glass (original design), mosaics made of glass, glass beading, plastic jewelry (friendly plastic). Interlocking building block creations (i.e. LEGOS) are not suitable for State Fair entry. Stepping stones or wall hangings that include cement decorated with glass or plastic items are not suitable for this class.

✓ **Visual Arts Heritage Arts** (SF 50341)

Exhibit an item of **traditional** art learned from another person or **from a pattern** (NO KITS may be entered in this class). Non-original cross-stitched, knitted and crocheted items by pattern fit in this class. ALL ORIGINAL cross-stitched, knitted and crocheted items should be exhibited in Fiber Arts; (machine knitted items ARE NOT acceptable for this class.) Other possibilities include: needlepoint, counted cross-stitch, crewel, embroidery, cut work, hardanger embroidery (embroidery openwork), macramé, baskets, candles, pysanki (decorated eggs), leather, quilts, baskets (made using a traditional pattern), traditional handmade dolls with handmade costumes, soaps made using nature dyes also can be made using hand-made molds or broken into chunks for display or candles. No machine quilting allowed in Heritage Arts. Exhibitors must also bring 1) the pattern or a copy of the pattern they used to create their traditional art; and 2) a description of the traditional origins of their art choice.

✓ **Visual Arts Leather** (SF 50321)

Exhibit one of the following options using leather:

- Leather Stamping: Exhibit should utilize one or more stamping techniques – exhibit examples include items such as belt; coasters; bookmark; key chain; wrist bracelet.
- Leather Carving or Tooling: Exhibit should use simple swivel knife tooling techniques or may incorporate several swivel knife-tooling designs or patterns – exhibit examples include items such as belt; pictorial carving; key case.
- Leather Lacing: Exhibit to include stamping and/or carving techniques incorporated with lacing techniques – exhibit examples include items such as wallets; purses; etc.
- Leather Stitching: Exhibit may include stamping; carving and/or lacing techniques and should be a leather item or article of apparel, which incorporates hand-sewing and/or machine stitching techniques. Hand-sewing and/or machine stitching must be the work of the exhibitor.

✓ **Visual Arts Metal** (SF 50342)

Any original item made of metal such as sculpture, tin punch, engraved metal, and 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. Metal items that have been partially or totally created through the use of laser cutting programs/devices should be entered in Computer-Generated Art.

✓ **Visual Arts Nature** (SF 50343)

Any original item made of natural material such as wreaths, cornhusk 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. All baskets should be entered in Heritage Arts.

✓ **Visual Arts Paper** (SF 50344)

Any original item made of paper. Examples could include origami; greeting cards; paper-cut designs, paper mache, hand-made paper, paper collage, paper models of architecture, quilling, etc. Paper twist articles, made from directions in craft books and stores ARE NOT original and are not appropriate for this class. Scrapbooks should be exhibited in Visual Arts Scrapbooking.

✓ **Visual Arts Scrapbooking, Beginning** (SF 50345)

Exhibit one album or notebook, either 8 ½" x 11" or 12" x 12", 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.

✓ **Visual Arts Scrapbooking, Intermediate** (SF 50346)

Exhibit one album or notebook, either 8 ½" x 11" or 12" x 12", 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.

✓ **Visual Arts Scrapbooking, Advanced** (SF 50347)

Exhibit one album or notebook, either 8 ½" x 11" or 12" x 12", 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.

✓ **Visual Arts Three-Dimensional Design/Mixed Media** (SF 50348)

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 either freestanding or should be prepared to be hung**. It must be observable on at least three different sides. Originality and design are important concepts. Craft and preformed or assembled projects are not acceptable.

✓ **Visual Arts Wood** (SF 50349)

Any original item made of wood (wood carving, sculpture, collage, wood burning, etc.). Utilitarian wood items made from patterns or kits (e.g. outdoor or indoor furniture, shelves) should be entered in woodworking, not in visual arts. Popsicle stick crafts are not acceptable for State Fair entry. Wood items that have been partially or totally created through the use of laser cutting

programs/devices should be entered in Computer-Generated Art. All Visual Arts Wood exhibits MUST have an artistic element that the exhibitor can explain. Furniture built by the exhibitor aligns with the Woodworking project area – unless the element to be judged is wood carving or wood burning that is one element of the exhibit. Exhibits will be judged using a Visual Arts Rubric and not a woodworking construction rubric.

✓ **Visual Arts Ready4Life Challenge** (SF 50351)

**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.

## WEATHER

✓ **Weather and Climate Science 1** (SF 50392)

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

✓ **Weather and Climate Science 2** (SF 50393)

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

✓ **Weather and Climate Science 3** (SF 50394)

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

✓ **Weather Ready4Life Challenge** (SF 50395)

**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.

## WELDING

✓ **Welding** (SF 50353)

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

- ✓ Welding **Ready4Life Challenge** (SF 50355)

**(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.

## **WOODWORKING**

Each county may submit 2 entries total from 50357, 50358, 50359, 50360; and 1 entry from 50362.

- ✓ Woodworking **1** (SF 50357)

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. Exhibits must be portable and cannot be exhibited on a trailer.

- ✓ Woodworking **2** (SF 50358)

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. Exhibits must be portable, and cannot be exhibited on a trailer.

- ✓ Woodworking **3** (SF 50359)

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. Exhibits must be portable, and cannot be exhibited on a trailer.

- ✓ Woodworking **4** (SF 50360)

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. Exhibits must be portable, and cannot be exhibited on a trailer.

- ✓ Woodworking **Ready4Life Challenge** (SF 50362)

**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.

## **CLOVERBUDS**

**(Not a State Fair Exhibit Opportunity)**

Cloverbud members will have the opportunity to do a “show and tell” to a judge at the General Project Show. They are to select the best thing they have done from the 4-H Cloverbuds curriculum program. Cloverbuds cannot show live animals of any type. They will receive a special Cloverbud Ribbon. No premium is awarded. Cloverbud leaders can decide if the whole group will take the same thing to the General Project Show.

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## Warren County 4-H Animal & Livestock Information Rules

1. All exhibitors currently enrolled as a 4-H member in Warren County may participate in 4-H classes, providing the exhibitor has complied with rules and deadlines set forth for Warren County 4-H. A list of all 4-H members in good standing is on file in the Warren County Extension Office in Monmouth. All livestock exhibitors must complete **YQCA or QAEC by May 1<sup>st</sup>** or have a proof of previous completion (QAEC) on file at the Extension Office. All livestock exhibitors must have enrolled in the livestock project in 4-H online by January 1. Exhibitors *who have not met enrollment, ownership, and other deadlines will not be allowed to show.*
2. **See the 2021 Exhibition Livestock Health Requirements for County Fairs section at the end of this fair book for general requirements and specific health requirements for each animal category. Any animals not meeting these requirements will not be allowed to show.**
3. All animals exhibited must have been owned and personally cared for by the exhibitor or his/her immediate family by the established ownership deadlines.
4. All entries for the Livestock Show must be submitted in Fair Entry by **Friday, June 18, 2021 by 11:59 p.m.**
5. **A limit of 1 entry per class, and a limit of 12 total entries are allowed in each species, unless otherwise noted.**
6. All entries will be judged and premium money will be divided proportionately by utilizing the X factor. All premiums will be distributed after the fair. Refer to "County 4-H Fair Premium Information" on page 11.
7. All 4-H animals may be purebred, crossbred, or grade.
8. **All purebred registration papers and health papers need to be turned in at time of check-in. All purebred animals must be registered in the individual's name, not the farm or family name. If exhibitor does not bring registration papers, the animals will be placed in crossbred class, however the one premium pertains to exhibitor per class.**
9. Health papers will be checked on arrival at the fairgrounds. Animals must meet the health requirements outlined by the *2021 Exhibition livestock Health Requirements for County Fairs.*
10. An animal may only be shown in one individual class. *See species rules for exceptions.*
11. All animals must be exhibited in the show ring by the owner (this is **the member's** chance for exhibiting **his or her** project) unless special permission is granted by the Department Superintendent. **Exhibitor helpers (i.e. for pair classes) must be a 4-H member.** Anyone that is not a current enrolled 4-H member and **at least 8 years of age** will not be allowed to help in the show ring during any 4-H show. **Cloverbuds are not allowed to help in the show ring. Youth under the age of 8 years of age as of September 1, 2020 will be asked to leave the show ring.**
12. No exhibitors may stay overnight at the fairgrounds.
13. Additional classes to coincide with project enrollment may be made at the discretion of the Henderson-Knox-McDonough-Warren Extension Unit and the Department Superintendent.
14. Pens and stalls will be marked with exhibit cards (provided by the University of Illinois Extension office) at the conclusion of set up. **Exhibit cards brought by members or parents will NOT be allowed.** You must help set up to reserve your pens and stalls. No reserving for other people. It is the responsibility of the exhibitor to clean up their stall, pen, etc.
15. All complaints must be filed, in writing, with the University of Illinois Extension Council prior to showing time of animals in question.
16. Washing facilities will be available on the grounds.
17. Please do not use paper bedding. Bagged wood shavings are recommended for swine. Please hold bedding to a "reasonable amount" because of fire hazard. Exhibitor is responsible for disposal.
18. Neckties are required for cattle. Superintendents will be checking.

19. To be eligible for Championship the exhibit must have received a blue ribbon.
20. All exhibitors must enter their age group using their 4-H age as of September 1, 2020. This applies to all animal categories.
21. No one other than the project member should fit or train the animals on the show grounds. Professional fitters/trainers are not allowed to assist a 4-H member. Physical assistance with tack, equipment, and appointments during the show by immediate family members or project leaders is acceptable.
22. If you need a reasonable accommodation to participate in the Warren County 4-H Livestock Fair, please contact, University of Illinois Extension, Warren County, 1000 North Main St. Monmouth, IL 61462 or call (309) 734-5161. Requests should be made at least two weeks prior to the event.

## Care of Animals

The Warren County 4-H Program enforces the Illinois Humane Care of Animals Act. Exhibitors are responsible for providing care/safety measures that protect the animals, exhibitors, and public.

Management practices should include:

- Provide fresh, clean water to all animals at all times.
- Keep your pens clean and dry with good bedding at all times.
- Be aware of animal comfort zones (i.e. temperatures, space).
- Sort and load animals safely and with concern for them.
- Train animals to lead or be handled at a young age before the fair. This will make them more manageable at the fair.
- Arrange for veterinary care in case of an animal emergency.
- Handle animals in a humane way.
- Adhere to all antibiotic, drug, and water or feed additive withdrawal times.
- Animals should be fed on a routine basis.
- Avoid stressing the animals.
- Keep animals clean. A clean animal is viewed as a healthy animal.
- Use show sticks, whips, or canes for showing only. Use them as gently as possible. Do not use electric prods.
- Review your 4-H project manual and follow the care recommendations.
- Have a plan of action if a problem should arise and know whom to contact to help solve it or answer questions.
- Know who and where fair officials are and how to get in contact with them.
- If questioned about animal care by a stranger, stay calm and be polite. Refer the person to the Superintendent or to Extension staff. Don't try to handle them on your own.

## FDA Antibiotic Rules Apply to Youth Livestock Exhibitors

For 4-H youth livestock exhibitors, parents and project advisors, Jan. 1, 2018, ushered in major changes in accessing medicated feeds for project animals. That's when the U.S. Food and Drug Administration (FDA) implemented new rules, known as Guidance 209, for antibiotic use in all animals raised for food.

Antibiotics identified as medically important (to human health) will no longer be available for growth promotion purposes, including for 4-H show animals.

The use and distribution of antibiotics in animal agriculture is changing and producers of all sizes need to begin preparing to adapt in the coming year. Focusing on the one-health concept of combating antibiotic resistance, the United States Food and Drug Administration (FDA) is working to ensure the judicious use of humanly

medically important antibiotics. Changes include eliminating the growth promotion use of human medically important antibiotics and expanding the list of feed-grade antibiotics classified as Veterinary Feed Directive (VFD) drugs. Historically, a majority of feed-grade antibiotics used in or on animal feeds have been available to producers over-the-counter, without approval from a veterinarian. As of Jan. 1, 2018 the FDA moved all human medically important feed-grade antibiotics to the VFD drug process.

### **What does this mean for 4-H Youth exhibiting livestock?**

Youth exhibitors and their families must work with a licensed veterinarian with whom they have an established veterinarian-client-patient relationship (VCPR) in order to receive permission to order and use feed containing a VFD drug. The veterinarian's primary role is to advise and guide the producer (the client) in determining which medications are appropriate for their animals (the patients). This relationship must be established and recognized by the veterinarian prior to any VFD order being written. Feed distributors will require a valid VFD, provided by the veterinarian, prior to supplying customers with the regulated feed product. VFDs will need to be renewed every 6 months, based on renewal guidelines set by FDA.

Over-the-counter sales of medically important antibiotics administered in feed and water will end on January 1, 2017. Access to feed-grade antibiotics will require a veterinary feed directive (VFD) for a specific group of animals for a specific timeline as established by the herd veterinarian. Water medications will require a prescription.

### **Plan now for changes in feed purchases**

4-H livestock exhibitors often have just a few animals and buy bagged feed from the local feed or farm supply store. With FDA's new rules, these stores may no longer carry feed that exhibitors are used to buying. Exhibitors will need to contact a veterinarian if they don't already have one and get a comprehensive health plan in place. This will include which antibiotics are needed to maintain good health along with other animal husbandry tools, such as biosecurity and vaccinations.

### **New record-keeping rules introduced**

FDA's new rules ushered in new record-keeping requirements for producers, including youth with 4-H livestock projects. Veterinarians who issue VFDs will need to keep the original form for two years. Youth exhibitors/parents/advisors also will need to keep a printed or electronic copy for two years. Feed mills or distributors also will be required to keep a copy on file for two years. Water prescriptions will need to be kept for one year. All of these records must be made available to FDA on request.

## **Agricultural Premium Fund (APF)**

Refer to *County 4-H Fair Premium Information* on page 11. Under the Illinois Agricultural Fair Act, SUBPART C, known as the 4-H Fund, University of Illinois Extension units are eligible to participate and receive funding for one (1) cash premium per class. Premium-eligible youth are 4-H members 8-18 years of age as of September 1, 2020 and are enrolled via 4-H Online. Counties are not required to pay premiums until the funds are released from the IL General Assembly.

# Showmanship

## Rules/Explanations

- Showmanship classes are not eligible to receive premiums.
- Showmanship Divisions are recommended and approved by the Warren County 4-H Livestock Committee.
- All exhibitors competing in these Showmanship classes must also have exhibited in at least one other class for the species they are showing (exception: Master Showmanship).
- Junior Division applies to 4-H members who have never won a Showmanship Class to age 12.
- Senior Division applies to 13-19 year old members who have not won this class, and all past years' junior class winners.
- Advanced Division applies to all past winners of the Senior Division.
- **All ages used are the age of the 4-H'er as of September 1, 2020. Exception for Master Showmanship.**
- Each Showmanship division will name a Champion who will receive an award.
- Showmanship classes that have divisions with low or high enrollment are subject to change at the discretion of Extension staff and fair Superintendents.

## Master Showmanship Contest

### Warren County Contest Information/Rules

1. **Master Showmanship Contest** will be held at the conclusion of the Advanced Showmanship classes of Beef, Swine, and Sheep. Contestants must participate in all three species of the Master Showmanship Contest.
2. **Exhibitor must be fourteen (14) years of age or older at the time of the event.**
3. Exhibitor must be enrolled in a 4-H livestock project and be an active, in good standing, member of a Warren County 4-H Club.
4. One winner will be chosen at the Warren County 4-H Fair to compete at and represent Warren County at the 2021 Illinois State Fair Master Showmanship Contest on Friday, August 13<sup>th</sup>.
5. If the Warren County winner cannot participate in the state contest, the Extension Office may select an alternate.
6. Participant must supply his or her own livestock for both the county and the state competitions (must own or borrow (pre-arranged) a steer or heifer, a market or breeding lamb, and a market hog or breeding gilt.)
7. Contestant MUST participate in each division.
8. Exhibitors will wear exhibitor numbers.
9. Points will be awarded for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place finishers. Total points will decide the overall winner, who will represent Warren County at the Illinois State Fair Master Showmanship Contest.
10. The complete list of the 2021 State Contest Rules and contest schedule will be available upon request at the Warren County Extension Office once received, and will be provided to the winner of the Warren County Master Showman after the contest concludes.



# 4-H LIVESTOCK & ANIMAL PROJECT CLASSES

(Alphabetical by species)



## BEEF

4-H Superintendent: Kendall Shimmin

1. See the current Exhibition Livestock Health Requirements County Fair website for a listing of the general requirements and specific health requirements for this animal category. Any animals not meeting these requirements will not be allowed to show. Website address can be found on page 79.
2. Must be enrolled in the 4-H Beef project by January 1 in 4-H Online and have completed the Youth for the Quality Care of Animals training (YQCA) by May 1.
3. **Members may enter no more than one (1) entry per class, and not more than a total of twelve (12) entries in the Beef project.**
4. Animals unmanageable to show will not be allowed in the show ring.

### Breeding Beef

Thursday, July 22

(Immediately following the Sheep Show)

1. One entry per age class (age of animal) in each breed.
  2. The % regulations are as follows: Angus-purebred, Hereford-purebred, Shorthorn 15/16, Simmental 3/4.
  3. A sign will be posted with order of breeds at the show ring.
- **Awards** Champion and Reserve Champion Female Angus, Hereford, Shorthorn, Simmental, Crossbred and All Other Breeds. Champion Beef Showmanship. Grand Champion and Reserve Grand Champion and Overall Grand Champion Beef Female.

**The following show order will be used for each breed as listed above:**

Exhibit one entry in any or all of the following:

- Junior heifer calf, born after January 1 of current year
- Senior heifer calf, born between July 1 and December 31 of previous year
- Summer yearling heifer born between May 1 and June 30 of previous year
- Late spring yearling heifer born between April 1 and April 30 of previous year
- Early spring yearling heifer born between March 1 and March 31 of previous year
- Junior yearling heifer born between January 1 and February 28 of previous year
- Senior yearling heifer born after July 1 two years ago and before January 1 of previous year
- Cow born before July, two years ago
- Bull calf born after January 1 of current year

## Steer

Thursday, July 22

(Following Beef Breeding)

1. Steers must be weighed at Warren County Weigh-In locations in February of the current year to be nominated and eligible to show at the Warren County 4-H Show. *Contact Extension Office for alternate arrangements.*
2. Steers will be weighed Wednesday, July 21 at TBA and the number of classes will be determined after all

entries are weighed.

3. Steers must be born on or after January 1 of the previous year.
4. Steers will be mouthed only if a complaint is registered, in writing, with the Extension Office prior to Wednesday.
5. **Steers** – Exhibitor will receive only one premium paid per weight class. A total of two entries permitted. Animals will be divided into three weight divisions.
6. **Rate of Gain – Exhibit the following:** Any animal weighed, tattooed and designated as a Rate of Gain are weighed on Warren County Weigh-In dates February.

- **Awards** Champion and Reserve Champion Lightweight, Mediumweight and Heavyweight Steer and Rate of Gain. In case of a tie for Rate of Gain, a duplicated ribbon will be awarded. Grand Champion and Reserve Grand Champion Market Steer.

**Beef Showmanship:** See page 62 for Showmanship Rules/Explanation.

Exhibit in one of the following:

- Junior Division – 8-12 years old (may be divided into two groups day of show).
- Senior Division – 13-19 years old and previous winners of junior division.
- Advanced Division – Previous winners of Senior Division.

### **Bucket Calf**

4-H Superintendent: Kodiak Shimmin

**Wednesday, July 21**

(Following the Dairy Show)

1. Must be enrolled in the 4-H Beef project by January 1 in 4-H Online and have completed the Youth for the Quality Care of Animals training (YQCA) by May 1.
2. Exhibit one Bucket Calf.
3. Any newborn or orphaned calf, steer or heifer; may be either beef or dairy, any breed, born after January 1 and before May 1 of current year.
4. Animal must be in good health.
5. Calf must be raised by bucket or bottle-feeding.
6. Calves will be shown at halter.
7. Judging will be based on:
  - a) The fitting and showing of the calf according to beef or dairy guidelines with emphasis on the exhibitor.
  - b) General health, condition and management of the calf.
8. **This project is suggested for youth 8-12 years of age. 4-H members showing a steer, heifer or dairy are not eligible to show a bucket calf.**
  - **Award** Top Bucket Calf Showman.

### **DAIRY CATTLE**

4-H Superintendent: Kodiak Shimmin

**Wednesday, July 21**

1. See the current Exhibition Livestock Health Requirements County Fair website for general requirements and specific health requirements for this animal category. Any animals not meeting these requirements will not be allowed to show. Website address is found on page 79.
2. Must be enrolled in the 4-H Dairy Cattle project by January 1 in 4-H Online and have completed the Youth

for the Quality Care of Animals training (YQCA) by May 1.

3. **Members may enter no more than one (1) entry per class, and not more than a total of three (3) entries in the Dairy Cattle project.**
4. Dairy animals must be registered or high grade in the name of the exhibitor only.
5. Dairy entries will not be shown in beef classes.
6. Each exhibitor may show only one animal in each class.
7. All entries must have health certificates dated and signed by accredited veterinarian at time of show.
8. Registration papers or identification papers may be requested.

- **Award** Champion Dairy Showmanship
- **Calf:**  
Exhibit the following: Any breed, born on or after July 1 of previous year.
- **Heifer:**  
Exhibit the following: Any breed, born on or between July 1 and June 30 of previous year.
- **Cow:**  
Exhibit the following: Any breed, born before July 1, two years ago.

**Dairy Showmanship:** See page 62 for Showmanship Rules/Explanation  
Exhibit in the following:

- Combined Division – 8-19 years old

## CAT CARE

Saturday, June 26

Warren/Henderson Farm Bureau Auditorium

1. Must be enrolled in the 4-H Cat Project by January 1 and have completed the online Quality Assurance & Ethics Certification training (QAEC) by May 1.
2. All cats should show evidence of prior grooming, be clean, appear healthy and happy. Claws trimmed is recommended.
3. Cats with fleas will be disqualified from judging. Cats should be free from ear mites.
4. **If any cat bites, it will be excused from competition and will receive a white ribbon.**
5. **All cats must have rabies vaccination. Bring vaccination record with cat. Feline leukemia, distemper and rhinotracheitis shots are highly encouraged.**
6. Cats do not have to be registered or purebred.
7. All cats must be the property of the exhibitor or a family pet by January 1 of the current year and must be 4 months or older by show date.
8. Be prepared to answer the judge's questions concerning the care of your cat. **Bring your project manual with you to the judging. Project will lower one rating if manual is not present.**
9. All cats must be on a leash or in a carrying crate. Please provide water and shade while waiting. **DO NOT LEAVE YOUR CAT IN YOUR VEHICLE BEFORE OR AFTER JUDGING!**
10. Cats must be taken home after judging.
  - **Award** Overall Champion

Exhibit one cat to be judged on grooming and condition at the project level in which exhibitor is enrolled:

- Beginner Cat Care:** Exhibitor is using the *Purr-fect Pals!* Project Manual.
- Intermediate Cat Care:** Exhibitor is using the *Climbing Up* Project Manual.
- Advanced Cat Care:** Exhibitor is using the *Leaping Forward* Project Manual

# DOGS

Superintendent: Matt Greenlief

## Rules applying to Dog Care, Dog Obedience and Dog Showmanship:

- Must be enrolled in the 4-H Dog Project by January 1 and have completed the online Quality Assurance & Ethics Certification training (QAEC) by May 1.
- Female dogs in season may not participate in the county 4-H Dog Show or in the State Fair Dog Show. Female dogs in season may not be present on the fairgrounds.
- All dogs must be the property of the exhibitor or the exhibitor's immediate family, except in the case of dogs exhibited in the Dog Obedience or Showmanship classes, which may be leased by exhibitor. Paperwork due to office by June 1<sup>st</sup>.
- All dogs over 4 months old must have current rabies vaccinations. Rabies certificate must be available for inspection. It is also strongly recommended that dogs have DHLPP shots for your dog's protection.
- Dogs with fleas will be disqualified from judging and must leave the premises immediately.
- Dogs should be free from ear mites.
- Dog must be under the exhibitor's control on a leash or crated at all times, except as required for the obedience show.
- A dog that is not under control, or shows viciousness to people or other dogs will be excused from competition at the discretion of the judge, Extension staff or superintendent.
- **Please provide water and shade while waiting. DO NOT LEAVE YOUR DOG IN YOUR VEHICLE BEFORE OR AFTER SHOWING!**
- All dogs are to go home after judging.

## Dog Care

**Dog Care | Saturday, June 26**

Warren/Henderson Farm Bureau Auditorium

- No dogs are allowed in the building, except those that are being shown.
- Be prepared to answer the judge's questions concerning the care and health of your dog. **Bring your project manual with you to the judging. Project will lower one rating if manual is not present.**
- Dogs will be judged on their general condition, cleanliness, apparent health and attitude.
- **BEST OF SHOW** will be selected from those exhibitors who bring their project manual.
- **Dog Care:** Exhibit one dog to be judged on grooming and condition. Bring project manual.

## Dog Obedience, Showmanship, and Rally

**Tuesday, July 27 in the Allison Building (Henderson Fairgrounds)**

1. **Required: for the safety of all participants, spectators and animals, exhibitors must have completed an approved obedience training class (attended at least 6 sessions with their dog) prior to this exhibition.**
2. All dogs being shown in the Dog Obedience and Showmanship division must be trained by and belong to the exhibitor or to a member of the exhibitor's immediate family; or the dog can be leased with lease papers turned into the Extension office by June 1.
3. Exhibitors are limited to entering one dog in one obedience class and one dog in a showmanship class. The same dog may be shown in an obedience class and a showmanship class, or two different dogs may be used.
4. If a **State Fair qualifying score of 170 was achieved previously**, a dog cannot repeat the same class except

in *Graduate Novice, Pre Open, Open, Graduate Open and Utility*. Exhibitors may show for two (2) years in *Graduate Novice* providing the dog does not have a CDX or qualified for a leg on a CDX. *Open and Utility* exhibitors can show for three (3) years in these classes (Exception: if a dog has 3 qualifying scores for a degree prior to 6 months of the 4-H Dog Obedience Show, it must be shown in the next highest class).

5. **Exhibitor may enter Beginner Novice I class only once.** After exhibiting in the *Beginner Novice I* class, he or she must advance to *Beginner Novice II Class* or *Pre Novice Class*. Handler can chose to move up.
  6. All dogs must be leashed or crated while on the fairgrounds and under the supervision and control of the exhibitor at all times. Dogs and their handlers should remain in the designated waiting areas except as required for the show.
  7. Acceptable leashes are 6 ft. leather, nylon or canvas. No prong or electronic collars are allowed on dogs on the fairgrounds. Collars with identification tags are not show collars and should not be used in the show rings. Harnesses or other training aids (i.e. gentle leader) are not show collars.
  8. Dogs do not have to be AKC registered to show in the Obedience, Showmanship, or Rally show. AKC rules will be used for judging. If a dog has 3 qualifying scores for a degree prior to 6 months of the State Fair 4-H Dog Obedience Show, it must be shown in the next highest class. See Rule #4 for exceptions.
  9. Female dogs in season may not participate in the county 4-H Dog Show or in the State Fair Dog Show. Female dogs in season may not be present on the fairgrounds.
  10. A run-off will be held in case of a tie for a total score. All beginning level classes will use on-leash heeling exercises. All advanced classes will use novice off-lead heeling exercises.
  11. This is a State Fair qualifying exhibition opportunity and all State Fair rules and requirements will be followed.
  12. Signals given by the handler will be either voice or hand. Only 1 type of signal is used for each exercise.
  13. Exercises for all classes may be done in any order, depending upon scheduling and the judge's preference.
  14. Unless specified in the class requirements, Long Sit and Long Down exercises may be judged as a group, at the judge's discretion.
- **Awards:** Junior Showmanship Champion, Senior Showmanship Champion and Champion Obedience (high obedience score)
  - Other opportunities to achieve State Fair qualifying scores exist at the Mercer County Junior Dog Obedience Show and at AKC Obedience Trials. Exhibitors may participate in these shows at their own discretion and are responsible for obtaining their score sheet, signed and dated by the judge, and turning it in with their State Fair entry form.

**Dog Obedience:**

- **Beginner Novice I Class**

(For inexperienced handlers and inexperienced dogs)

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

- **Beginner Novice II Class**

(For experienced handlers and inexperienced dogs or experienced dogs and inexperienced handlers.)

1. Heel on Leash (forward, halt, right turn, left turn, about turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders will be given by utilizing posted signs  
 ..... Maximum points 40

2. Figure Eight (on leash) .....	Maximum points 40
3. Sit for Exam (on leash) .....	Maximum points 40
4. Sit Stay (walk around ring) .....	Maximum points 40
5. Recall (off leash front/no finish) .....	Maximum points 40
<b>• Preferred Novice Class</b>	
1. Heel on Leash and Figure 8 .....	Maximum points 40
2. Stand for Examination (off leash) .....	Maximum points 30
3. Heel Free (off leash) .....	Maximum points 40
4. Recall (off leash with finish) .....	Maximum points 30
5. Sit or Down Stay-Walk around the Ring.....	Maximum points 30
6. Sit Stay-Get Your Leash (off leash) .....	Maximum points 30
<b>• Novice Class</b>	
1. Heel on Leash and Figure 8 (on leash) .....	Maximum points 40
2. Stand for Examination (off leash) .....	Maximum points 30
3. Heel Free (off leash) .....	Maximum points 40
4. Recall (off leash) .....	Maximum points 30
5. Sit Stay – Get your leash (off leash) .....	Maximum points 30
6. Group Exercise – Sit & Down Stay (on leash) .....	Maximum points 30
<b>• Graduate Novice Class</b>	
1. Heel Free and Figure 8 (off leash) .....	Maximum points 40
2. Drop on Recall .....	Maximum points 40
3. Dumbbell Recall .....	Maximum points 30
4. Dumbbell Recall over High Jump .....	Maximum points 30
5. Recall over Broad Jump .....	Maximum points 30
6. Stay-Get your leash (sit, Down) .....	Maximum points 30
(Exercise 5 & 6 will be judged as group)	
<b>• Preferred Open Class</b>	
1. Heel Free and Figure 8 .....	Maximum points 40
2. Command Discrimination (Stand, Down, Sit) .....	Maximum points 30
3. Drop on Recall .....	Maximum points 30
4. Retrieve on Flat .....	Maximum points 20
5. Retrieve over High Jump .....	Maximum points 30
6. Broad Jump .....	Maximum points 20
7. Stay-Get your leash (Sit, Down) .....	Maximum points 30

**RALLY OBEDIENCE**

1. The event will be timed. In the event of a tie score, the fastest time will break the tie.
2. A Dog/Handler must receive 3 qualifying scores before advancing to the next level.
3. Suggested Rally rings should be between 2000 & 3000 square feet with a minimum width of 30 feet.
4. Unless otherwise noted, handler may speak to the dog, pat their leg, or clap their hands to encourage.

**Rally Obedience:** 4-H'ers aged 8-18 years who have obtained a qualifying score of 70 or above with their dog at a County 4-H Show, County 4-H Obedience Class Graduation Trial, or an AKC Rally Trial.

- ✓ **Rally Novice (50413)** 10-15 signs are used (not including start and finish). Three to seven of the signs must be “stationary” signs. Performed on leash.

- ✓ Rally **Intermediate** (50414) A total of 10 -17 signs are used (not including start and finish). Three to seven of the signs must be “stationary” signs. At least three “advanced” signs. Performed on leash.
- ✓ **Rally Advanced** (50415) A total of 10-17 signs are used (not including start and finish). Three to seven of the signs must be “stationary” signs. At least three “advanced” signs. Dog must jump once. Performed off leash.

### **Dog Showmanship**

Showmanship exhibitors will be judged on handling skill, knowledge of breed standards of their dog, dog show terminology and elementary dog anatomy. Be prepared to answer questions from the judge. The judge has the right to question exhibitors in one or all of these areas. Dogs will be judged on cleanliness, general health and grooming. Purebred and non-purebred dogs are eligible for this class. The breed of the dog has no bearing on judging or placement. One Junior Showmanship dog/handler team winner and one Senior Showmanship dog/handler team winner will be eligible to compete and represent Warren County at the State Fair Dog Show. If the winning team cannot attend, an alternate team may be entered.

- Junior Showmanship – For handlers age 8-13 years (age as of September 1 of previous year).
- Senior Showmanship – For handlers ages 14 and older (age as of September 1 of previous year).

## **GOATS**

4-H Superintendent: Madison Mallory and Editha Ray

**Wednesday, July 21**

Following the Dairy Show

1. See the current Exhibition Livestock Health Requirements County Fair website for a listing of the general requirements and specific health requirements for this animal category. Any animals not meeting these requirements will not be allowed to show. Website address can be found on page 79.
  2. Must be enrolled in the 4-H Goat project by January 1 in 4-H Online and have completed the Youth for the Quality Care of Animals training (YQCA) by May 1.
  3. Turn in declared weights for wethers at 12:00 p.m. on Wednesday July, 21 and check in Does. (Scales will be available to those who do not know animal’s weight. Declared weights need to be within 5 pounds of the current weight. Livestock that does not meet this requirements may be disqualified. *Note: the superintendent holds the right to weight any animal at any time.*)
  4. **Members may enter no more than one (1) entry per class, and not more than a total of twelve (12) entries in the Goat project.**
  5. Market Animals will be weighed to divide classes. **Maximum of 2 Market Animals total.**
  6. Goat entries may be grade, percentage or fullblood.
  7. Exhibitors can show dairy goats, pygmy goats, meat breeds, and other breeds goats.
  8. Individual identification of each animal shall be by an ear tattoo, official metal or plastic tag, or other positive identification.
  9. No bracing or icing of Market Animals.
- **Awards** Champion and Reserve Champion Dairy, Meat and Other Breeds Doe. Champion Goat Showmanship. Overall Grand Champion and Reserve Grand Champion Doe and Market Goat.

**Dairy:**

Must be enrolled in the 4-H Dairy Goat project by January 1.

Exhibit one entry in any or all of the following:

- Junior doe kid, born after Mar. 15 of current year
- Senior doe kid, Jan. 1 to Mar. 15 of current year
- Dry yearling
- Milking doe, first freshener, 2 years and under
- Milking doe, 2-4 years, twice fresh
- Milking doe, 4 years and older
- Wether

**Other Breeds to include Pygmy:**

Must be enrolled in the 4-H Dairy Goat or Meat Goat project by January 1.

Exhibit one entry in any or all of the following:

- 0 to under 4 months
- 4 to under 8 months
- 8 to under 12 months
- 12 to under 24 months
- 24 to under 36 months
- 36 and over

**Meat Breeds:**

Must be enrolled in the 4-H Meat Goat project by January 1.

Exhibit one entry in any or all of the following:

- 0 to under 4 months
- 4 to under 8 months
- 8 to under 12 months
- 12 to under 24 months
- 24 to under 36 months
- 36 and over

**Market Animals:**

Must be enrolled in the Meat Goat project by January 1.

All Wethers & Market Does (total of 2) will declare weights at noon.

Exhibit the following:

- Wethers & Market Does will be divided into weight classes. Exhibitor will receive only one premium paid per weight class. A total of two entries permitted. Market Does cannot be shown in Breeding classes.

**Goat Showmanship:** See page 62 for Showmanship Rules/Explanation

Exhibit in one of the following:

- Junior Division – 8-12 years old
- Senior Division – 13-19 years old and previous winners of junior division.
- Advanced Division – Previous winners of senior division.

# HORSES

4-H Superintendents: Sara Evans Brown

**Monday, July 26**

1. Rule changes & new information are based on the Illinois State Fair Junior Department Premium Book and while not affiliated with the following organizations, the show rules of the AQHA and the ASHA will be used as guidelines.
2. Protective head gear with safety harness (fastened and buckled) is REQUIRED for all 4-H riders whenever mounted, inside or outside the arena, including the Costume Class. Helmets must meet ASTM/SEI standards. **Helmets *may* be available to borrow through the Extension office, but exhibitor must contact the Extension office by July 1 to reserve a helmet.**
3. Illinois Department of Agriculture Requirements apply (page 79).
4. Horses must be accompanied by proof of a negative Coggins test. Please be prepared to present upon request.
5. Exhibitors using the barn MUST help clean it out after the show, when applicable.
6. One (1) entry per class. Refer to "Agricultural Premium Fund (APF)" statement on page 11.
7. **Class age requirement are "4-H age" which is age as of September 1 of previous year, not age as of the show date.**
8. All 4-H horses or ponies MUST have ownership and/or lease papers and pictures on file with the Extension Office by MAY 1 of the current year. Failure to meet this deadline will result in not being able to participate in the 4-H Show.
9. Exhibitors are required to wear a **white long sleeved shirt, nice jeans and boots, or appropriate Western or English attire.** Protective head gear is required, **not optional**, for all riding classes. Head gear must have safety harness and needs to be fastened and buckled. Helmets must meet ASTM/SEI standards.
10. The exhibitor must be able to 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 (May 1 of current year), and that this project has not been cared for by a professional fitter/trainer or maintained at a professional fitters/trainers facilities **after** that date.
11. No one other than the project member and the member's family 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.
12. Exhibitor helpers, if needed, must be 4-H members. **Failure to cooperate will result in disqualification of the 4-H members being assisted.**
13. **Adults, youth or 4-H members who are not currently enrolled in a Warren County 4-H Horse Project are not allowed to mount any horse** (see rule 11 for exceptions).
14. NO STALLIONS born before January 1 of the current year.
15. Exhibitor must be able to control his or her horse. If rider is not able to control his or her horse, Superintendents and/or Extension Staff may dismiss horse and rider from arena for safety of all participants and animals.
16. In case of inclement weather, the 4-H and/or fair superintendents reserve the right to alter or cancel any classes that may result in injury to either horse or rider.
17. Exhibitor must be enrolled in Horse project in 4-H online by January 1 and have completed the online Quality Assurance & Ethics Certification training (QAEC) by May 1.

**Awards:** Grand Champion and Reserve Grand Champion Pony, Grand Champion and Reserve Grand Champion Horse. Showmanship also awarded.

## Conformation

- **Open American Miniature** – Horse must measure no more than 34 inches in height at maturity.
- **Pony Yearling and Under**
- **2 Years and Older Pony** – 56” and under
- **Horse Yearling and Under**
- **2 Year and Older Horse Western**
- **2 Year and Older Horse English**

## Showmanship

- **Plaques Awarded:** Junior, Senior and Advanced Showmanship
- All exhibitors competing in showmanship classes must also have participated as a registered 4-H exhibitor in at least one other class for this species.
- Junior division applies to 4-H members who have never won a Showmanship class through age 12.
- Senior division applies to 13-18 year old members who have *not* won this class, and all past years’ junior class winners who received a Blue Award.
- Advanced division applies to all past winners of the Senior division who received a Blue Award.
- Age is determined by the exhibitor’s age on September 1 of the previous year.
  - **Junior Division** – 8-12 years old
  - **Senior Division** – 13-18 years old and previous **Blue Award** winners of Junior Division (**previous Red Award winners do not advance unless they meet age requirement**).
  - **Advanced Division** – Previous **Blue Award** winners of Senior Division (**previous Red Award winners do not advance to this division**).

## Riding Classes:

- **Bareback (All Ages)**
- **Warm Up Break (20 minutes)**
- **Grand Entry** – All exhibitors/riders are asked to participate. If an exhibitor is not riding, but only exhibiting in halter classes, those horses may be led to the center of arena before riders enter.
- **Hunter Hack** (English Horses only)
- **English Pleasure** (All Ages)
- **English Equitation** (All Ages)
- **Walk-Trot** (12 & under, optional tack)
- **Walk-Trot** (13-18, optional tack)
- **County Pleasure** (12 & under, Walk & Favorite Gait)
- **Country Pleasure** (13-18, Walk & Favorite Gait)
- **Pony Western Pleasure** (All Ages, 56” & under)
- **Western Pleasure** (12 & under)
- **Western Pleasure** (13-18)
- **Age 8-11 Western Horsemanship** – Pattern\*:

Walk	Stop	Trot	Stop	Back-Up
X-----	X-----	-----	-----	X

<input type="checkbox"/> <b>Age 12-14 Western Horsemanship</b> – Pattern*:	Trot	Stop	Canter/Lope	Stop	Back-Up
-----	X-----	-----	-----	-----	X X

<input type="checkbox"/> <b>Age 15-18 Western Horsemanship</b> – Pattern*:	Right Lead	Canter/Lope	Stop	Left Lead	Canter/Lope	Stop	Back-Up
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\*Patterns may be used at judge’s discretion. Judge may utilize any or all of the above patterns, or alternate patterns at his/her discretion.

- Novelty Class** – Egg & Spoon
- Poles** (12 & under)
- Poles** (13-18)
- Barrels** (12 & under)
- Barrels** (13-18)
- Flags** (12 & under)
- Flags** (13-18)
- Plug Race** (12 & under)
- Plug Race** (13-18)
- Novelty Class** – Bribe Your Horse
- Costume Class**

### **POULTRY**

4-H Superintendent: Randi Shimmin  
**Wednesday, July 21**

1. See the current Exhibition Livestock Health Requirements County Fair website for a listing of the general requirements and specific health requirements for this animal category. Any animals not meeting these requirements will not be allowed to show. Website address can be found on page 79.
  2. Must be enrolled in the 4-H Poultry project by January 1 in 4-H Online and have completed the online Quality Assurance & Ethics Certification training (QAEC) by May 1.
  3. **Members may enter no more than one (1) entry per class, and not more than a total of twelve (12) entries in the Poultry project.**
  4. Each exhibitor will complete a pen card with member’s name, club, breed and age of the animal.
  5. The American Standards of Perfection will be the poultry standards.
  6. **Cockerel and pullets must be hatched after January 1 of current year.**
  7. **Ducks, geese, turkeys, and other may be any age.**
  8. **No chickens allowed in the “Other” division.**
  9. Poultry will be released at the conclusion of judging.
  10. A bird shown as part of a Meat trio may not be exhibited in any Breeding class.
- **Awards** Champion and Reserve Champion Male, Female, Pen and Egg Production. Champion Poultry Showmanship. Overall Grand Champion and Reserve Grand Champion Poultry.
  - **Dual Purpose and Heavy Breed** Exhibit one entry in any or all of the following:
    - Male
    - Female
    - Pen (1 cockerel, 2 pullets)
  - **Egg Type** Exhibit one entry in any or all of the following:
    - Male
    - Female
    - Pen (1 cockerel, 2 pullets)

- **Meat** Exhibit one entry in any or all of the following:
  - Male
  - Female
  - Pen (3 chickens)
- **Fancy and Bantam** Exhibit one entry in any or all of the following:
  - Male
  - Female
  - Pen (1 cockerel, 2 pullets)
- **Ducks** Exhibit one entry in any or all of the following:
  - Male
  - Female
  - Pair (1 drake, 1 hen)
- **Geese** Exhibit one entry in any or all of the following:
  - Male
  - Female
  - Pair (1 gander, 1 goose)
- **Turkey** Exhibit one entry in any or all of the following:
  - Male
  - Female
  - Pair (1 tom, 1 hen)
- **Other: Peacocks, Doves, Quail, etc. NO CHICKENS** Exhibit one entry in any or all of the following:
  - Male
  - Female
  - Pair
- **Egg Production** Exhibit the following: 1 dozen eggs
  - Brown & other colors (chicken)
  - White (chicken)
  - Other (not chicken)

**Poultry Showmanship** See page 95 for Showmanship Rules/Explanations.

- Exhibit in one of the following:
  - Junior Division: 8-12 years old.
  - Senior Division: 13-19 years old and previous winners of junior division.
  - Advanced Division: Previous winners of senior division.

## RABBITS

4-H Superintendent: Randi Shimmin

**Wednesday, July 21**

1. See the current Exhibition Livestock Health Requirements County Fair website for a listing of the general requirements and specific health requirements for this animal category. Any animals not meeting these

- requirements will not be allowed to show. Website address can be found on page 79.
2. Must be enrolled in the 4-H Rabbit project by January 1 in 4-H Online and have completed the online Quality Assurance & Ethics Certification training (QAEC) by May 1.
  3. **Members may enter no more than one (1) entry per class, and not more than a total of twelve (12) entries in the Rabbit project.**
  4. Each exhibitor will complete a pen card with member's name, club, breed and age of the animal.
  5. Rabbits will be released at end of judging.
  6. Exhibitors must be able to handle their own rabbit without the help of outsiders.
- **Awards** Champion and Reserve Champion Commercial Buck, Commercial Doe, Fancy Buck and Fancy Doe. Champion Rabbit Showmanship. Grand Champion and Reserve Grand Champion Buck and Doe.

**Commercial** Exhibit one entry in any or all of the following:

- Senior Buck—a buck that is over 8 months old
- Senior Doe—a doe that is over 8 months old
- 6-8 Buck—a buck that is 6-8 months old
- 6-8 Doe—a doe that is 6-8 months old
- Junior Buck—a buck that is under 6 months old
- Junior Doe—a doe that is under 6 months old

**Fancy** Exhibit one entry in any or all of the following:

- Senior Buck – a buck that is over 6 months old
- Senior Doe – a doe that is over 6 months old
- Junior Buck—a buck that is under 6 months old
- Junior Doe—a doe that is under 6 months old
- **Single Fryer** – One rabbit that weighs between 3-5 pounds, under the age of 70 days. **Cannot** be over 5 pounds.
- **Meat** – Three fryers that weigh the same and are under the age of 70 days; from the same litter. **Cannot** be over 5 pounds.

**Rabbit Showmanship:** See page 62 for Showmanship Rules/Explanation.

Exhibit in one of the following:

- Junior Division – 8-12 years old
- Senior Division – 13-19 years old and previous winners of junior division
- Advanced Division – previous winners of senior division

## SHEEP

4-H Superintendent: Madison Mallery and Editha Ray  
**Thursday, July 22**(Following the Swine Show)

1. See the current Exhibition Livestock Health Requirements County Fair website for a listing of the general requirements and specific health requirements for this animal category. Any animals not meeting these requirements will not be allowed to show. Website address can be found on page 79.
2. Must be enrolled in the 4-H Sheep project by January 1 on 4-H Online and have completed online Youth for the Quality Care of Animals (YQCA) by May 1.
3. **Members may enter no more than one (1) entry per class, and not more than a total of twelve (12)**

**entries in the Sheep project.**

4. All lambs must be docked and washed to be eligible to exhibit.
5. Lambs must have been dropped after September 1 of previous year.
6. Breeding pen will consist of two lambs – two Ewes or a Ram and an Ewe.
7. The 4-H member may use the same animal as a single and in the breeding pen.
8. Exhibitors will receive one premium per weight class with a total of two entries permitted.
9. Wethers must have declared weights turned in on Wednesday, July 21 from 6-7:30 p.m. (Scales will be available to those who do not know animal’s weight. Declared weights need to be within 5 pounds of the current weight. Livestock that does not meet this requirement may be disqualified. *Note: the superintendent holds the right to weigh any animal at any time.*)

- **Awards** Champion and Reserve Champion breeding animal in each breed, Breeding Pen, and Pair of Wethers. Champion Sheep Showmanship. Grand Champion and Reserve Grand Champion Ewe and Wethers.

**Breeding Sheep**

Breeds will be divided into age classes and will show in the following order. Exhibitors may show one entry per class (i.e. 1 Suffolk Yearly Ewe, AND 1 Suffolk Fall Ewe Lamb, AND 1 Dorset Yearling Ewe, etc.).

- **Yearling Ewe** – Born prior to 9/1 of previous year
- **Fall Ewe Lamb** – Born 9/1 to 12/31 of previous year
- **Early Spring Ewe Lamb** – Born 1/1 to 2/15 of current year
- **Late Spring Ewe Lamb** – Born after 2/15 of current year
- **Ram Lamb**
- **Breeding Pen**

Breeds	
Crossbred	Other Purebred
Dorset	Shropshire
Hampshire	Southdown
Montadale	Suffolk

**Market Lambs**

- Declared weights need to be turned in on Wednesday, July 21 from 6-7:30 p.m. (Scales will be available to those who do not know animals weight. Declared weights need to be within 5 pounds of the current weight. Livestock that does not meet this requirement may be disqualified. *Note: the superintendent holds the right to weigh any animal at any time.*)
- **Wethers or Ewe Lambs not eligible for the breeding show**— Exhibitor will receive only one premium paid per weight class. A total of two entries permitted.
- **Pair of Market Lambs** – Exhibit one pair of wethers.
- **Award** Grand Champion Market Lamb

**Sheep Showmanship:** See page 62 for Showmanship Rules/Explanation.

Exhibit in one of the following:

- Junior Division – 8-12 years old.
- Senior Division – 13-19 years old and previous winners of junior division.
- Advanced Division – Previous winners of senior division.

**SWINE**

4-H Superintendent: Lynn Shimmin

**Thursday, July 22 at 8 AM**

1. See the current Exhibition Livestock Health Requirements for County Fair website for a listing of general requirements and specific health requirements for this animal category. Any animals not meeting these

requirements will not be allowed to show. Website address on page 79.

2. Must be enrolled in the 4-H Swine project by January 1 in 4-H Online and have completed the Youth for the Quality Care of Animals training (YQCA) by May 1.
3. **Members may enter no more than one (1) entry per class, and not more than a total of twelve (12) entries in the Swine project.**

## Breeding Swine

1. No boars.
2. Gilts must have been farrowed on or after January 1 of current year.
3. Litter shall be three animals, not to include more than one barrow and must be the offspring of one sow. A litter must have at least two gilts and could consist of three gilts.
4. All litters must be ear notched.
5. Crossbred: Gilts will be divided into classes by weight, not age.
6. Declared weights will need to be turned in on Wednesday, July 21 from 6 - 7:30 p.m. (Scales will be available to those who do not know animal's weight. Declared weights need to be within 5 percent of current weight. Livestock that does not meet this requirement may be disqualified. *Note: the superintendent holds the right to weigh any animal at any time.*)
7. Two classes for each breed of gilts will show: January gilts and February gilts.

- **Awards** Champion and Reserve Champion Gilts and Litter. Grand Champion and Reserve Grand Champion Gilt. Champion Swine Showmanship.

### **Gilts** One entry per class:

- All Other Breeds: January Gilt and February Gilt
- Black Poland: January Gilt and February Gilt
- Chester White: January Gilt and February Gilt
- Crossbred: Exhibitor will receive only one premium paid per weight class. A total of two entries permitted. Animals will be divided into weight divisions.
- Duroc: January Gilt and February Gilt
- Hampshire: January Gilt and February Gilt
- Landrace: January Gilt and February Gilt
- Spotted: January Gilt and February Gilt
- Yorkshire: January Gilt and February Gilt

### **Litters**

One entry per class:

- All Other Breeds
- Black Poland
- Chester White
- Crossbred
- Duroc
- Hampshire
- Landrace
- Spotted
- Yorkshire

**Swine Showmanship:** See page 62 for Showmanship Rules/Explanation

Exhibit in one of the following:

- Junior Division – 8-12 years old.
- Senior Division – 13-19 years old and previous winners of junior division.

- Advanced Division – Previous winners of senior division.

### **Barrows**

1. Each 4-H member may exhibit two single barrows farrowed on or after January 1st of current year.
  2. Single barrows and pairs of barrows must declare weights on Wednesday, July 21 from 6-7:30 p.m. and divided into weight classes. (Scales will be available to those who do not know animals weight. Declared weights must be within 5 percent of the current weight. Livestock that does not meet this requirement may be disqualified. *Note: the superintendent holds the right to weigh any animal at any time.*)
  3. Both barrows exhibited as a pair of barrows must be owned by the exhibitor.
- **Awards** Champion and Reserve Champion light weight, medium weight, and heavy weight Barrows and Pair of Barrows. Champion Swine Showmanship. Grand Champion and Reserve Grand Champion Barrows.
  - **Single Barrows** – Exhibitor will receive only one premium paid per weight class. A total of two entries permitted. Animals will be divided into three weight divisions.
  - **Pair of Barrows** – Exhibitor will receive only one premium paid per weight class. A total of two entries permitted. Animals will be divided into three weight divisions.

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**Illinois Department of Agriculture Bureau of Animal Health and Welfare  
2021 Exhibition Livestock Health Requirements for County Fairs can be found  
online at:**

**<https://www2.illinois.gov/sites/agr/Animals/AnimalHealth/Documents/2021%20County%20Fair%20Exhibition%20Health%20Requirements.pdf>**

**Printed copies are also available at your local Extension office.**

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