

# 2021 Knox County 4-H Showbook





## Illinois 4-H Safety Requirements for In-Person Events

***This fairbook 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 are tentative. Please use this draft fairbook to begin reviewing project requirements.***

We're looking forward to the 2021 season! As Illinois 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.

We are preparing for the possibility of returning to in-person events, based on local conditions at that time and in conjunction with current IDPH guidelines.

If current local conditions are conducive to in-person events, the opportunity for face-to-face judging for Knox County will require that all participants, spectators, and volunteers adhere to Illinois 4-H event guidelines. We are counting on our 4-H members, their families, and our staff and volunteers to do their part to help make our upcoming events as safe as possible, whatever format they take.

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 directly at 309-342-5108. 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!

# University of Illinois Extension 4-H Code of Conduct

All participants in events and/or activities planned, conducted, and supervised by the University of Illinois Extension and 4-H, are responsible for their conduct to U of I Extension personnel and/or volunteers supervising the events. This responsibility is necessary for the health, safety, and welfare of the participants, will be rigidly adhered to, and will be uniformly enforced. The following conduct is not allowed while participating in any 4-H event or activity and is subject to disciplinary action:

## Category 1

- a) Possession, use or distribution of alcohol and other drugs, including tobacco products.
- 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 that endanger the safety of the participant or others.

## Category 2

- a) Willfully breaking curfew.
- b) Unauthorized use of vehicles.
- c) Participation in gambling.
- d) Absence from the planned program.
- e) Intentionally interfering with or disrupting the events.
- f) Use of profane or abusive language.
- g) Disregard for public or personal property.
- h) Public displays of affection or inappropriate actions.
- i) Failure to comply with direction of Extension personnel, including designated adults acting within their duties and guidelines.

**Consequences:** 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 Category 2. In all cases, the participant will be responsible for restitution of any damages incurred by his/her actions.

**Category 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 his/her parent or guardian. 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. Documentation must be completed on an "Incident Report Form"

**Category 2:** 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. 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, letter d-i, will receive a verbal and written warning (initialed by the adult and 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.

## University of Illinois 4-H Code of Conduct *continued*

- Treat all people fairly and animals humanely.
- Respect the property of others.
- Respect the authority of adult or youth volunteers, paid Extension staff, and others in leadership roles.
- Use appropriate language and wear acceptable clothing at 4-H activities and events.
- Show kindness to others and give assistance when needed.
- Be honest and honor commitments.
- Strive for personal best and keep trying to improve.
- Accept responsibility for personal choices.
- No drugs/alcohol or use of drugs/alcohol will be allowed.
- All lights out at midnight.
- No excessive noise so those who want to sleep may do so.
- Any person in violation of the guidelines will have their parents notified immediately and the matter will be addressed according to the 4-H Management Handbook

# Knox County 4-H Community Club Leaders

## **Bracken Busy Bees**

Ronda Brooks  
Jeanne Gardner

## **Delong Livestock**

Tabitha Beardsley  
Joy Link

## **Hague Hustlers**

Tracey Bailey  
Sarah Brown

## **Henderson Aggies**

Val Hawkins  
Carrie Hawkinson

## **Henderson Aggies Cloverbuds**

Melissa Huizenga

## **Knox County Power Clovers**

Jennifer Ulm  
Joe Webel

## **Knox County Power Clovers**

**Cloverbuds**  
Erin Martin

## **Rio Livestock**

Erica Alexander  
Christinel Cain  
Jarid Cain  
Jessica Kuelper

## **Rising Clovers & Cloverbuds**

Kara Downin  
Ashleigh Schneider

## **Rusty Spurs**

Rebecca Curry  
Kimberly Minarik

## **Union**

Becky Hennenfent  
Kim Inniss

## **Victoria Cloverleaf & Cloverbuds**

Missy Lindquist  
Mark Peterson

## **Walnut Grove Progressors**

Janelle West  
Jay West

## **Walnut Grove Progressors Cloverbuds**

Koreen Jurgensen

## **Wataga Trailblazers**

Diane Holmes  
Pete Holmes

## **Williamsfield Town & Country**

Randy Newell  
Grant Strom

## **Williamsfield Town & Country Cloverbuds**

Leah Newell

# Knox County 4-H Federation Board

Katelyn Engel, *President*  
Paige Nimrick, *Treasurer*  
Andrew Hawkinson, *Director*

Hannah Maher, *Vice President*  
Annika Spring, *Reporter*  
Jack Link, *Director*

Molly Warner, *Secretary*  
Kyle Engel, *Recreation Chair*  
Emma Seiboldt, *Director*

## **Knox County Extension Staff**

Lisa Torrance, County Director  
Shelby Carlson, 4-H Youth Development Educator  
Nicole Nelson, Program Coordinator, 4-H and Youth Development  
Julian Inniss, Program Coordinator, 4-H SPIN  
Avis Skinner, Office Support Assistant  
Lisa Lincoln, Office Support Associate  
Chris Enroth, Horticulture Educator  
Wendy Ferguson, Program Coordinator, Horticulture  
Tessa Hobbs-Curley, Family Life Educator  
Carrie McKillip, Community and Economic Development Educator  
Amy Finley, Community Worker, SNAP-ED  
Jackie Spence, Publicity and Promotion Specialist

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

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

If you need reasonable accommodations to participate in the program, please contact your local extension office.

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

In order to exhibit at the 2021 Knox County 4-H Show, you must have attended four of your 4-H club meetings. You will also need to give a talk/demonstration at your meeting. If you were unable to attend four meetings, you will not be able to exhibit. The only exception to this rule is for college students and youth attending boarding school.

These youth must have turned in a contract by December 1 of the current year stating their agreement with University of Illinois Extension to do volunteer service to 4-H if they were unable to attend the required number of meetings.

## DATES TO REMEMBER

**May 1** – Horse ownership, lease papers and photos due to the Extension Office.

**June 1** – Dog ownership, lease papers and photos due to the Extension Office.

**June 7** – County Show entries are due by 11:59 PM and located at <https://faireentry.com/GlobalSignIn>

**July 1** - Illinois State Fair junior show and open show livestock entries due to Illinois State Fair.

**July 26-Aug 1** – Illinois State Fair Junior Horse/Pony Show

**August 1** – Entries due for State Fair

**August 12-22** – Illinois State Fair

**August 15** – County Exhibit Day (Knox County) at Illinois State Fair

**August 28** – Illinois State Fair Junior Dog Show (Dixon, IL)

## Livestock & General Show Committee Members

Mary Austin

Tabitha Beardsley

Jennifer Carlson

Rebecca Curry

Joe Dikeman

Dean Emstrom

Steve England

Amy Finley

Rhonda Flack

Kevin German

Kelli Hand

Nikki Hidden

Debra Jackson

Nathan Link

Rob Link

Roger Malone

Tom O'Connor

Bob Palmer

Greg Poyzer

Gary Shreeves

Kaarina Stanley

Mike Strom

Mallory Tolley

Sherry Wallace

Carl Wilcoxson

## SHOWMANSHIP RULES

Showmanship classes are open to all 4-H'ers enrolled in species they wish to show in. Animal shown must be property of exhibitor.

- **Dogs and Horse/Pony do require advance registration. Horse show participants are required to wear helmets.**

- Beef, sheep, goats, swine and horses have an Intermediate Division

### Age at the time of show:

- 8-10 Junior
- 11-13 Intermediate
- 14-19 Senior

- Poultry and rabbits

### Age at the time of show:

- 8-12 Junior
- 13-18 Senior

- Dog Show

### Age of 4-H member as of September 1, 2019 with only a Jr and Sr Division.

- 8-13 Junior
- 14-19 Senior

## EDUCATIONAL OBJECTIVES

The purpose of the Knox County 4-H Show is to provide the youth participants with the opportunity to accomplish the following objectives:

1. Participate in a quality educational experience through interaction with experts in a given project field.
2. Exhibit the products and skills of their project work.
3. Showcase the talents of the individual participants and the 4-H program.

## KNOX COUNTY 4-H POLICIES

The following is a list of policies to guide 4-H club work in Knox County.

1. A tour (either project or educational) and a local club achievement meeting can be counted as a regular meeting if a business meeting is held.
2. Only those projects enrolled in 4HOnline by March 1st may be exhibited at the General Show.
3. Each 4-H'er must **exhibit their own project**. If a 4-H'er becomes ill, or there is illness or death in the family or in military service, they may be excused from the show and have another Knox County 4-H member exhibit for them. If a member is unable to attend the fair for any other reason, the 4-H Program Coordinator should be contacted by July 1st to arrange absentee paperwork. COVID related accommodations will also be made.
4. To attend State Fair in any 4-H project a member must be present (or use COVID accommodations) at the Knox County 4-H Show for non-livestock exhibits to be eligible.
5. Any Knox County 4-H member who becomes involved in a major discipline situation will be barred from participation in any 4-H activity outside Knox County for a period of one year. A second infraction of good conduct at a 4-H function would be cause to disqualify the member from membership in Knox County 4-H.
6. Knox County 4-H premiums are determined by the number of exhibits and monies allotted from the State of Illinois Agricultural Premium Fund: Blue - 3x; Red - 2x; and White - 1x. Club exhibits: Blue - 3x; Red - 2x; and White - 1x. **Only 1 premium will be paid per class.**
7. Entries should be made at <https://faireentry.com/GlobalSignIn> See your leader for questions about project exhibits. Entries must be selected at <https://faireentry.com/GlobalSignIn> by **Monday, June 7, 2021, at 11:59 pm. Late entries will not be accepted.**
8. All non-livestock and small pets will be judged according to the Conference Judging Schedule on July 10, 2021. 4-H'ers should be present at the time of judging. Schedule will be released closer to the show dates.
9. Each project must be groomed by the 4-H'er or with the assistance of their family or other 4-H member. All exhibitors of animals at any Illinois fair or exhibition (including the Knox County 4-H Show) shall comply with the provision of the Illinois Humane Care for Animals Act. If violations are observed, the animal(s) will be excused from exhibition and be ordered to be removed from the grounds with all awards being forfeited at the discretion of the Knox County 4-H Livestock Committee. As determined by fair officials, superintendents, veterinarians, any practice or deviation from normal humane husbandry practices, including, but not limited to artificial manipulations, physical abuse, medical treatments or mechanical applications of any substance, other than on the prescription of a licensed veterinarian, will constitute a violation of show rules and are subject to the above provisions. Illinois Department of Agriculture personnel can collect blood or tissue or urine samples from any animal being exhibited and/or raced at any Illinois fair (including the Knox County 4-H Show) to test for the presence of illegal drugs.
10. No 4-H member enrolled in Knox County 4-H may stay overnight on the Knox County Fairgrounds property during the dates of the 4-H Show, July 10-13, 2021 (tentative).
11. Each 4-H'er may exhibit only one entry per class unless specified otherwise.
12. Animals shown in the showmanship class must be owned by the 4-H member showing it unless specified otherwise by the judge. Exceptions are made for Master Showmanship.
13. All livestock exhibited must have been fed by, cared for and been the property of the exhibitor during the required tenure of ownership. The project cannot be cared for by a professional fitter or maintained at a professional fitter's facilities. Any time this project is at a professional fitter's for more than one day's duration is cause for disqualification.
14. INNOVATION CLASS: This class is open to all 4-H members in the project areas listed. Members choosing to exhibit in the Innovation class may be enrolled in any level of the project they are studying. Members choosing to exhibit in the Innovation class decide the best way to show off their project mastery and knowledge for the year in that project category. Some suggestions are provided for each category, but members may choose any method they want for demonstrating project learning as long as it does not fit in any other class in that category. Only selected projects categories have an Innovation option.



15. **READY4LIFE CLASS:** This class is open to any 4-H member who was at least 11 by September 1, 2020. Members choosing to exhibit in the Ready 4 Life class may be enrolled in any level of the Project they are studying. Exhibits should show the connection between the project area and related career or business opportunities. Members may choose any method they want for demonstrating project learning.
16. **NO ALCOHOLIC BEVERAGES PERMITTED ON THE FAIRGROUNDS ANYTIME BY ANYONE**
17. Any questions regarding projects or project entry shall be decided upon by the 4-H General Show or Livestock Committee and Extension staff. All decisions will be final.
18. No dogs allowed on the fairgrounds unless exhibiting the dog for that day, with the exception of service dogs.
19. In order to exhibit at the 2021 Knox County 4-H Show, you must have attended four of your 4-H club meetings. You will also need to give a talk/demonstration at your meeting. If you were unable to attend four meetings, you will not be able to exhibit. The only exception to this rule is for college students and youth attending boarding school. These youth must have turned in a contract by December 1 of the current year stating their agreement with University of Illinois Extension to do volunteer service to 4-H if they were unable to attend the required number of meetings.

**SPECIAL NOTE:** Occasionally a 4-H member's exhibit is left in the building after the 4-H Show is over. Please place your name on your item in an inconspicuous place so you can find your project. Flowers, food, plants, and vegetables will be discarded if not picked up. Project pick up times will be announced closer to the show date.

# State Fair Notes

## Non-Livestock General Rules

### EXHIBITORS:

1. Exhibitors must have been pre-selected by their county 4-H Extension program as a state fair exhibitor.
2. Exhibitors must be currently enrolled as a 4-H member and have been at least 8 years old as of September 1, 2020. Parents and leaders should make provisions for the adequate care and supervision of exhibitors.
3. Exhibitors must be enrolled in the project or have participated in the activity in which they are exhibiting during the current year. Due to the nature of the conference judging process, exhibitors must be present with the exhibit on Sunday, August 15. Scheduling adjustments for religious reasons may be requested by contacting the Illinois State 4-H Office at [illinois4H@illinois.edu](mailto:illinois4H@illinois.edu) by August 1, 2021.
4. Exhibitors must be present for judging. No Skype or Face Time sessions will be allowed. If a 4-H member needs a reasonable accommodation to participate in the General Project Show, please contact the Illinois State 4-H Office @ [illinois4H@illinois.edu](mailto:illinois4H@illinois.edu) by August 1, 2021.

### GENERAL EXHIBIT GUIDELINES:

1. **All exhibits must be products of the current 4-H year** (September 1, 2020 - August 9, 2021). The same product that is selected at the county level must be the one exhibited at the State Fair (except for Food & Nutrition (must be the same recipe), Crops, Floriculture, and Vegetable Gardening exhibits (must be the same species/type (i.e. slicing tomatoes, snap beans, onions, etc.). Modifications can be made to the original county exhibit to meet State Fair class requirements or to incorporate suggested improvements made by the local judge. Determination of exhibit eligibility rests solely with the University of Illinois Extension Assistant Dean and Director, 4-H and designated persons.
2. A 4-H member may enter only one individual exhibit and one group exhibit in the 4-H General Project Show. Exhibitors who are enrolled in projects in two different counties can only exhibit in one 4-H County. **Exhibitors will need to check-in at specific times on their county's assigned date. Exhibits are required to be judged on the assigned county day for judging. State fair conference judging will take place on Sunday, August 16.**
3. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. The Superintendents reserve the right to remove exhibits deemed inappropriate or dangerous for youth audiences. The content of any 4-H competitive presentation does not necessarily reflect the beliefs or views of the Illinois State Fair or the University of Illinois Extension 4-H program.
4. Some exhibit areas may have size limitations. Read the descriptions carefully. Please choose a display size that is most appropriate for the exhibit you are bringing. Larger does not always mean better; use good judgment in creating your exhibit. Exhibitors will need to carry their project from the distant parking lots on the fairgrounds.
5. All exhibits must be identified with an official entry tag. This entry tag is to be completely filled out and securely attached to the exhibit. (Exception: Food Demonstration and Public Presentations entries do not need entry tags.)
6. The Illinois State Fair, State 4-H Office, and local University of Illinois Extension personnel or their assigned agents do not assume liability for loss, theft, or damage to any exhibit.
7. No equipment will be provided for any exhibits. This includes computers, projects, dvd players, etc. Exhibitors must furnish any equipment they feel is necessary to properly critique their exhibit. Exhibitors should be aware that electrical outlets are not always located near judging locations and should take that into consideration when bringing exhibits. Exhibits that stand over 4' tall will be placed on the floor. Use of page protectors is recommended for binder exhibits. Binder exhibits will NOT be labeled "*Do Not Touch.*" **In Knox County, all Animal Science Project Displays must meet the size requirement of 2' wide x 15" deep and be displayed on foam poster board.**
8. Judges are permitted to award Superior ribbons at their discretion to a maximum number of exhibitors per class. Judges take into account the display and information provided during the interview in determining Superior ribbon awards. Exhibitors who do not follow the exhibit class guidelines and requirements are ineligible to receive a Superior ribbon. The judge's decision that is posted on the official judge's class list is final unless it has been determined that an exhibitor has not followed the guidelines or rules for the exhibit class.
9. If your project is chosen for State Fair, all entries for non-livestock exhibits should be made by returning your card attached to your exhibit to the Knox County State Fair table at the 4-H General Show in July. Due at project check out.

## CONFERENCE JUDGING FOR MEMBERS

Judging is a learning experience. 4-H members decide what projects they are interested in continuing to master. An exhibit is a sampling of what 4-H members have learned through the 4-H year.

1. During conference judging, the judge will encourage you to talk about your project exhibit.
2. You will be asked some questions about your exhibit, so you should be prepared to tell what you were trying to do in your project (goals and objectives) and be able to describe the methods and processes used to produce the exhibit.
3. Read and follow the rules and requirements for your project carefully.
4. Learn good sportsmanship.
5. Listen carefully to the judge so that you can accept constructive criticism, and learn from it.
6. Remember, judging comments can be helpful, but they are only one person's evaluation.
7. Realize that people sometimes make mistakes.

## A MESSAGE TO LEADERS AND PARENTS

Each child is an individual of utmost importance. Keeping this in mind, the leader should try to make 4-H a positive learning experience. Part of this experience is the 4-H exhibit.

The 4-H exhibit is not an end in itself nor does it measure all the learning that takes place in the 4-H project. The exhibit is only one measure of success. Self-recognition, self-satisfaction and the learning from completing the project are important rewards.

1. Discuss the purpose of judging with 4-H members & their parents:
  - a. To evaluate the exhibit which is an example of the child's work.
  - b. To help each member see the process that he/she has made and put judging in perspective.
2. Help the child set realistic goals for himself/herself according to his/her own age and experience.
3. Be sure that your goals are in line with the child's age and experience.
4. Recognize good work. Give constructive criticism.
5. Be familiar with the requirements or criteria of the 4-H project that is to be judged.
6. Be familiar with several methods of accomplishing the desired result.
7. Regardless of who does the judging, there are some basic points to keep in mind:
  - a. The development of young people is our first consideration in 4-H work.
  - b. We are really concerned more about what the 4-H'er learns than with the exhibit.
  - c. Projects are a means to an end – not an end in themselves.
  - d. No exhibit is so poorly done that it is not worthy of an encouraging comment.
  - e. No exhibit is so well done that some improvement may not be made.
8. Judging is done according to quality standards. It is not a matter of personal whim or tastes. The standards are:
  - a. High, but attainable
  - b. Appropriate to different age levels.
  - c. Known by the 4-H members.
9. Exhibits are evaluated, not members. All completed exhibits meeting show requirements will receive a Blue, Red or White rating. Exhibits are evaluated independently, not compared. Blue meets requirements; Red needs improvement; White needs much improvement
10. Stress that judging comments can be helpful, but that they are only one person's evaluation.
11. In competition, avoid overemphasis of the winner. Help the child accept the results of the competition and realize that through his/her own accomplishments everyone is a winner.

# GENERAL SHOW PROJECTS

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## AEROSPACE

### **Aerospace Model Rocketry:** (SF 50130)

#### **Open to youth in Aerospace 2, Aerospace 3, and Aerospace 4**

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

### **Aerospace Display:** (SF 50131)

#### **Open to youth in Aerospace 2, Aerospace 3, and Aerospace 4**

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

### **Aerospace Ready4Life Challenge** (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.

## ANIMAL SCIENCE

**ALL items in the display should be affixed to the foam display board. NO additional items should be included.** Table displays are limited to 2' wide x 15" deep. (Open to members in Beef, Cats, Dairy, Dogs, Goats, Horse & Pony, Poultry, Rabbits, Sheep, Small Pets, and Swine)

### **Animal Science** (SF 50135)

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

### **Animal Science Ready4Life Challenge** (SF 50137)

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

## 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 (not eligible for state fair)

#### Open to 11- to 18-year-olds enrolled in any Bicycle project.

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

## CAT

### NOT Eligible for State Fair

*Quality Assurance & Ethics Certification is mandatory for anyone showing a live cat and must be completed by May 1.*

Bring your cat to the 4-H General Show for a health and grooming check. Cats must be on a leash, in a carrying box, or cage.

1. All cats (4 months and older) must have proof of current rabies vaccination. Current records (rabies and distemper) must accompany the animal to be included with the member's exhibit.
2. Feline leukemia vaccinations are optional around 4 months of age.
3. All animals should be free of disease and parasites (fleas, mites, ticks, etc.)
4. Exhibit, with cat, a written report at least one page in length. Topics are to be related to cat care, such as feeding schedule, grooming procedures, trip to veterinarians, etc.
5. Exhibitors will be asked questions related to both their own cat (for example, what and how often to feed, special grooming, ever had kittens, etc.) and questions relating to their report (where did you find this information, has your cat ever had this problem, etc.).

## 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. 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 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 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 project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover. See Project, pages 40-82 for fabric science experiments.
- 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 project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover. See Project, pages 39-52 for fabric science experiments.
- 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, suites 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 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 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 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 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 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 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 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 of the questions in the activities.
- **Year 2:** Results of doing a minimum of 5, 2-star activities in Part 2, answering all the questions in the activities.
- **Year 3:** Results of doing a minimum of 5, 3-star activities from Parts 1 and 2. One of the activities must include writing an advance story, a follow-up story, or a feature story.
- **Year 4:** Results of doing at least 2, 2-star activities and 3, 3-star activities from Part 3. If the activities include making an audio or videotape, 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.

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

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

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

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

### **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 graphic programming). All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

### **Website Design:** (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 hot spot or the website must be hosted on the exhibitor's computer). All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

### **Computer Open Source / Innovation CS** (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.

## 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 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 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 is representative of member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. *Sweet corn should be exhibited in Vegetable Gardening unless being raised under commercial contract by the exhibitor.* Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

**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.

## **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 multicopper (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, & brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.

### 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, & brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.

### Electricity 3 (SF 50179)

Exhibit a 120V lighting fixture or other appliance which uses a switch; **OR** two electrical household circuits using 120V materials to comply with National Electrical Code, one with a simple on/off switch to control bulb, and one using 3-way switches to control light from two locations; **OR** other project which demonstrates principles in the Wired for Power book. All electricity projects must include a report, explaining how the project was constructed, and principles for its operation. Recommendations can be found on the website.

### 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 bee hives may be exhibited. (Honey moisture content will be measured.) Fill level: the honey should be filled to the jar shoulder, not over, nor under. Chunk honey should go in a wide-mouth jar, preferably one specially made for chunk honey (see beekeeping catalogs). Be careful to distinguish "chunk honey" (comb in jar) from "cut comb" (comb only in plastic box). *Honey exhibited (including chunk, cut comb, and sections) must be collected since the previous year fair.*

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

### Beekeeping 3 (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.

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

### Entomology Beekeeping Ready4Life Challenge (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

(not eligible for state fair)

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

### 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;
- 4-H animals;
- 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 the size needs to be a different size because the historical item is larger than 22'x28" please contact the superintendents for approval.

### Family Heritage Ready4Life Challenge (SF 50199)

**Open to 11- to 18-year-olds enrolled in any Family Heritage 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  $\frac{1}{4}$  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**  $\frac{1}{4}$  Golden Sponge Cake, top side up, without frosting; **OR**  $\frac{1}{2}$  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 1-4 (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 screen shot 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 pint jars of different recipes of pickles and/or relishes.
- **Jams, Jellies, and Preserves** – Exhibit half-pint jars of two different jams, jellies, and/or preserves.
- **Preservation Combination** – Exhibit two 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, 2015.
- Green beans, pressure canner. July 13, 2015.
- Beef jerky, food dehydrator and oven. July 13, 2015.

**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 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), Grandma’s or a recipe from a family member or friend without a source, Cookbooks (excluding the Ball, Kerr and Put It Up! book).

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

**Foods Innovation Class (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 collections. 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 collections. 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.

## **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.

## 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 at University of Illinois Extension houseplants, <https://4h.extension.illinois.edu/members/projects/horticulture>.

### 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)	Lettuce (1 head or plant)	Potatoes (any variety) (5)
Beans, Lima (12 pods)	Muskmelon incl. cantaloupe (1)	Pumpkin (1)
Beets (5)	Okra (12)	Rhubarb, trimmed stalks (3)
Broccoli (1 head)	Onions, large, dry (5)	Rutabaga (5)
Brussels sprouts (12 sprouts)	Onions, green or set (12)	Salsify (5)
Cabbage (1 head)	Parsnips (5)	Squash, summer (any variety) (3)
Cauliflower (1 head)	Peas, (12 pods)	Sweet Corn, in husks (5)
Carrots (5)	Peppers, large fruited (bell/banana) (5)	Tomatoes, slicing (5)
Cucumber, pickling or slicing (5)	Peppers, small fruited (chili/cherry) (12)	Tomatoes, small fruited (12)
Eggplant (1)	Popcorn (5)	Turnip (5)
Garlic (5)		Watermelon (1)
Kohlrabi (5)		
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 (SF 50235)**

**Includes *Passport to the World, Diversity & Cultural Awareness, and Latino Cultural Arts Projects***

Exhibit a display illustrating the steps that the club has completed on the project selected for the year. Include a written outline or report of accomplishments and future goals. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what the club members 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 of exhibitor's choice from the manual.
- **Second Year** – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one of exhibitor's choice from the manual.
- **Third Year** – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

### **Leadership 2 (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 of exhibitor’s choice from the manual.
- **Second Year** – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one of exhibitor’s choice from the manual.
- **Third Year** – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one of exhibitor’s choice from the manual.

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

### **Leadership 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. 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.

### **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 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.

## 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 1-3:** (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 the exhibitor's 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 the exhibitor's 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 settings that include:

- Camera/device used
- Aperture (F-stop)
- Exposure time (shutter speed)
- ISO (film/sensor sensitivity)
- Lighting used (flash, artificial, sunlight, other)
- Lens Filters (Ultra-Violet, Polarizing, etc) if used.

Additional details required for Photo Editing ONLY:

- g) Photo editing software/application used (required for ALL edits and retouches except for cropping)
- h) Filters used (lens filters and or digital/software filters)

Members are allowed to shoot on a camera's automatic setting, but should be able to find the metadata information on the photo to discuss the information above.

The exhibition size requirements for all photographs will be:

Minimum image size: 5X7

Maximum image size: 8X10

Maximum exhibit size (including frame): 18X20

All exhibitors must include unframed (taped to the back of the framed exhibit or attached to the project booklet) **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 8x10 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"x10" photo which demonstrate your understanding of a technique you learned from your Photography 2 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

#### **Photography 3 (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"x10" photo which demonstrate your understanding of a technique you learned from your Photography 3 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

#### **Photo Editing (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. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. All exhibits must include one framed photo illustrative of the work you are presenting.

#### **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.

## 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.

## **SHOOTING SPORTS**

Members 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 are prohibited from displaying the following:

- 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 Display (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 Display (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 Display (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 Display (SF 50383)**

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

**Shooting Sports: Pistol Display (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 1-3 (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

Bring small pets (except tropical fish) for grooming and health check in addition to requirements listed below. Pets brought to the 4-H Show must be on a leash or properly caged. Pets should be taken home by 1:00 PM. Exhibitors not able to be present or able to bring their animal(s) have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.

**Caged Birds** - Bring caged bird and exhibit a photo story describing your pet bird and one page written report to discuss feeding, health care, grooming, etc.

**Cavy (HAMSTERS, GERBILS, MICE, GUINEA PIGS)** - Bring cavy and exhibit a photo story describing your pet and a one page report to discuss its feeding, grooming, and health needs.

**Tropical Fish** - Exhibit educational poster (14" x 22") or educational display or photo story describing your fish and a one page report to discuss its feeding and health needs.

**Other Small Pets/Rabbits** - Bring small pet and exhibit a photo story describing your pet and a one page report on your activities with this project. NOTE: The 4-H member CANNOT enter both the pet class and breeding rabbit class - you must choose between these two classes. See rabbit section for information on the breeding rabbit class.

### **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 Pig Display (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 Small Pets / Guinea Pig 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.

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



Exhibitors are expected to use the engineering design process to complete their designs. This process is important to the outcomes and exhibitors must keep a log outlining the step-by-step notes, sketches, and documentation from throughout the design process. The logbook should define the problem that is being solved/use of the object and describe in detail each step of the Engineering Design Process taken during the creation of the invention.

### **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 may not be based on already existing 3-D models. It must be able to be 3-D printed. Any CAD software can be used, but files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging. Exhibits in this class **MUST** not have multiple parts, doors, hinges or some sort of mechanistic feature to accomplish a specific task.

Exhibitors are expected to use the engineering design process to complete their designs. This process is important to the outcomes and exhibitors must keep a log outlining the step-by-step notes, sketches, and documentation from throughout the design process. The logbook should define the problem that is being solved/use of the object and describe in detail each step of the Engineering Design Process taken during the creation of the invention.

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

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

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 may not be based on already existing 3-D models. Exhibits in this class **MUST** have multiple parts, doors, hinges or some sort of mechanical feature. It must be 3-D printed using **ONLY A COMMERCIALY AVAILABLE HOME/DESKTOP 3-D PRINTER**. In addition, original design files must accompany each exhibit. These files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging.

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 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 & 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

**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, and/or 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. 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.

### **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, use the concept and create something different using the concept; however, it MUST NOT look exactly like something the judge can search for and find on Pinterest. The exhibit must combine parts of different patterns and/or ideas with the concepts of the member, 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 quilts made from a pattern may enter it in Heritage Arts. Quilts exhibited in the Visual Arts – Heritage Arts area will be evaluated using a visual arts rubric which takes into account correct use of design elements; craftsmanship; and creativity. All work on the quilt MUST be completed by the 4-H member. You cannot exhibit a quilt that was quilted by someone else.

### **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 form.

### **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 form.

**Visual Arts Chalk/Carbon/Pigment:** Enter the division based on the type of material on which the art was created.

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

Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc. on canvas, paper, or glass. This would include all painting, sketching, drawing, cartooning, 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.) Water color, chalk, pen & ink, computer-generated art, etc. do require some protective covering. Gallery frames are acceptable. Canvas paintings that continue "over the edges" are acceptable without frames; however, the piece must still be prepared for hanging. Matted pieces without frames are acceptable, however the piece must be prepared for hanging OR it must include a photo of the artwork being displayed in a non-hanging manner. There is no specific requirement for the type of mat used.

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

Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc., on wood, metal, or textiles. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for State Fair exhibit. Any exhibits created as a piece of wall art must be prepared for hanging.

**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 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"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), exhibited in page protectors. "Embellishments" are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Beginners must use a minimum of four embellishments and tell a story with pictures.

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

Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), exhibited in page protectors. "Embellishments" are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Intermediate level exhibitors must use a minimum of eight embellishments and tell a story with pictures and journaling.

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

Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), exhibited in page protectors. "Embellishments" are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Advance level exhibitors must use a minimum of 12 embellishments and tell a compelling story with pictures, journaling, and other media.

**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 I (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

### 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.

## SPECIALTY CONTESTS

Specialty Contests are not eligible for premiums. You will be able to sign up for what specific project you intend to bring at <https://faireentry.com/GlobalSignIn> by June 8. Please attach a 3x5 inch index card to your exhibit with your name, club, and age. Bring your entries to the general show on Saturday July 11, 2021 by 12:30 pm. Sponsorships are available for the contests. Prizes will be awarded based on sponsorship received.

**Candy Making Contest** - For the contest, display 3 pieces of candy you have made on a disposable paper plate covered with plastic wrap or bag, along with the recipe. Preferences will be provided to those entries that follow a recipe and have a number of steps involved in making candy.

**Recycled Art Contest** - All you have to do is make something out of recycled materials from home (old milk jugs, egg crates, juice bottles, ...). On your index entry card, please state an interesting fact about recycling with the source listed.

**Pie Crust made with Lard** - The Knox County Pork Producers sponsor a cash award given to the best piecrust made with lard. Exhibit one whole unfilled pastry shell made with lard in an 8" or 9" pie pan. Please use the following recipe:

#### 8- or 9-inch single crust pie:

*Ingredients:* 1 Cup all-purpose flour 1/2 Teaspoon salt 1/3 Cup of lard 3 to 4 Tablespoons cold water

#### *Directions:*

Preheat oven to 450° F. In medium bowl, combine flour and salt. Using pastry blender cut in lard until particles are size of small peas. Sprinkle flour mixture with water, 1 tablespoon at a time, while tossing and mixing lightly with a fork. Add water until dough is just moist enough to hold together. (Too much water causes dough to be sticky and tough; too little water causes edges to crack and pastry to tear while rolling.) Form dough into ball. Place the ball on a well-floured pastry cloth or surface. Flatten ball slightly; smooth edges. With rolling pin, roll dough to a circle 1-inch wider than inverted 8- or 9-inch pie pan. Fold pastry into quarter; place in pan and unfold, easing into pan, and press in place. Flute the edge or a decorative edge. Prick the bottom and sides of the pastry generously with a fork. Bake at 450° F. for 9 to 12 minutes or until light golden brown. Let the pie cool.

Illinois Department of Agriculture  
Bureau of Animal Health and Welfare  
State Fairgrounds P.O. Box 19281  
Springfield, IL 62794-9281  
Phone (217) 782-4944

2021 Illinois Exhibition Health Requirements  
Illinois State Fair

All 4-H members must follow the state animal health guidelines of the Illinois Department of Agriculture Bureau of Animal Health and Welfare when exhibiting any livestock at county and state fairs in Illinois. Those guidelines are updated annually. The 2021 guidelines can be found online at <https://www2.illinois.gov/sites/agr/Animals/AnimalHealth/Pages/fair-exhibition-requirements.aspx>

## LIVESTOCK SHOW

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### BEEF

*Youth for Quality Care for Animals (YQCA) certification is mandatory for anyone showing a live beef animal and must be complete by May 1 each year.*

### STEER

1. Club members may own and feed one or more beef steers which are registered under 4-H member's name, but may exhibit only two steers which have been weighed and tattooed at the Winter Weigh In.
2. The top ten Rate of Gain (performance steers) will be ranked and recognized with first and second place designated as Champion and Reserve Champion.
3. Animals may be purebred or crossbred steers.
4. All steers will be shown in one of the following categories - British Breeds, All Other Breeds, or Crossbred. Registration papers should be brought to the scales with the steer during the Sunday weigh in.
5. Breeds will show by weight. Champion of each breed (British, All Other Breeds, Crossbred) will show for Grand Champion Overall.
6. All steers must have been calved on or after January 1, 2020.
7. Beef steers must have been owned and personally cared for by exhibitor since February 1, 2021.
8. All steers must be dehorned prior to the 4-H Show.
9. All steers exhibited will be weighed for classification at the 4-H Show.
10. A Champion and Reserve Champion will be selected from each weight division, assuming they were "Blue" ratings. A Grand Champion and a Reserve Grand Champion of the 4-H Show overall will be selected from the Champion and Reserve Champion of each respective weight division.
11. Superintendents will be responsible for assigning space for all steer entries. All steers should be double-tied.
12. All steers must be groomed in immediate barn area. State Fair Jr. Show rules on fitting will be enforced.
13. Chutes will be allowed in the barns only at the discretion of the superintendents.
14. A certificate of veterinary inspection is not required for steers and calves under 6 months of age.
15. Showmanship classes are junior (ages 8-10), Intermediate (11-13), and Senior (14 and older). Age as of date of show.
16. Exhibitors not able to be present or able to bring their animal during show time have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
17. Steers that do not make the minimum weight of 800 pounds will not be eligible to show.

#### Steer – Exhibiting 1 or 2 Steers

- British Breeds - Steers with registration papers from one of the following breed associations: Angus, Hereford, Shorthorn
- All Other Breeds - Steers with registration papers from any other breed association
- Crossbred - Steers having no registration papers

## BEEF BREEDING

1. Certificates of veterinary inspection and registration papers will be checked at the weigh-in area with the Beef Superintendent on Sunday.
2. Breed classes will be shown by age.
3. Beef breeding females must be checked/weighed in (registration papers, age, etc.) with the Beef Superintendent.
4. Heifer and heifer calves must have been owned and personally cared for by exhibitor since June 1, 2021.
5. Each exhibitor may show more than one of an age category (Example: Jr. Yearling Heifer). However, they must be of different breeds.
6. A club member may feed and own one or more animals. A club member should keep continuous records on all the beef animals they own.
7. Chutes will be allowed in the barns only at the discretion of the superintendents.
8. Registration papers are required on each purebred animal exhibited and must show ownership in the exhibitor's name. The date shown on the registration papers is to be taken as the effective date of ownership of the animal. For grade or crossbred animals, registration is not required and they are shown by weight. They must be weighed in by the superintendents upon arrival.
9. Show order will be posted by the Beef Superintendent and is listed below classes.
10. Be sure to state the breed in fairentry.com.
11. Crossbred will be exhibited by weight determined at check-in on Sunday evening and classes established accordingly. Exhibitors are limited to three crossbred heifers regardless of weight.
12. Showmanship classes are junior (ages 8-10), Intermediate (11-13), and Senior (14 and older). Age as of date of show.
13. Exhibitors not able to be present or able to bring their animal during the show time have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
14. All cattle, except steers and calves less than six months of age are to be accompanied by a certificate of veterinary inspection issued within 90 days prior to exhibition, showing individual identification of each animal by a fully healed and legible tattoo, official metal tag, registration number, or individual brands, if brand is recorded on the registration certificate.

**Tuberculosis:** Illinois is an Accredited Tuberculosis-Free State. Tuberculin test is not required for Illinois cattle.

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

### Heifer Classes

- Jr. Heifer calf - born after January 1, 2021
- Sr. Heifer calf - born October 1 - December 31, 2020
- Summer yearling heifer - born July 1 - September 30, 2020
- Late Jr Yearling heifer - born April 1 - June 30, 2020
- Early Jr Yearling heifer - born January 1 - March 31, 2020
- Sr. Yearling heifer - born during 2019 (if calved by show date, animals automatically go into cow and calf class)

## COW/CALF

1. Beef females in cow class must have been owned and personally cared for by exhibitor since January 1, 2021.
2. The beef cow and calf class will consist of a cow with a calf born on or after January 1 of current year. If the calf is a bull, it must be shown with the cow. If the calf is a heifer, the heifer may be either in its respective age class or with the cow, but not both. If the cow shows without her calf, she will show against cows with calves. The class will be judged 60% on the cow and 40% on the calf.
3. There will be purebred and crossbred cow classes.
4. A cow that wins champion of the Cow and Calf class will be ineligible to compete at future Knox County 4-H Shows.

### Cow/Calf Classes:

- Cow and Calf: Cow born after September 1, 2019 and must be a first calf cow only. Calf must be born after January 1, 2021
- Cow and Calf: Cow born before September 1, 2019. Calf must be born after January 1, 2021.

### Show Order - 2021

Will be alphabetical and posted after Sunday's check-in. If there are 3 or more entries in a breed, then there will be a division for that breed. If there are less than 3 entries, it will go under All Other Breeds.

## Breed Requirements

Angus – Purebred; Chianina – Recorded; Maine Anjou – Recorded; Shorthorn – 15/16 or higher; Simmental – ¾ or higher; Charolais – Purebred; Hereford – Purebred; Limousin ¾ or higher; Polled Hereford – Purebred; Red Poll – 15/16 or higher; Simbrah – Recorded; Gelbveih – Recorded; % Simmental – Less than ¾

## BUCKET CALF

### Bucket Calf Classes:

- Bucket Calf
- Bucket Calf Records

NOTE: THESE ARE TWO SEPARATE CLASSES. MEMBERS MUST SIGN UP FOR EACH TO EXHIBIT BOTH CLASSES.

1. For bucket calf records exhibit, exhibit should include the 4-H Bucket Calf Project Record (2 pages) and the member's project goal sheet. These records must be turned in to the superintendent on Sunday, July 12 by 4:00 pm and will be mailed back after the show.
2. Female calves 6 months and older at time of show must have a certificate of veterinary inspection.
3. Calves will be haltered and tied.
4. A separate pen will be provided for all bucket calves, but sharing of a stall may be necessary due to space limitations.
5. All bucket calves must be kept in the stall assigned.
6. Classes will be judged on 4-H'ers knowledge of project; no emphasis will be placed on quality or confirmation of calf.
7. Classes will be divided by age of the exhibitor and number of years in bucket calf show.
8. Calves must have been born between January 1 and May 1 of current project year and be property of the exhibitor by May 1, 2021.
9. Exhibits are not eligible for beef show or sale, dairy show, or showmanship classes.
10. One calf per exhibitor.
11. 4-H members, ages 12 and older, as of September 1, of the current 4-H year, showing a steer or heifer are not eligible to show a bucket calf.
12. Exhibitors not able to be present or able to bring their animal during the show time have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
13. All stalls must be cleaned by the 4-H'er with straw removed to the nearest dumpster prior to departure after the conclusion of the swine or poultry show, whichever ends last.

## DAIRY CATTLE

*Youth for Quality Care for Animals (YQCA) certification is mandatory for anyone showing a live dairy animal and must be complete by May 1 each year.*

1. A club member may own and feed one or more animals. A member should keep continuous records on all the dairy animals they own. Registration papers are required on each purebred exhibited and must show ownership in the exhibitor's name.
2. Due to the small number of Dairy Projects exhibited, purebred and grades of the respective breeds will be shown together.
3. Each exhibitor is limited to one entry in each class.
4. A cow may be shown only once.
5. Dairy calves and heifers must have been owned by June 1, 2021.
6. Dairy cows must have been owned by January 1, 2021.
7. Dairy animals will be exhibited in the following classifications.
8. Grand Champion and Reserve Grand Champion overall breeds will be selected from the first and second place animals in each breed, assuming they are "Blue" ratings.
9. Exhibitors not able to be present or able to bring their animal during show time have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
10. All cattle, except steers and calves less than six months of age are to be accompanied by a certificate of veterinary inspection issued within 90 days prior to exhibition, showing individual identification of each animal by a fully healed and legible tattoo, official metal ear tag, or registration number, or individual brands, if brand is recorded on the registration certificate.
11. All pens will be cleaned before departing from the grounds.

### **Dairy Classes:**

- Jr. Heifer Calf - born on or after December 1, 2020
- Sr. Heifer Calf - born September 1 - November 30, 2020
- Jr. Yearling Heifer - born March 1 - August 31, 2020
- Sr. Yearling Heifer - born September 1, 2017 - February 28, 2020
- Bred Heifer or Cow

## **DOG**

**Saturday, June 12 (tentative)**

*Quality Assurance & Ethics Certification is mandatory for anyone showing a live dog and must be completed by May 1.*

1. Exhibitors must attend at least 6 obedience training classes with their dog prior to the county dog show date. All dogs must be trained by the exhibitor.
2. A dog may be leased if not owned by the exhibitor or immediate family. Lease paperwork is due to the office by June 1.
3. Current vaccination records, including proof of rabies vaccine, must accompany all dogs being shown.
4. Exhibitors shall have dogs at check in area at least 15 minutes before judging begins for their class.
5. Only dogs being shown will be allowed on the fairgrounds the day of the dog show.
6. All dogs must be on a leash or crated at all times, except as required in certain showing classes.
7. Exhibitors are to have control of their dogs at all times.
8. Exhibitors are responsible for cleaning up after their dogs.
9. Dogs are expected to be well groomed as well as free of ticks and fleas.
10. Exhibitors are to be well dressed.
11. Dogs are to be handled only by the exhibitor during judging. Family and friends are not allowed in the judging area.
12. Dogs that are unruly or causing problems may be asked to leave the area to avoid distracting other dogs.
13. A dog not under the control of the exhibitor, or shows viciousness toward its handler, judge, or other dogs will be excused from further competition as decided by the Livestock Committee and Extension staff.
14. Score sheets are available on the State 4-H page under the Dog Project.
15. Judges may take into consideration a 4-H exhibitor's age and experience when scoring.
16. Judges decisions are final.
17. Female dogs in season cannot participate in the 4-H dog shows or be on the fairgrounds the day of the show.
18. Exhibitors not able to be present or able to bring their animal during show time have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
19. All Exhibitors are encouraged to fully participate in the 4-H dog show by exhibiting in Dog Care, Obedience, Showmanship, and Rally.
20. Overall Dog Champion will be determined by the combined scores for Dog Care, Obedience, Showmanship, and Rally.
21. Dogs shall be taken home immediately at the conclusion of the dog show.
22. Dogs do not have to be AKC registered to participate in 4-H dog shows.
23. AKC rules are used as a guide for 4-H dog shows, however this county 4-H dog show is not an AKC dog trial and does not count toward AKC titles.
24. This is a State 4-H Dog Show qualifying event, thus, State 4-H Dog Show rules will be followed.
25. Special problems not addressed in these rules will be acted upon by the Livestock Committee and Extension 4-H Staff.

### **DOG CARE**

**NOT Eligible for State Fair**

1. Exhibit with dog, a written report or other type of display, completed by the 4-H exhibitor, on a Dog Care related topic such as feeding schedule, grooming procedures, a trip to the veterinarian's office, or an activity from the 4-H manual.
2. Exhibitors will be asked questions relating to both their exhibit and their dog.

### **SHOWMANSHIP**

1. Exhibitors will be judged on handling skills, knowledge of breed standards, dog anatomy, and dog show terminology. The judge may question exhibitors on one or all of these areas.
2. Dogs will be judged on general health, cleanliness, and grooming.
3. Purebred and non-purebred dogs are eligible for this class. The breed of dog has no bearing on judging or placement.
4. Only one Junior dog-handler team and one Senior dog-handler team will be advanced to the State show.

### **RALLY**

1. A qualifying score of 70 out of 100 is required to complete at the State 4-H Dog Show in Rally.
2. 3 qualifying scores are required to advance to the next level of competition.
3. This event is timed. The fastest time will be used to break a score tie.
4. Exhibitors may speak to and encourage the dog by patting their leg, or clapping. They may not touch the dog during the exercise.

### **OBEDIENCE**

1. Acceptable leashes are 6ft leather, nylon, or canvas. Collars can be chain, nylon, canvas or leather. No prong or electronic collars are allowed at the dog show. Flat collars for holding tags, harnesses or other training aids are not allowed in the show ring.
2. Exhibitors may show multiple dogs, but are limited to one dog per obedience class. In addition, one dog cannot be shown in multiple classes
3. In order to participate in the State 4-H Dog Show an exhibitor and dog team must have a qualifying score of 170 or higher.
4. If a State Fair qualifying score of 170 was achieved previously a dog cannot repeat that class except in obedience levels Graduate Novice and higher.
5. Signals given by the exhibitor will be either voice or hand – only 1 type of signal may be used for each exercise.
6. Livestock Committee and Judges determine the order and execution of exercises.
7. Long sits and downs may be judged as a group, at the judge's discretion.
8. In cases of a tie score a run-off will be used to determine place holding.

### **GOATS**

*Youth for Quality Care for Animals (YQCA) certification is mandatory for anyone showing a live goat and must be complete by May 1 each year.*

1. Certificate of veterinary inspection will be required for goats. The CVI must include the statement: "The goats listed above were not exhibiting clinical signs of scrapie at the time of examination." See health rules for additional information.
2. Goats, including dairy goats, with any or all of the following conditions shall not be exhibited and must be removed immediately from the exhibition area: 1) lesions of contagious ecthyma (sore mouth), 2) active lesions of ringworm with resulting loss of hair, and 3) caseous lymphadenitis as evidenced by draining abscesses.
3. Identification of each animal shall be an ear tattoo, official metal or plastic ear tag, or other positive identification.
4. All goats must have been owned and cared for by the exhibitor by May 15 of the current year.
5. Wethers may be crossbred. All wethers need to be weighed-in.
6. Each member is limited to 1 entry per class, except for market wethers, which can have 2 with only one monies awarded per class.
7. All goats must have a scrapie tag.
8. Exhibitors should be dressed in white for showing dairy. Showmanship classes are junior (ages 8-10), Intermediate (11-13), and Senior (14 and older). Age as of date of show.
9. Do not milk doe before showing.
10. Meat, dairy, pygmy and exotic goats will NOT be shown together.
11. Meat goat classes will be shown together unless there are enough breed classes to justify dividing them as the superintendent deems necessary. They will be shown in the following order: All Percentage Breeds, All Purebred/Full blood, and Commercial.
12. Exhibitors not able to be present or able to bring their animal have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
13. All pens will be cleaned before departing from the grounds.
14. All market wethers must have milk teeth. This will be checked at weigh-in.
15. Market wether classes are determined by weight.
16. Meat Goat Wethers going to State Fair will be weighed in by self-nomination. Self-nomination as follows: Exhibitors fill out and send in nomination form with photo of goat's ear with scrapie tag installed in ear (close up photo of ear so scrapie tag can be read). This must be completed between March 15 and May 15, 2021 and signed by Extension staff. Send to Dan Jennings, Region 1 Office, 1100 E. Warrenville Rd., Suite 170, Naperville IL 60563.

### **DAIRY GOATS**

1. Kids and Yearlings not in milk must be owned by exhibitor only by June 1, 2021.
2. Milking Does must be owned by exhibitor only by January 1, 2021.

**Dairy Goat Classes:**

- Doe Kid under 5 months
- Doe Kid 5 months and under 1 year
- Yearling doe 1 year and under 2 year, not in milk
- Milking Yearling, 1 year and under 2
- Milking Doe, 2 years and under 4
- Milking Doe, 4 years and older
- Dairy Market Wether

**Exotic Goat Classes:**

- Doe, under 5 months
- Doe, 5 months and under 1 year
- Doe, 1 year and under 2 years
- Doe, 2 years and under 4 years
- Doe, 4 years and older
- Exotic Market Wether

**Pygmy Goat Classes:**

- Junior Doe Kid, under 5 months of age
- Intermediate Doe Kid, 5 months to under 1 year
- Senior Doe Kid, 1 year to 2 years

**THESE CLASSES MUST HAVE FRESHENED**

- Freshened Doe, under 24 months
- Two Year Old Doe, 24 months and to under 36 months
- Three Year Old Doe, 36 months to under 48 months
- Four Year Old Doe & Over, 48 months and over
- Pygmy Market Wether

**MEAT GOATS**

1. Wethers – Born on or after October 1, 2020
2. Tattooed in name of exhibitor only by May 15, 2021
3. All meat goats (wethers and all breeding animals) are to be owned by exhibitor only by May 15, 2021.
4. Ownership dates for Kids & Yearlings not in milk – May 15, 2021

**Meat Goat Classes:**

- Doe, under 4 months
- Doe, 4 months and under 8 months
- Doe, 8 months and under 12 months
- Doe, 12 months and under 24 months
- Doe, 24 months and under 36 months
- Doe, 36 months and under 48 months
- Meat Market Wether

**HORSE****Saturday, July 17 (tentative)**

*Quality Assurance & Ethics Certification is mandatory for anyone showing a live horse and must be complete by May 1.*

1. Illinois Equine (horses, ponies, mules, etc.) – (Exhibition and Race) 12 months and older shall be accompanied by a NEGATIVE TEST FOR Equine Infectious Anemia/EIA (Coggins/CELISA) conducted WITHIN ONE (1) YEAR. A health certificate (Certificate of Veterinary Inspection) is not required for Illinois equine. MUST BRING NEGATIVE COGGINS CERTIFICATE TO SHOW.
2. Protective head gear with safety harness (fastened and buckled) is REQUIRED for all 4-H riders whenever mounted, inside or outside of the arena, including Costume Class. Helmets must meet ASTM/SEI standards.
3. Attire: Non-riding class exhibitors must wear Western Boots and Hats or English Boots and Hats. Helmets may be substituted for a hat in halter.

4. All horses, ponies, and mules must be owned or leased by the individual 4-H member by May 1. No partnership will be allowed. If there is any doubt as to ownership and lease, the exhibitor must be prepared to prove ownership to the satisfaction of the Horse and Pony Superintendents or they will be disqualified from the class in question. Any questioning of an exhibit must be brought to the attention of the superintendent prior to the show. The lease document is available from the Extension Office and must be turned in by May 1 of the current 4-H year.
5. Mature animals will be classified as follows:
  - a. Ponies or mules under 56 inches – classified as pony.
  - b. Horses or mules 56 inches and over – classified as horse.
6. Five halter classifications will be offered from the Horse and Pony halter classes:
  - a. Horse or Pony Foal 2 years and under – foaled between January 1, 2020 to 2021 show date.
  - b. Pony Aged Mares or Geldings - foaled on or before December 31, 2019
  - c. Horse Aged Mare - foaled on or before December 31, 2019
  - d. Horse Aged Gelding -foaled on or before December 31, 2019
  - e. English - all ages
  - f. Mules – all ages

Each horse, pony or mule may be shown in **only one** halter class.
7. Animals may be purebred, grade or crossbred. **NO STALLIONS ALLOWED.**
8. Exhibitor is limited to one entry per class.
9. The horse and pony superintendent may divide any class as needed for safety.
10. **Ponies and Mules:** once measured, must be the same all of the show. Any questions as to classification will be decided by the superintendent of the Horse and Pony Division. Ponies and Mules must be measured before 9 am.
11. A member will keep feed records on animals in addition to horsemanship records.
12. Exhibitors not able to be present or bring their animals during show time have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
13. State Fair Horses: On or before June 1 – Copies of the ownership and/or lease papers, State Fair Entries, and one set of photos sent to Donna Miller at: Illinois State Fair Entry Department, P.O. Box 19427, Springfield IL, 62794-9427.

#### **4-H HORSEMANSHIP UNIT**

1. Judging will be based on the member's ability to ride and handle a horse or pony rather than the horse and pony's conformation or previous training.
2. Showmanship will be divided into Junior (8 to 10 year), Intermediate (11 to 13 years), and Senior (14 to 18 years).
3. There will be two divisions in Western Horsemanship unit: Beginning and Intermediate/Advance based on rider's level of riding.
4. English Equitation is open to both Hunt Seat and Saddle Seat.
5. "Horsemanship and Equitation" classes: Judged upon 75 percent rider's ability and 25 percent horse's ability.
6. There will be two divisions in the Western pleasure riding class: Beginning and Intermediate/Advanced based on rider's level of riding. The class is judged on performance of horse to give the most pleasurable ride.
7. Gaited Pleasure Class is for those horses that perform an ambling gait including running walk, foxtrot, rack/slow gait, single foot, Paso gaits, etc... It is optional tack. Gaited horses may cross enter into other classes.
8. Show Hack is open to both Hunt Seat and Saddle Seat. The class will ask for walk, sitting trot, posting trot, extended trot, canter, hand gallop, halt, and back.
9. "Pleasure" classes both English and Western: Judged upon 75 percent horse's ability and 25 percent rider's ability.
10. The "NOVICE WALK-TROT" classes are for first- and second-year riders only. If exhibiting in this class, exhibitor may not exhibit in any horsemanship or pleasure classes, or class which may require lope. Exhibitors may enter Open Walk/Trot, Showmanship, Halter, Driving, and Costume. It is optional tack.
11. All classes except NOVICE WALK-TROT are open to all exhibitors, one entry per class.
12. Grand Champion Class will be 1st and 2nd places with blue ratings from all previous classes (Showmanship, Halter, English, Horsemanship, Pleasure)
13. A horse or pony may be shown more than one year, if desired.
14. Hunter Hack is an over the fence's classes. The height of jumps will be adjusted to the level of the riders competing that day.
15. Driving class is open to both horses and ponies as single or a team. A two or four-wheel vehicle will be acceptable. Headers are strongly encouraged. It is optional.
16. No horses or ponies will be stalled for the 4-H Show. All horses and ponies should be brought to the horse arena located at Lake Storey Park on South Lake Storey Rd., across from the entrance of Carl Sandburg College. The equine should arrive no later than 8 am on the day of the Horse and Pony Show. Call for directions if you are not sure where to go. All horses and ponies will be removed from the grounds immediately following the completion of the Horse and Pony Show. ALL MANURE must be picked up and put into appropriate containers provided.



17. Any animal causing a disturbance or danger to themselves or others may be removed from the show area or excused from the Show as to be determined by the superintendent.
18. The last 10 classes are considered unpaid.

**EXHIBIT CLASSES - AND SHOW ORDER**  
**HELMET IS REQUIRED BY ANY EXHIBITOR MOUNTED ON A HORSE and for ALL RIDING CLASSES.**

**Showmanship:**

- Sr. Showmanship - (Age 14-19)
- Intermediate Showmanship - (Age 11-13)
- Jr. Showmanship - (Age 8-10)
- Grand Champion Showmanship

**Halter:**

- Horse under 40" mare or gelding
- Pony 2 years and under
- Pony Aged Mare or Gelding
- Horse 2 years and under
- Horse Aged Mare
- Horse Aged Gelding
- English type Halter
- Mule Halter
- Grand Champion Horse at Halter

*Break to Prepare for Performance classes*

- Novice: Walk-Trot (First and Second Year Riders Only)
- Open Walk-Trot
- Novice: Walk-Trot Equitation (First and Second Year Riders Only)
- Open Walk-Trot Equitation

**Performance English Type**

- English Hunter Hack (over fences)
- English Hunt Seat Pleasure
- English Equitation (Hunt or Saddle Seat)
- English: Show Hack (Hunt or Saddle Seat)
- Gaited Pleasure (OT)
- English Saddle Seat
- Grand Champion English

**Performance Western Type:**

- Intermediate/Advance Western Horsemanship
- Beginning Western Horsemanship
- Grand Champion Horsemanship
- Intermediate/Advanced Western Pleasure
- Beginning Western Pleasure
- Grand Champion Pleasure

**Speed Events:**

- Barrels
- Flags
- Plug Race
- Poles
- Grand Champion Speed Events

- Fun Class
- Egg and Spoon
- Driving Class
- Tuck a Buck
- Costume

## POULTRY

*Quality Assurance & Ethics Certification is mandatory for anyone showing a live horse and must be complete by May 1.*

Exhibitor may bring 1 entry per class.

1. All poultry must be hatched in 2021 and owned by the exhibitor prior to June 1. All chickens hatched at home must have blood testing one month prior to show. Contact your veterinarian for testing.
2. Exhibitors must bring proof of purchase to fair to be presented at check-in.
3. Upon admission to a show, all entries shall be examined by the official county fair veterinarian or qualified personnel who shall also receive and examine all certificates necessary for admission of birds to a show. Birds not in show condition will be excused from exhibition and removed from the premises. Any fowl showing signs of illness during the fair will be removed from the exhibition grounds.
4. The meat classes will be judged on conformation, fleshing, finish, feathering and uniformity.
5. A breeding pen shall consist of a cockerel and 2 pullets.
6. Exhibits will be released at the conclusion of the swine or poultry show, whichever ends last.
7. Exhibitors not able to be present or bring their animals during show time have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
8. Each exhibitor is required to clean out the pens they use.
9. Each exhibitor must provide own feed, water, and fans for poultry/waterfowl.
10. Jr Showmanship 8-12 years – age day of show; Senior Showmanship 13-18 years – age day of show.

### **Meat Classes:**

Consists of 3 birds (3 Males OR 3 Females)

- Broiler-fryer - each weighing under 4 pounds
- Roaster - each weighing 4 pounds or over

*Champion/Reserve Meat Pen*

### **Large Fowl Classes:**

American Breed

- Cockerel
- Pullet
- Pen

Asiatic Breed

- Cockerel
- Pullet
- Pen

English Breed

- Cockerel
- Pullet
- Pen

Mediterranean Breed

- Cockerel
- Pullet
- Pen

Other Standard Breed

- Cockerel
- Pullet
- Pen

Production Hybrid

- Cockerel
- Pullet
- Pen

**All American Breeds:** Rocks, Wyandotte, Rhode Island Reds

**All Asiatic Breeds:** All Feather Leg Breeds, Brahmas, Cochins, Langshans

**All English Breeds:** Sussex, Orpington, Australorp, Cornish

**All Mediterranean Breeds:** Leghorn, Minorca, Andalusian, Ancona

**All Other Standard Breeds:** Polish, Hamburg

**All Production Hybrids:** Production Reds and all other Crossbred

*Champion/Reserve Large Fowl Overall*

**Bantams:**

Clean Legged

- Cockerel
- Pullet
- Pen

Feather Legged

- Cockerel
- Pullet
- Pen

*Champion/Reserve Bantam Overall*

**Ducks, Geese, & Other:**

Project must be started before May 1, 2021. Must be hatched in 2021.

- Ducks - (single duck: male or female)
- Ducks - (pen: one drake and one hen)

*Champion/Reserve Duck*

- Geese - (single: male or female)
- Geese - (pen: one gander and one goose)

*Champion/Reserve Geese*

- Turkey - (single: male or female)
- Turkey - (pen: one tom and one hen)

*Champion/Reserve Turkey*

- Guinea - (single: male or female)
- Guinea - (pen: one male and one female)

*Champion/Reserve Guinea*

- Other

*Champion/Reserve Waterfowl*

*Grand Champion & Reserve Overall Poultry/Waterfowl/Other*

**Egg Production**

**Egg Production – Must be chicken eggs:**

Exhibits shall consist of one (1) dozen eggs.

- Limit of one entry in egg production class per exhibitor.
- This will be shown following poultry division. Advise superintendent you are exhibiting eggs

## RABBITS

*Quality Assurance & Ethics Certification is mandatory for anyone showing a live horse and must be complete by May 1.*

1. A certificate of veterinary inspection will not be required. However, animals must be inspected by the 4-H member and a parent prior to bringing them onto the fairgrounds. Animals which are apparently sick, nasal discharge, or have sores on them will not be shown.
2. Registration papers will not be required in the rabbit breeding classes.
3. A champion individual overall breeds will be selected and a champion meat pen.
4. Exhibits will be released at the conclusion of the swine or poultry show, whichever is ends last.
5. Exhibitors may exhibit two entries in each age category, but must be of different breeds.
6. Exhibitors not able to be present or able to bring their animal(s) have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display. Another option is to sign-up for small pets/rabbits, if the animal is strictly a pet. See Small Pet section for more information.
7. Only exhibit animals allowed on the fairgrounds.
8. Jr Showmanship 8-12 years – age day of show; Sr. Showmanship 13-18 years – age day of show.
9. Rabbits must be owned by the exhibitor prior to June 1.
10. Rabbits will be shown in the following breed classifications and classes. (This follows American Rabbit Breeders Association guidelines.)

### **California and Rex Classes:**

- Senior Doe (over 8 months old)
- Senior Buck (over 8 months old)
- Doe (6 to 8 months old)
- Buck (6 to 8 months old)
- Junior Doe (under 6 months old)
- Junior Buck (under 6 months old)

### **Netherland Dwarf, Dutch, New Zealand, Holland Lop, Mini Lop, Mini Rex, All Other Breeds and Crossbreds Classes:**

- Senior Doe (over 6 months)
- Senior Buck (over 6 months)
- Jr. Buck (under 6 months)
- Jr. Doe (under 6 months)
- Meat Pen is a pen of 3 rabbits. Recognized meat breeds of rabbits for State Fair will be allowed in this class. Rabbits are not to be over 70 days old or 5 pounds in weight.

### **Breeds**

Netherland Dwarf, New Zealand, Dutch, Rex, Holland Lop, Mini Lop, Mini Rex, All Other Breeds, Crossbred, and California. NOTE: If there are enough entries in a certain breed currently in the All Other Breeds classification, that breed may be added as a separate classification. (Subject to Superintendents approval.)

## SHEEP

*Youth for Quality Care for Animals (YQCA) certification is mandatory for anyone showing live sheep and must be complete by May 1 each year.*

1. Individual identification of each animal shall be an ear tattoo, official metal or plastic tag or other positive identification.
  - a. All wethers must be slick shorn (show ring ready) before weigh-in so that show lamb fungus can be identified.
  - b. The certificate of veterinary inspection must include the following statement: **"The sheep listed above were not exhibiting clinical signs of scrapie at the time of examination."**
  - c. Sheep from a flock with a laboratory diagnosis of scrapie are not permitted to exhibit unless they have been in the voluntary scrapie flock certification program for at least three (3) years.
2. Registration papers are required on each purebred exhibited and must show ownership in the exhibitor's name.
3. The purebred ewe lamb and the market lambs (single and pens) should be started in the spring when the lambs are weaned and in no case later than May 15.
4. All other projects must be started on or before January 1, 2021.
5. Market lambs will be divided into weight divisions as determined by superintendents. Market lambs must be wethers.
6. A Grand Champion and Reserve Champion Single Market Lamb and a Grand Champion and Reserve Champion Pen of Market Lambs will be selected from the "Blue" rating singles and pens.
7. Ewe lambs must be born after September 1, 2020.
8. Ram lambs must be born after January 1, 2021.
9. Yearling ewes must be born from January 1, 2020 to August 31, 2020.
10. Aged ewes must be born on or before January 1, 2019.
11. Purebred pen will consist of purebred animals and registration papers will accompany each animal. The purebred pen of two will consist of two (2) ewe lambs. All must be from registered parents. Any purebred lamb shown in the purebred classes will not be shown again in the market classes. No wethers are allowed in this class.
12. May show more than one ewe in an age category; however, the ewe must be of a different breed.
13. The same rules and dates for purebreds will apply to crossbreds except item #2 (no registration required).
14. All sheep exhibited in this division must have been owned and personally cared for by the exhibitor since May 15, 2021.
15. Showmanship classes are junior (ages 8-10), Intermediate (11-13), and Senior (14 and older). Age as of date of show.
16. Exhibitors not able to be present or able to bring their animal(s) have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.
17. Exhibitors need to check in at the show ring for weight classes on the morning of the show.
18. All sheep must have a scrapie tag.
19. Sheep Market Wethers and Market Ewe Lambs being shown at State Fair will be weighed in by self-nomination. Nominations must be signed by local Extension Office. Exhibitors fill out and send in nomination form with photo of lamb's ear with scrapie tag installed in ear (close up photo of ear so scrapie tag can be read). This must be completed between March 15 and May 15, 2021 and signed by Extension staff. Send to Dan Jennings, Region 1 Office, 1100 E., Warrenville Rd., Suite 170, Naperville, IL 60563.

### Sheep Classes:

- Aged Ewe
- Aged Ewe Pen
- Yearling Ewe
- Yearling Ewe Pen
- Ewe Lamb
- Ewe Lamb Pen
- Single Market Lamb
- Market Pen of Lambs

### Sheep Show Order

Hampshire, Suffolk, Cheviot, Crossbred, AOB, Corriedale, Montadale, Oxford, Southdown, Shropshire

## SWINE

*Youth for Quality Care for Animals (YQCA) certification is mandatory for anyone showing live swine and must be complete by May 1 each year.*

Exhibitor may show purebred barrows and gilts.

1. Must have registration papers in exhibitor's name.
2. Purebred classes based on numbers.
3. Showmanship classes are junior (ages 8-10), Intermediate (11-13), and Senior (14 and older). Age as of date of show.
4. All swine will be shown by weight and are required to weigh in.

### BARROWS

1. Bring the certificate of veterinary inspection for each animal with you and present at the weigh-in location.
2. All barrows have to be ear notched in both ears.
3. All barrows exhibited in this division must have been owned and personally cared for by the exhibitor by June 1, 2021.
4. Non-sale 4-H barrows are excused at the conclusion of the swine or poultry show, whichever ends last.
5. Each exhibitor is limited to two single barrows for entry in this division.
6. Barrows must have been farrowed on or after January 1, 2021. Barrows will be weighed and divided into weight classes.
7. A Grand and Reserve Grand Champion single barrow of the show will be selected from the Champion Purebred Barrow and the division winners, assuming they were "Blue" ratings.
8. Exhibitors not able to be present or able to bring their animal(s) have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.

### BREEDING GILT

1. Bring the certificate of veterinary inspection for each animal with you and present at the weigh-in location.
2. All gilts have to be ear notched in both ears.
3. Gilts may be taken home on Tuesday at conclusion of swine or poultry show, whichever is later. No transportation provided after the show.
4. The Gilt Class shall consist of one gilt born on or after January 1, 2021.
5. Swine must have been owned and personally cared for by exhibitor since June 1, 2021.
6. Exhibitors must use only the pen assigned by the superintendent or assistants.
7. Judging will be based on breeding characteristics.
8. Exhibitors not able to be present or able to bring their animal(s) have the option to prepare a display and exhibit at the General Show. Sign up for Animal Science display.

**Exhibitor can show – 2 gilts and 2 barrows for a total of 4 swine.**

#### Barrow

- Crossbred
- Purebred

#### Gilt

- Crossbred
- Purebred

## KNOX COUNTY MASTER SHOWMANSHIP CONTEST

*(Beef, Sheep, Swine)*

Official schedule will be released closer to the show date

1. Exhibitors must be 14 years or older and enrolled in a 4-H livestock project.
2. The participant must supply his or her own livestock for competition which is an exhibit at the current 4-H Show. They shall own, or borrow each of the three: a steer/heifer, ewe/wether, and a barrow/gilt. The participant may borrow from another Knox County 4-H member who is an exhibitor at the 4-H Show. Each animal can be used only once in each division.
3. Each exhibitor will exhibit and answer questions about each specie.
4. The top exhibitor selected must be able to attend the Illinois State Fair 2021 Master Showmanship Contest.
5. One overall grand winner and alternate will be selected with one representing Knox County at the state contest.
6. A rosette will be given to the alternate at the conclusion of the contest.
7. A division winner will also be selected in beef, sheep and swine.
8. Members that have won the Knox County master showmanship contest may return in subsequent years to compete. If the member wins the state mater showmanship contest, they will no longer be eligible to participate at the county level.
9. The Knox County 4-H Livestock Committee will make all final decisions regarding this contest and the decision of the judges will be final.

## Motto: "To Make the Best Better"

The motto was adopted at about the same time as the 4-H Club Pledge. Its intent is to inspire young people to continue to learn and grow, to make their best efforts better through participating in educational experiences.

## "Learning By Doing"

This phrase sums up the educational philosophy of the 4-H program. Young people learn best when they are involved in their learning. The intent is to do, reflect, and apply.

For a complete listing of your 4-H projects visit [il.4honline.com](http://il.4honline.com)  
or call the Extension Office at 309-342-5108

## Knox County Fairgrounds

