

# 2020 LIVINGSTON COUNTY 4-H SHOW BOOK

## **SATURDAY, JUNE 20**

10 a.m. Public Presentations and Food Demonstrations at the McLean County Extension Office

## **THURSDAY, JULY 9**

8 a.m. Premiere Carcass Live Evaluation at Chenoa Locker

## **MONDAY, JULY 13**

10 a.m. Premiere Carcass Evaluation at Chenoa Locker

2:30 p.m. Visual Arts Check-in begins at Humiston Building

3 - 6 p.m. Visual Arts Judging at the Humiston Building

## **TUESDAY, JULY 14**

5-9 p.m. Livestock Check-in (Do not bring animals to the fairgrounds before 5 p.m.)

5-8 p.m. General Projects Check-in at Humiston Building

Exhibitors will select judging times at check-in.

*Please note: Food products, vegetables, and horticulture exhibits should be brought to the fairgrounds on judging day so the exhibit is fresh for judging.*

## **WEDNESDAY, JULY 15**

7:30 a.m. Flag Raising by AMVETS

8 a.m. Sheep Show (Byrne Building)

9:30 a.m. Dairy Show (Show Barn)

9:30 a.m. General Projects in the Humiston Building

9:30 a.m. Junior Ag Fair Exhibits – Garden Exhibits\*, Herb Gardening\*, Specialty Ag Products\*, Flower Gardening\*, Gardening Indoors\*, Home Economics\* (includes cooking, baking, and candy), Read-A-Book\*, Do Your Own Thing\*

9:30 a.m. Dairy Show in the Show Barn

10 a.m. Horse & Pony Show in the Grandstand Area

1 p.m. Goat Show in the Byrne Building

1:30 p.m. Beef Fitting & Grooming in the Show Barn

2 p.m. Clothing & Textiles Judging in Fair Office

2 - 4 p.m. Open Adult Entry Check-in at the Humiston Building\*

2 - 6 p.m. Unlimited Carnival Rides with the purchase of \$20 wristband

3 p.m. Dog Show in the Show Barn

4:30 p.m. Open Adult Judging in the Humiston Building\*

5:30 p.m. Ag Games in the Grandstand Area

7:00 p.m. King and Queen Crowning and Scholarship Presentations in the Grandstand Area\*

Frankfort Brass Band to follow

\*For a complete listing of Livingston County Ag Fair events and Junior Fair exhibit information visit <http://www.livingstoncountyagfair.com/>.

**THURSDAY, JULY 16**

- 8 a.m. Swine Show in the Show Barn
- 8 a.m. Rabbit Show in the Byrne Building
- 9 a.m. Bicycle Rodeo in Pavilion
- 10:30 a.m. Cloverbud Showcase
- 1 p.m. Photography in the Humiston Building
- 2 p.m. Pheasant & Quail Show in the Byrne Building\*
- 3 p.m. Fashion Review in Fair Office
- 2 - 10 p.m. Carnival Rides open\*
- 6 p.m. Demo Derby \*

**FRIDAY, JULY 17**

- 8 a.m. Beef Showmanship in the Show Barn
- 8 a.m. Beef Heifer Show in the Show Barn
- Beef Steer Show in the Show Barn - one hour after completion of Beef Heifer Show
- 8:30 a.m. Rooster Crowing in east end of Byrne Building
- 9 a.m. Food Decorating Activity and Decorated Cookie Judging in the Fair Office
- 9 a.m. Poultry Show in the Byrne Building
- 10 a.m. Aerospace, Computer Science, Robotics, Technologies, Video & Filmmaking in the Humiston Building
- 12 p.m. Rocket Launch in the Grandstand Area (weather permitting)
- 3 p.m. Cloverbud Dog Show
- 2 - 10 p.m. Carnival Rides
- 4:30 p.m. Kiddie Tractor Pull in the Show Barn put on by Livingston County Farm Bureau\*
- 6:15 p.m. Live Auction of Decorated Cakes and Cookies in the Grandstand Area\*
- 6:30 p.m. Tractor Pulls \*

**SATURDAY, JULY 18**

- 8 a.m. – 3 p.m. State Fair Sign-Up in the Humiston Building
- 8:30 a.m. Cat Show in the Sheep Barn
- 9:30 a.m. Master Showmanship in the Show Barn\*
- 1 p.m. Beef, Rabbit, Poultry, Milk, Wether, and Swine Livestock Sale in the Show Barn\*
- 3 p.m. Release of Exhibits
- 2 - 6 p.m. Unlimited Carnival Rides with the purchase of a \$20 wristband\*
- 3 p.m. Junior Premium Money may be Available at the Fair Office\*
- 7 p.m. Live Chainsaw Carving Auction in the Grandstand Area\*
- 7:30 p.m. Rodeo\*

**SATURDAY, AUGUST 15, 2020****STATE FAIR EXHIBIT DAY FOR LIVINGSTON COUNTY 4-H GENERAL PROJECTS**

\*For a complete listing of Livingston County Ag Fair events and Junior Fair exhibit information visit <http://www.livingstoncountyagfair.com/>.

## **Taking an animal project? READ THIS**

### **For members enrolled in dairy cattle, beef cattle, swine, sheep, and goats:**

- The Youth for the Quality Care of Animals (YQCA) is a new livestock quality assurance program. All 4-H exhibitors of these animals will be required to certify in the YQCA program each year starting for the 2020 show season. Attend either a face to face class or certify on-line via the website [yqca.org](http://yqca.org). The YQCA program is for youth ages 8-21. The online version is broken into age divisions as follows: juniors 8-11, intermediate 12-14, senior 15-18, and young adults 19-21. This certification is needed each year with test out options of 1-3 years. Youth exhibiting swine at the Illinois State Fair and 4-H fairs are no longer required to be PQA plus certified. The estimated cost for the face-to-face training will be \$3 and \$12 for the online version.

### **For members enrolled in horses, rabbits, poultry, dogs, and cats:**

- The Quality Assurance and Ethics (QAEC) training is required for youth in horses, rabbits, poultry, dogs and cats. You only need to take it once in your lifetime. Those who don't complete the training will be removed from the animal project and will not be eligible to exhibit at county fairs. The website is open year round at [web.extension.illinois.edu/qaec/](http://web.extension.illinois.edu/qaec/). NOTE: Youth must be logged on to a computer for this program, either a desktop or laptop; not an iPad or iPhone.

## At-a-Glance Judging Days

**IMPORTANT NOTE** – Species specific Animal Science, Species specific Ready4Life, and Species specific Maker classes are listed in Livestock section of the show book but will be judged on Wednesday in the Humiston Building.

Refer to the project area for more information on check-in days and times as this may be different than judging days.

Livestock	4-H General Projects by Project Area
	Animal Science – Wednesday
Beef – Friday	Aerospace – Friday
Dairy – Wednesday	Bicycle – Thursday
Goat – Wednesday	Cat – Saturday
Horse – Wednesday	Civic Engagement – Wednesday
Pheasant & Quail – Thursday	Clothing and Textiles – Wednesday
Poultry – Friday	College & Career Readiness – Wednesday
Rabbits – Thursday	Communications – Wednesday
Sheep – Wednesday	Computer Science – Friday
Swine – Thursday	Consumer Education – Wednesday
	Crops – Wednesday
	Dog – Wednesday
Junior Agriculture – Wednesday	Electricity – Wednesday
Junior Floriculture – Wednesday	Entomology – Wednesday
Junior Dept. Non-Livestock	Exploratory – Wednesday
• Cookies & Candy – Wednesday	Family Heritage – Wednesday
• Cake and Cookie Decorating – Friday	Foods & Nutrition – Wednesday
• Read-A-Book – Wednesday	Food Demonstration – June 20
• Do Your Own Thing – Wednesday	Forestry – Wednesday
• Open Adult – Wednesday	Geology – Wednesday
	Health – Wednesday
See <a href="https://www.livingstoncountyagfair.com">https://www.livingstoncountyagfair.com</a> for more information	Horticulture – Wednesday
	Intercultural – Wednesday
	Interior Design – Wednesday
	Leadership – Wednesday
	Natural Resources – Wednesday
	Photography – Thursday
	Plants & Soils – Wednesday
	Robotics – Friday
	Shooting Sports – Wednesday
	Small Engines – Wednesday

	<b>Small Pets – Wednesday</b>
	<b>Technologies – Friday</b>
	<b>Theatre Arts – Wednesday</b>
	<b>Tractor – Wednesday</b>
	<b>Veterinary Science – Wednesday</b>
	<b>Video/Filmmaking – Friday</b>
	<b>Visual Arts – Monday, July 13</b>
	<b>Visual Arts Food Decorating Activity – Friday</b>
	<b>Weather – Wednesday</b>
	<b>Welding – Wednesday</b>
	<b>Woodworking – Wednesday</b>

## New for 2020

- New Exhibit Opportunities
  - Family Heritage
  - Sports Nutrition (Food & Nutrition)
  - Visual Arts Leather
  
- Bicycle Rodeo Returns to the 4-H Show on Thursday
  
- Nature Projects
  - Nature Projects are divided into two Exhibit areas
    - Nature: Natural Resources & Outdoor Adventures
    - Nature: Fishing & Wildlife
  
- Changes in Visual Arts Exhibit Opportunities
  - Exhibitors may enter up to three different mediums within each class between original and non-original; however three of the same type cannot be shown.
  - Example: In Clay, you can exhibit one pinch pot, one sculpture, and one diorama. However, you can NOT exhibit more than one of the same medium. Example, you cannot show three sculptures in clay.
  - **NOTE: Members will only earn one premium per class. Only Original projects are eligible for State Fair.**
  
- Cloverbud Events – Watch for announcements coming soon!
  - Cloverbud Showcase – Thursday
  - Cloverbud Dog Show – Friday

# General Rules of the Livingston County 4-H Show

## Enrolling Exhibits

1. All exhibitors must be enrolled 4-H members.
2. Members may only enter exhibits in project areas in which they are enrolled. All projects must have been enrolled by April 15 of the current 4-H year.
3. **All entries must be submitted through the FairEntry.com system by midnight on June 15.**
4. To be eligible to exhibit at the State Fair, a 4-H member must be eight years old as of September 1 of the current 4-H year.
5. All 4-H projects must be completed during the current 4-H year (beginning September 1).
6. Only one entry per class is allowed.
7. There will be no entry or pen fees for 4-H exhibits.

## New Guidelines for Visual Arts

Members exhibiting in Visual Arts may show up to three medium in each class between original and non-original. *Three total projects* may be exhibited in *each* Visual Arts Project Area.

For example, in Paper you can exhibit:

- one quilling project,
- one origami project, and
- one greeting card project

However, you cannot exhibit more than one of the same medium. Example, you cannot show three quilling projects.

## Copyright Rules

1. When an author, musician, designer, or artist creates something, it is immediately protected by copyright or trademark laws and other people can't use it or create something similar. Original works such as stories, music, pictures, plays, dances, sculpture, movies, and architecture are protected. 4-H members should use caution when working on a speech, display, or exhibit so you don't use something that doesn't belong to you.
2. **4-H members can't draw or copy someone else's design, logo, words, or music without the permission of the original owner.** That means, you can't draw a logo (such as Ford or John Deere) and use it on your exhibit. You can't create Mickey Mouse ears on your cake. You can't draw a Disney princess. You can't put SpongeBob image on your natural resource project exhibit board.
  - a. **Exception:** If you do purchase an item that is already made, that is okay to include. For example: If you buy a package of Mickey Mouse stickers and use those in your scrapbook, that is okay because the company who produced those stickers already signed a licensing agreement with Disney to reproduce those images.
3. Think of it like this. You wouldn't take your neighbor's bike and ride it around to make your life easier without getting permission first. That would be stealing. When you take words, art, graphics, or photographs that aren't yours but use them like they are, that's stealing, too. Copying them from the internet is the same as stealing them unless you are using a site specifically created for free use of images.

For more information on what's allowed, contact your local 4-H Staff to ensure we are all respecting the rights of others.

## Judging

1. **Exhibitors must be present at time of judging unless conflicts of showing other exhibits arise and the exhibitor has made arrangements with the project superintendent. If unable to participate in conference judging, exhibitor may complete the Livingston County 4-H Exhibit Report form when checking projects in at the show. The projects will be judged, but will not be eligible for state fair.**
2. Only exhibits receiving an "A" rating are eligible for a plaque/award items.
3. **Unless otherwise stated, required written reports, maintenance schedules, etc. must accompany the project at the time of check-in or project will be lowered one grade.** Please see rules regarding your project area in this book.
4. **If exhibit requirements for projects are not met or the project is entered in the wrong class, the project will be lowered one grade.**
5. Members should not bring their project books to the show unless specified in the exhibit requirements for project area.

### Awards and Premium

1. Only one show or exhibition of a class will be eligible for awards as provided in Section 14 of the Agricultural Fair Act. **According to the Bureau Chief of the Illinois Department of Agriculture Bureau of County Fairs and Horse Racing, 4-H members are allowed to receive (1) ONE premium per class exhibited in premium eligible projects. This covers ALL projects, including livestock.**
2. Premium money will be divided after the show when the extent of participation has been determined and money is available from the Department of Agriculture. Premiums will be based on the "X" factor.
3. **Distribution of Premiums** – "The Department of Agriculture shall use its best efforts to secure sufficient appropriations to fund premiums. In any year for which the General Assembly of the State of Illinois fails to make an appropriation sufficient to pay such premiums, premium amounts may not be accurately reflected in this Premium Book. State Statute 3-ILCS 120/14(d) from Illinois Department of Agriculture says that "awards are subject to modification or cancellation in any year for which the General Assembly fails to make an appropriation to fund the premiums."
4. **Award winners are encouraged to write a thank you note, including a picture of you with your award and project, to the sponsor and express your appreciation. Name and address of sponsor can be found with the thank you note provided.**
5. All 4-H members enrolled in Livingston County may only exhibit and collect premiums, plaques, and 4-H record awards in **one county**. Any youth that fails to attend at least three club meetings or activities, give a talk or demonstration at the club level, be enrolled by April 15, have enrolled in a project area by April 15 and signed the Livingston County Expansion and Review Committee Agreement Form will not be eligible to show or to sell at the livestock auction.

### Removing of Exhibits

1. **No exhibits shall be removed before 3 p.m. on Saturday of the fair.**
2. Exhibits removed early will forfeit premiums.
3. If you cannot be at the fair to pick up exhibits, make arrangements with your 4-H leader, another 4-H family or Extension staff to pick up your exhibits. Exhibits may be discarded if left too long as space at the Extension Office is limited.
4. Perishable items will be disposed of immediately.

### Miscellaneous

1. **Unsportsmanlike conduct will not be tolerated from exhibitors, parents or spectators.** Individuals will be asked to leave the 4-H Park.
2. **No pets are allowed at the 4-H Park unless part of an exhibit.** Owners and animals will be asked to leave the 4-H Park.
3. **All accidents should be reported to an Extension staff member immediately.**
4. No 4-H members are allowed overnight at the 4-H Park.

### Livestock

1. All livestock exhibited must meet the health requirements of the State Division of Livestock Industry. These requirements are listed further on in this show book.
2. **All 4-H members exhibiting beef, dairy, goats, sheep, and swine are required to complete the YQCA training at [yqca.org](http://yqca.org). Quality Assurance and Ethics training is required for exhibitors of horses, poultry, rabbits, dogs, cats, and small pets projects (live animal) at the Livingston County 4-H Show. The QAEC training may be found at <http://web.extension.illinois.edu/qaec>. A 4-H member must only take the training one (1) time in their 4-H career for any species to be qualified to show.**
3. If a livestock exhibitor has more than one (1) animal in the show ring, another Livingston County 4-H member may assist by showing one of the animals. Youth under age eight (8) or not enrolled in Livingston County 4-H may not assist.
4. University of Illinois Extension will **not** be liable for animals lost, hurt, or that die at the Livingston County 4-H Show.

**NOTE: EARLY RELEASE TO GO TO ANOTHER FAIR IS NOT ALLOWED NOR IS THE SUPERINTENDENT ALLOWED TO RELEASE EXHIBITS EARLY. PREMIUMS WILL BE IN JEOPARDY IF THESE RULES ARE NOT ADHERED TO.**

**PLEASE READ THE LIVINGSTON COUNTY AG FAIR BOOK REGARDING JUNIOR AG FAIR RULES, PREMIUM, AND SALE CHECKS.**



# UNIVERSITY OF ILLINOIS EXTENSION

## 4-H MEMBER CODE OF CONDUCT

ALL participants of the Illinois 4-H Youth Development program, which is the youth component of programs planned, conducted, and supervised by University of Illinois Extension, are responsible for their conduct to U of I Extension personnel and/or volunteers of the 4-H Youth Development program.

4-H members' behavior is expected to demonstrate the character traits of trustworthiness, respect, responsibility, fairness, caring, and citizenship. Specifically, 4-H members are expected to maintain the following standards:

1. Be courteous and respect others.
2. Obey all rules set by members of their club/group and those set for 4-H activities in which they participate.
3. Treat all people fairly and animals humanely.
4. Respect the property of others.
5. Respect the authority of adult and youth volunteers and others in leadership roles.
6. Avoid profane and abusive language.
7. Show kindness to others and give assistance when needed.
8. Be honest and honor commitments.
9. Do their best and keep trying to improve.
10. Accept responsibility for their own choices.

**The following conduct will not be allowed while participating in any 4-H event or activity and is subject to disciplinary action:**

- a) Possession, use, or distribution of alcohol and other controlled substances, including tobacco products.\*
- b) Theft or destruction of public or private property.
- c) Involvement in sexual misconduct or harassment.
- d) Unauthorized possession or use of weapons or dangerous materials (including fireworks).
- e) Fighting or other acts of violence.

***\*Information about prescription drugs should be provided to club leader or coordinator of the 4-H activity.***

# NEW MEMBER INFORMATION

## What do I need to do before the 4-H Show?

- **Read this Show Book! Read the general rules and especially the criteria for your projects.**
- You must be enrolled in the project at the correct level. The enrollment deadline for all projects is April 15, 2020.
- You can only bring what you are enrolled in to the Livingston County 4-H Show.
- Your official 4-H Show entry must be completed through the FairEntry.com system by midnight on June 15, 2020. No late entries are accepted.
- If you are exhibiting a horse, the lease or ownership paper along with two pictures (both sides) of the horse need to be in the Extension office by June 1, 2020.
- All members exhibiting in beef, dairy, horse, goats, sheep must complete the YQCA certification. Registration for the training is available at [yqca.org](http://yqca.org). Poultry, horse, rabbits, dogs, cats, and small pets must complete Quality Assurance and Ethics Training (QAEC) (<http://web.extension.illinois.edu/qaec/>). The training only needs to be taken ONCE in the 4-H member's career. No show entries will be accepted from exhibitors who have not completed the training.

## When do I go to the Fair? What do I do when I get there?

- Tuesday between 5 – 8 p.m. is the general project check in and 5 – 9 p.m. is the check-in time for livestock projects except for dogs and cats. See the dog and cat sections of the show book for details on the dog and cat show.
- Exhibit tags for projects will be distributed by your 4-H club leader. Securely attach exhibit tags to your projects.
- Do not leave valuables with projects. You can bring them to your judging.
- All general 4-H projects are conference judged. Please sign up for conference judging with the project area superintendent at check-in. The judge spends approximately five to ten minutes per interview.
- We are somewhat flexible with the judging schedules. If you have a conflict with other 4-H related judging times, see an Extension staff member or adult volunteer serving as project coordinator. **All projects must be conference judged to be eligible for State Fair exhibit consideration.**
- Look at the maps for registration and judging locations. The doors to the Humiston building will only be used to admit 4-H exhibitors for judging. All other fairgoers should not enter the building until all judging is complete. It will then be open to 4-H members and public for viewing. It will close at 4:30 p.m. on Saturday. The 4-H Building will close every other night by 8 p.m.
- See General Rules of the Livingston County 4-H Show in this show book.

## If I checked in a project on Tuesday and have it judged on another day, how do I get it for judging?

We have area coordinators at the project area that will give you your project at the time of judging. This is for the 4-H member's safety and the safety of all projects.

## How is my project judged?

Judging is a learning experience, from which you can learn what you did well and how you could improve in the future. An exhibit does not measure all that you have learned, but it is an example of what you have done. During conference judging, the judge will encourage you to talk about your project exhibit. 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 and what you did to make the exhibit.

## What are the judges looking for?

The exhibitor's goals:

- What was your goal for the project? How did you work toward your goal? What important things did you learn?
- Requirements for the project are met to the best of the exhibitor's abilities.
- Evidence of learning, workmanship and techniques, appearance and design.

## What do ribbon colors mean?

Illinois 4-H uses the Danish system of judging—rather than competing against someone else, youth challenge themselves to create exhibits that represent their best.

**Blue:** Exhibit meets all requirements well.

**Red:** Exhibit meets some requirements well, but could use improvement on other requirements.

**White:** Exhibit needs improvement on many requirements or is missing information critical to evaluation of the exhibit.

**What do I do if I receive Special Honors at the Fair?**

You will receive an A, B, or C ribbon after your judging. When all projects are judged the judge might then give plaque winner or State Fair winner recognition. If you receive a State Fair ribbon on your project, **you must then decide if** you want to go to State Fair with that project. You may only take one exhibit to the State Fair so if you win in more than one area, you must choose which project you would like to take. State Fair sign-up will take place in the fair office. See fair schedule for days and times. If you receive a plaque/award, please take time to send a thank you note to the donor.

**Judge's word is final.**

**Phone in offices only used for emergencies.**

**Projects will not be released early. (Not before 3 p.m. on SATURDAY)**

## **VOLUNTEERING AT THE FAIR**

The Livingston County 4-H Show is made possible by many volunteers. We would like to invite you to become one! Possible opportunities include:

### **Humiston Building (4-H Building) Committee**

Each year we try to improve the appearance and workability of the Humiston Building for our 4-H exhibits. Repairs need to be made, painting and cleaning done and display areas adjusted to adapt to new projects and project exhibit requirements. This is an opportunity to help display 4-H projects and to make their viewing enjoyable for fairgoers. The committee meets in the spring after the Humiston Building is cleared of rental, and then prior to the fair to work on the building as needed to complete the improvements, and then once during the fair.

### **Work Days**

Livingston County Ag Fair Board members work on the 4-H Park year-round. Volunteers are always needed to help rake leaves, pick up sticks and do small projects. You may contact any of the board members if you are interested.

The Humiston Building is set up on Saturday before the fair. All 4-H clubs are asked to help with set-up.

The Humiston Building is taken down the last day of the fair. All 4-H clubs are asked to help with clean-up.

### **Judges, Superintendents, and Assistants**

Judges, superintendents, and assistants are always needed to help in the general project area. Judges need not be experts, but are knowledgeable in the area that they would like to judge.

Superintendents are responsible for checking in projects, recording grades, attaching ribbons and displaying projects.

Assistants are responsible for helping organize conference judging (including check-in scheduling and helping with flow of exhibitors to their judging locations) as well as assisting the superintendents with attaching ribbons and displaying projects.

## EXHIBITION LIVESTOCK HEALTH REQUIREMENTS

All 4-H members must follow the 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 2020 guidelines can be found online at <https://4h.extension.illinois.edu/programs/animal-sciences/livestock-issues>

### GENERAL LIVESTOCK REQUIREMENTS

1. Exhibitors are required to familiarize themselves with all rules applicable to their exhibits.
2. All animals, except as noted, shall be accompanied by a Certificate of Veterinary Inspections (CVI) which shows that the animal meets all health requirements for the State of Illinois. Certificates of Veterinary inspection shall be made available to Bureau of Animal Health Personnel on request. Certificate of Veterinary Inspection means a legible record made on an official form from the state of origin which has been issued, signed and dated by an accredited veterinarian and which shows the name and address of the animal's owner or exhibitor and the results of all required tests or vaccinations. A Certificate of Veterinary Inspection shall list only one animal identification per line; shall be presented on the form on which it was initially issued; and shall not be corrected, changed or altered in any manner.
3. All animals shall be officially identified. The animal(s) official identification shall be recorded on the Certificate of Veterinary Inspection.
4. If animals are from tuberculosis accredited, brucellosis certified, pseudorabies qualified, or brucellosis validated herds, the identifying herd number(s) along with the date of the last herd test(s) shall appear on the Certificate of Veterinary Inspection.
5. Certificate of Veterinary Inspection for out-of-state livestock shall be void thirty (30) days after issuance.
6. Certificate of Veterinary Inspection for Illinois-origin livestock shall be void ninety (90) days after issuance.
7. All livestock shall be subject to examination upon entry to any Illinois fair or exhibition. Any animal showing evidence of infectious, contagious or communicable diseases shall be immediately withdrawn and held in quarantine at the owner's risk and expense until properly treated and recovered, or until the animal is released to return to the owner's premise. Any livestock infected with scabies, mange, active lesions of ringworm, sore mouth, or multiple warts which are easily visible without close examination shall not be permitted to exhibit and are subject to quarantine or removal from the fairgrounds. Sheep and goats with Caseous lymphadenitis as evidenced by draining abscesses shall not be exhibited and are subject to immediate quarantine or removal from the fairgrounds.
8. Illinois Department of Agriculture personnel or designee may collect blood, tissue, milk or urine samples from any animal being exhibited and/or raced at any Illinois fair to test for the presence of illegal drugs or banned substances. New examination techniques, such as ultrasound, may also be used at any time while the animals are on the grounds of any Illinois fair or exhibit. The Illinois Department of Agriculture or designee may collect urine, blood, tissue or other test samples from exhibition animals at the time of slaughter.
9. All exhibitors of animals at any Illinois fair or exhibition shall comply with the provisions of the Illinois Humane Care for Animals Act. If violations are observed, the animal(s) will be excused from exhibition and ordered removed from the grounds with all awards being forfeited. Any practice or deviation from normal, accepted care, including physical, medical or mechanical application shall constitute a violation of show rules and may result in the animal(s) disqualification and removal from the fairgrounds.
10. Any Illinois cattle, bison, cervidae or goats being exhibited in non-accredited free states must be isolated from the remainder of the herd/flock upon return to Illinois and retested for tuberculosis 60-120 days post-entry.
11. **All 4-H members exhibiting beef, dairy, goats, sheep, and swine are required to complete the YQCA training at [yqca.org](http://yqca.org). Quality Assurance and Ethics training is required for exhibitors of horses, poultry, rabbits, dogs, cats, and small pets projects (live animal) at the Livingston County 4-H Show. The QAEC training may be found at <http://web.extension.illinois.edu/qucec>. A 4-H member must only take the training one (1) time in their 4-H career for any species to be qualified to show.**

## NEATEST LIVESTOCK EXHIBIT

In all livestock areas that have Neatest Exhibit awards, a committee will select the neatest exhibit at any time during the fair other than during the judging of the species. This is a random time without prior notice to the 4-H members.

### CRITERIA:

1. Clean, well-groomed animals.
2. Animals and stall area free from fecal accumulations.
3. Clean bedding materials.
4. Emphasis given to exhibits that have been cared for primarily by the 4-H member; parents can assist, but should not dominate care of the display.
5. Orderly tack area and feed storage.
6. Stall areas can have banners, signs, special display materials. However, items 1 through 5 will carry more weight in the Neatest Exhibit determination.

### SHOWMANSHIP

All Showmanship participants must show in the appropriate age group according to their age the **day of show**.

### NO EXCEPTIONS.

Age divisions:

8-10 years old

11-14 years old

15-19 years old

(No Premium Money, Enter Day of Show)

## SATURDAY AFTERNOON LIVESTOCK MANURE POLICY

**SWINE:** Clean out stalls, load manure in designated area.

**DAIRY:** Manure is to be pushed to the middle of barn.

**BEEF:** Manure is to be pushed to the middle of the barn.

**BEEF TIE OUTS:** Load manure into designated area, clean up ground.

**HORSES:** Clean out stalls, haul manure to manure pit.

**SHEEP:** Clean out pens and put in designated area.

**RABBITS AND POULTRY:** Clean out pens and put in designated area.

**GOATS:** Fold up pens and push manure, etc. to the middle of the aisle.

**Note: Because of high disposal costs, bedding is limited to a depth of six inches in stalls. This applies to inside barns and in tie-out areas.**

## LIVINGSTON COUNTY MASTER SHOWMANSHIP

- The Beef, Swine, and Sheep judges will select and determine who the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place showmanship winners are from each species and inform the specie superintendents so that the 1<sup>st</sup> and 2<sup>nd</sup> specie showmanship winners can be invited to participate in the Master Showmanship competition. If the 1<sup>st</sup> or 2<sup>nd</sup> place showmanship winners decline to participate in Master Showmanship, the 3<sup>rd</sup> place showman will be invited to participate. If there are not 2 participants from each species after offering the opportunity to the 1<sup>st</sup>, 2<sup>nd</sup>, or 3<sup>rd</sup> place individuals within a species, that species will not have 2 contestants in the Master Showmanship competition.
- The superintendents from each species will supply the animals and supplies for the competition.
- Each exhibitor will exhibit and answer questions about each species.
- The top exhibitor selected must be able to attend the Illinois State Fair ADM Master Showmanship Contest TBA at a later date in the south show ring of the Junior Livestock Barn of the Illinois State Fairgrounds.
- One overall grand winner and alternate will be selected with one representing Livingston County at the state contest.
- A separate judge and/or judges will be furnished for this contest.

The Livingston County Master Showmanship Committee will make all final decisions regarding this contest and the decision of the judges will be final.

## AG FAIR LIVESTOCK SALE RULES

To participate in the Livingston County Ag Fair Livestock Sale, a 4-H member must be a Livingston County Community Club 4-H member and abide by all aspects of the General Rules and Regulations section of this show book, and the rules set by the Livingston County Ag Fair Livestock Sale Committee. Please see <https://www.livingstoncountyagfair.com/entries/> for complete information.

# BEEF CATTLE

Contact Superintendents – Ryan Hart and Adam Girard

To maximize your Beef showing experience, remember to enter in the corresponding Jr. Ag Fair classes.

Visit <https://www.livingstoncountyagfair.com/>

## For members enrolled in beef cattle:

- The YQCA is a new livestock quality assurance program. All 4-H exhibitors of beef cattle will be required to certify in the YQCA program each year starting for the 2020 show season. Attend either a face to face class or certify on-line via the website [yqca.org](http://yqca.org)

## Beef Health Rules

### Identification

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

### Illinois Cattle

#### Brucellosis

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

#### Tuberculosis

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

**Please note: Illinois calves less than six months of age, and Illinois steers are not required to have a Certificate of Veterinary Inspection.**

## Livingston County General Beef Rules

1. Please read, follow, and understand all “General Rules and Regulation” and “Exhibition Livestock Health Requirements” found in the front of this show book.
2. All female beef projects must be accompanied by a health certificate. All health papers will be picked up at the gate upon entering the 4-H Fairgrounds. No animals will be permitted on the grounds without the necessary health papers.
3. Steers must be born between January 1 and December 31 of the previous calendar year. Any over-age steer will not be permitted to show. Steers must be owned and personally cared for by the 4-H member since February 1 of the current calendar year and carried as part of their 4-H project.
4. All steers will be weighed and mouthed at the 4-H Show.
5. All steers must have been tattooed in the exhibitor’s name by the designated date in February by Directors and Superintendents of the 4-H Show to be eligible to exhibit at the 4-H Show or the Illinois State Fair Junior Show.
6. Steers and Commercial Heifers will be shown in a weight division. Each exhibitor will be responsible for weighing his/her animal at 8 a.m. on Wednesday morning of the 4-H Show. The animal will be assigned to the weight class to which it belongs.
7. All breeding female animals shown in purebred classes must follow the Illinois State Fair Show guidelines and be registered in the name of the person making the entry by June 1 of the current calendar year. Superintendents will check registration papers on the morning of the show. Exhibitors must bring registration papers for all beef animals entered in purebred classes.
8. Commercial Breeding Class is open to non-registered females that are to be placed back into the breeding herd. They will be shown by weight.
9. All cattle will be assigned to stalls by the superintendents.
10. Animals to be exhibited in the Livingston County Born and Raised classes must be declared at the tattoo and weigh-in date in February.
11. Exhibitor may enter one animal in each Rate of Gain premium number.
12. Market animals may not have permanent teeth to be eligible to show. This rule is to be strictly enforced.
13. The ages for Purebred classes are:
  - Senior Calf: (calved after October 1 of previous calendar year).
  - Late Summer Yearling: (calved between July 1 & September 30 of previous calendar year).
  - Early Summer Yearling: (calved between April 1 & June 30 of previous calendar year).



- Junior Yearling: (calved between January 1 & March 31 of previous calendar year).
  - Senior Yearling: (calved between September 1 & December 31 of previous calendar year).
  - Cow/Calf Pair: any new cow with natural calf at side (all breeds show together).
14. Steers entered in the Purebred English Steers class must be from purebred and registered parentage of the same breed, and are subject to blood test for typing and dismissal at the discretion of the Livingston County 4-H Show Committee in cooperation and compliance with the Livingston County Agricultural Fair Board.
  15. Each Exhibitor is limited to one entry per class unless otherwise specified.
  16. The Livingston County 4-H Show Committee members have the right to dismiss any unruly animals in cooperation and compliance with the Livingston County Ag Fair Association.
  17. Each beef exhibitor may have **one fan for every two animals**. No butt fans allowed anywhere in the barn. Hanging fans are the only fans that may be used.
  18. Tie outs for animals will be in designated areas. Each exhibitor must provide their own gate and post for tie outs. If exhibitor ties out animals, the area must be cleaned before he/she can receive premium monies.
  - 19. Beef Steers must weigh at least 1000 pounds at the Fair weigh-in to be eligible to sell in the sale.**
  20. Animals and pens must be kept clean.
  21. Breeding heifers shown in Bred & Owned classes must specify the exhibitor as the breeder and owner on the registration papers. All breeds will show together including AOB.
  22. Commercial heifers are not eligible for Bred & Owned classes.
  23. Dams of breeding females entered in the Bred & Owned classes must have been owned by and registered in the name of the exhibitor when the breeding female being shown was conceived.
  24. No grooming chutes will be allowed in the barn.
  25. Each animal in the pair classes is required to be entered and shown in the appropriate individual class.
  26. Neatest exhibit award will go to an individual or family.
  27. Cell phones in show ring are strictly forbidden. Disregard of this rule will be addressed by the beef superintendents and 4-H Extension Staff.
  28. Livestock trailers cannot be parked on the fairgrounds for the duration of the fair.

## Additional Rules for Carcass Classes

1. Premiere carcass class will consist of one class with all breeds showing together. Lightweight calves may be discounted if sold to packer due to slaughter grade.
2. Each exhibitor will be allowed one entry per class. To qualify, premiere carcasses must grade at least low select, have a yield grade lower than 4.0, and a hot carcass weight of 1,000 lbs. or less. Remaining animals will be placed accordingly.
3. Steers will be taken to Chenoa Locker for live evaluation and slaughter.
4. Each exhibitor may have the carcass processed for their personal use or sell the carcass to the locker. ***If exhibitor intends to sell the carcass to the locker, the exhibitor must make the arrangements with the locker prior to the day of the show.*** Payment will be based on the dressed beef price that day. Pay weight will be determined by locker (dressed weight).
5. The slaughtering fee will be in accordance with current processing fees.
6. Premiere carcass steers must conform to General Livestock Rules and Regulations of the Livingston County 4-H Show.
7. In the event the meat inspector condemns any part or the entire carcass, the exhibitor will stand the loss.
8. The Grand Champion 4-H Premiere carcass may be sold at the Ag Fair Auction during the fair by live weight and must conform to standards in rule 2 above.

## 4-H BEEF STEERS

Show—Friday, 1 hour after Beef Heifer Show  
Showmanship—Friday, 8 a.m.  
Show Barn

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” Factor.

To maximize your Beef showing experience, remember to enter in the corresponding Jr. Ag Fair classes.

Visit <https://www.livingstoncountyagfair.com/>

### FITTING & GROOMING CONTEST

Show Barn

No. 001 8-14 years old

No. 002 15-19 years old

\*\*Steer classes are listed by order of weight—from lightest to heaviest—and number of weight classes will be determined by number of entries in each lot. Exhibitors will be assigned to appropriate weight classes after weighing of steers by superintendents. Steer entries should be made using correct lot number and one per class. Champions will be selected from each lot number.

### PUREBRED ANGUS STEERS

No. 003 Lightweight

No. 004 Heavyweight

### PUREBRED HEREFORD STEERS

No. 005 Lightweight

No. 006 Heavyweight

### PUREBRED SHORTHORN STEERS

No. 007 Lightweight

No. 008 Heavyweight

### PUREBRED CHAROLAIS STEERS

No. 009 Lightweight

No. 010 Heavyweight

### PUREBRED SIMMENTAL STEERS

No. 011 Lightweight

No. 012 Heavyweight

### CROSSBRED STEERS

No. 013 Lt. Lightweight

No. 016 Lt. Mediumweight

No. 014 Med. Lightweight

No. 017 Hvy. Mediumweight

No. 015 Hvy. Lightweight

No. 018 Lt. Heavyweight

### SHOWMANSHIP

Same time as Beef Breeding Show.

Entrants must be a beef exhibitor to show.

All Showmanship participants must show in the appropriate age group according to their age the day of the show. **NO**

### EXCEPTIONS

8-10 years old

11-14 years old

15-19 years old

**(No Premium Money, Enter Day of Show)**

Showmanship animals do not have to be groomed.

### RATE OF GAIN – STEERS

Rate of Gain classes must be entered in fairentry.com in order to participate in the 4-H Show in these classes

No. 030 English Breeds

No. 031 All Other Breeds

**PREMIERE CARCASS**

No. 032 All Breeds

**(Chenoa Locker) Thursday, July 9**

Live Evaluation.....8 a.m.

**(Chenoa Locker) Monday, July 13**

**(Sign up at live evaluation to determine exact schedule)**

Carcass Evaluation.....10 a.m.

# 4-H BEEF HEIFERS

Show—Friday, 8 a.m.  
Show Barn

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an "X" factor.

## PUREBRED ANGUS FEMALE

No. 035 Senior Calf	No. 038 Junior Yearling
No. 036 Late Summer Yearling	No. 039 Senior Yearling
No. 037 Early Summer Yearling	

## PUREBRED HEREFORD FEMALE

No. 040 Senior Calf	No. 043 Junior Yearling
No. 041 Late Summer Yearling	No. 044 Senior Yearling
No. 042 Early Summer Yearling	

## PUREBRED CHAROLAIS FEMALE

No. 045 Senior Calf	No. 048 Junior Yearling
No. 046 Late Summer Yearling	No. 049 Senior Yearling
No. 047 Early Summer Yearling	

## PUREBRED SIMMENTAL FEMALE

No. 050 Senior Calf	No. 053 Junior Yearling
No. 051 Late Summer Yearling	No. 054 Senior Yearling
No. 052 Early Summer Yearling	

## PUREBRED SHORTHORN FEMALE

No. 055 Senior Calf	No. 58 Junior Yearling
No. 056 Late Summer Yearling	No. 59 Senior Yearling
No. 057 Early Summer Yearling	

## AOB FEMALE (Breeding Females with Breed Association Registration Papers for which we have no class)

No. 060 Senior Calf	No. 063 Junior Yearling
No. 061 Late Summer Yearling	No. 064 Senior Yearling
No. 062 Early Summer Yearling	

## COMMERCIAL FEMALE (Breeding Females with no Breed Association Registration Papers)

No. 065 Lightweight
No. 066 Mediumweight
No. 067 Heavyweight

## BRED AND OWNED FEMALE ALL BREEDS

No. 068 Senior Calf	No. 071 Junior Yearling
No. 069 Late Summer Yearling	No. 072 Senior Yearling
No. 070 Early Summer Yearling	

## PAIR OF FEMALES

No. 073 All Breeds
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## COW/CALF

### ALL BREEDS

No. 074 Cow/Calf (not eligible for Grand Female)
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### **Beef Animal Science (SF 50135)**

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

### **Beef Maker (SF 50400)**

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

#### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category.

To qualify for this category, your project MUST abide by the following guidelines:

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

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

# DAIRY CATTLE

Contact Superintendent—Jesse Mackinson  
Show—Wednesday, 9:30 a.m.  
Show Barn

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” factor.

**To maximize your Dairy showing experience, remember to enter in the corresponding Jr. Ag Fair classes.**

Visit <https://www.livingstoncountyagfair.com/>

## For members enrolled in dairy cattle:

- The YQCA is a new livestock quality assurance program. All 4-H exhibitors of dairy cattle will be required to certify in the YQCA program each year starting for the 2020 show season. Attend either a face to face class or certify on-line via the website [yqca.org](http://yqca.org).

## Dairy Health Rules

### Identification

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

### Illinois Cattle

#### Brucellosis

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

#### Tuberculosis

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

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

## LIVINGSTON COUNTY GENERAL DAIRY RULES

1. Please read, follow, and understand all “General Rules and Regulations” and “Exhibition Livestock Health Requirements” as listed in the front of this show book.
2. **All female dairy projects must be accompanied by a health certificate. All health papers will be picked up at the gate upon entering the grounds. No animals will be permitted on the grounds without the necessary health papers.**
3. **All purebred animals shown will be registered in the name of the person making the entry by June 1 of current year.** Registration papers will be checked by Superintendents before the animal is exhibited.
4. Non-registered heifers will be permitted to show provided they have Identified Grade Papers from their breed association. All non-registered animals must have Identified Grade Papers prior to the fair. The papers must be in the name of the exhibitor.
5. Each exhibitor will be limited to one entry under each premium number.
6. All cattle will be assigned to stalls by the superintendent.
7. Dam and Daughter: Both females must be entered and shown in respective classes.
8. Produce of Dam: Group to consist of two animals, any age, female, the produce of one cow. The dam must be named.
9. Entries in the Dairy classes must have been owned and personally cared for by the exhibitor in accordance with the following project starting dates:
  - Junior and Senior Calves - May 1 of current year
  - Junior Heifers - June 1 of current year
  - Senior Heifers - January 1 of current year
  - Cows - October 1 of previous year
10. Best three females must be owned and exhibited by same person.
11. Cell phones in show ring are strictly forbidden. Disregard of this rule will be severely addressed by the dairy superintendents and the Livingston County 4-H Show Committee.
12. The Livingston County 4-H Show Committee has the authority to release any animal deemed unhealthy or injured in cooperation and in compliance with the Livingston County Agricultural Fair Association.

**The calving date will determine the Sub-Class for each entry. The dates shall be as follows:**

Spring Calf - Born after March 1 of current year

Winter Heifer Calf - Born after December 1 of previous year to February 28 of current year

Fall Heifer Calf - Born September 1 through November 30 of previous year

Summer Yearling Heifer - Born June 1 through August 31 of previous year

Spring Yearling Heifer - Born March 1 through May 31 of previous year

Winter Yearling Heifer - Born December 1 two years previous through February of previous year

Fall Yearling Heifer - Born September 1 two years previous through November 30 of previous year

Cow, 2 years old - Born September 1 through August 30 two years previous

Cow Aged - Born before August 31 three years previous

**GUERNSEY & JERSEY**

No. 084 Spring Calf

No. 085 Winter Calf

No. 086 Fall Calf

No. 087 Summer Yearling

No. 088 Spring Yearling

No. 089 Winter Yearling

No. 090 Fall Yearling

No. 091 Cow, 2 years

No. 092 Cow, aged

No. 093 Dam and Daughter

No. 094 Produce of Dam

No. 095 Best 3 Females

**HOLSTEIN**

No. 096 Spring Calf

No. 097 Winter Calf

No. 098 Fall Calf

No. 099 Summer Yearling

No. 100 Spring Yearling

No. 101 Winter Yearling

No. 102 Fall Yearling

No. 103 Cow, 2 years

No. 104 Cow, aged

No. 105 Dam and Daughter

No. 106 Produce of Dam

No. 107 Best 3 Females

**AYRSHIRE**

No. 108 Spring Calf

No. 109 Winter Calf

No. 110 Fall Calf

No. 111 Summer Yearling

No. 112 Spring Yearling

No. 113 Winter Yearling

No. 114 Fall Yearling

No. 115 Cow, 2 years

No. 116 Cow, aged

No. 117 Dam and Daughter

No. 118 Produce of Dam

No. 119 Best 3 Females

**ALL OTHER BREEDS**

No. 120 Spring Calf

No. 121 Winter Calf

No. 122 Fall Calf

No. 123 Summer Yearling

No. 124 Spring Yearling

No. 125 Winter Yearling

No. 126 Fall Yearling

No. 127 Cow, 2 years

No. 128 Cow, aged

No. 129 Dam and Daughter

No. 130 Produce of Dam

No. 131 Best 3 Females

**SHOWMANSHIP**

(Entrants must be a dairy exhibitor to show.)

All Showmanship participants must show in the appropriate age group according to their age the day of the show.

**NO EXCEPTIONS**

8-10 years old

11-14 years old

15-19 years old

**(No Premium Money, Enter Day of Show)**

Showmanship animals do not have to be groomed

**DAIRY STEER**

Must be de-horned to Show

No. 142 Tattooed from first year Jr. Bucket Calf Class (All ages)



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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

### **Dairy Cattle Maker (SF 50400)**

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

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

## GOATS

Contact Superintendent—Deanna Hanks  
Show—Wednesday, 1 p.m.  
Byrne Building

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” factor.

**To maximize your Goat showing experience, remember to enter in the corresponding Jr. Ag Fair classes at <https://www.livingstoncountyagfair.com/>. Contact Deanna Hanks with any goat entry questions at (309) 212-1696.**

### For youth enrolled in Dairy Goats, Meat Goats:

- The YQCA is a new livestock quality assurance program. All 4-H exhibitors of goats will be required to certify in the YQCA program each year starting for the 2020 show season. Attend either a face to face class or certify on-line via the website [yqca.org](http://yqca.org)

### Goat Health Rules

#### Identification

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

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

When using ear tags, the tag MUST indicate the premise ID and state of origin. The tag number MUST be assigned by a state or APHIS representative and be recorded in the Scrapie Record Database. Ears should be used for tattooing when possible. If there is no space in the ear, the flank or tail fold may be used.

#### Illinois Goats

1. Goats originating from a herd that has previously been classified as either an infected or source herd can be exhibited in Illinois upon the completion of an approved herd plan.
2. For any animal born after January 1, 2002, the CVI must include the flock of birth and the flock of origin, if different.
3. All goats moving within Illinois must be officially identified to their herd/flock of birth with a Scrapie tag that is available through the Illinois Department of Agriculture at (217) 547-6030.

### LIVINGSTON COUNTY GENERAL GOAT RULES

1. Please read, follow, and understand all “General Rules and Regulations” and “Exhibition Livestock Health Requirements” as listed in the front of this show book.
2. Goat projects require a certificate of veterinary inspection. The Livingston County 4-H Extension Staff has the authority to release any animal deemed unhealthy or injured in cooperation and compliance with the Livingston County Fair Association. For the safety of all, bring only healthy animals!
3. Ownership must have been effective as follows:  
Kids - June 1 of current year    Yearlings not in milk - March 1 of current year    Does - January 1 of current year
4. Ages of animals will be determined as of day of show.
5. Purebred animals must be registered in the name of the exhibitor.
6. Animals will be assigned stalls by superintendent.
7. Each exhibitor will be limited to one entry in each breeding animal premium number.
8. Animals in Mother-Daughter class must have been shown in their respective individual classes.
9. Meat goats and Pygmy goats may not show in any Dairy goat classes. This includes percentage Meat or Pygmy goats.
10. Cell phones in show ring are strictly forbidden! Disregard of this rule will be addressed by the goat superintendents and the Livingston County 4-H Extension Staff in conjunction with the Livingston County Ag Fair Board.

## MARKET WETHER GOAT RULES

1. Each exhibitor is limited to two market wethers. Each exhibitor will be limited to one entry in each class number, except in the wether classes where they may show two animals in whatever class they fall in.
2. **All market wethers will be weighed in on Tuesday night and placed in the proper weight category. Must declare sale animal at weigh in.**
3. All market wethers must be under 1 year of age.
4. Market wethers, except Pygmy wethers, must weigh a minimum of 35 pounds in order to be exhibited. Pygmy wethers must weigh a minimum of 20 pounds. Underweight market wethers must remain on the fairgrounds until released on Saturday.
5. All market wethers must be clipped and groomed for show.
6. Market wethers must have a Scrapie tag, and it will be used as the form of identification, in order for the animal to be exhibited.
7. Health requirements are the same as for all other goats.
8. Market wethers exhibited at the fair are eligible to be sold on the auction. However, only one market wether can be sold per exhibitor providing no other species are being placed on the auction.

### DAIRY GOATS

- No. 154 Junior Doe Kid born after April 1 of the current year
- No. 155 Senior Doe Kid born between January 1 and April 1 of current year
- No. 156 Dry Yearling (Doe not in milk)  
Champion Dry Dairy Goat
- No. 157 Yearling in milk
- No. 158 Milking Doe - 2 years and under 3 years
- No. 159 Milking Doe - 3 years and under 5 years
- No. 160 Aged Milking Doe - 5 years and older  
Champion Milking Dairy Goat  
Grand Champion Dairy Goat
- No. 161 Mother-Daughter
- No. 162 Produce of Dam – two Does, any age, from the same dam. Must have been shown in their previous individual classes

### ALL MARKET WETHERS

Enter all market wethers one per class. These classes will be broken by weight after weigh-in at the fair.

- No. 163 Lightweight
- No. 164 Mediumweight A
- No. 165 Mediumweight B
- No. 166 Heavyweight
- Grand Champion Market Wethers

### ALL OTHER MEAT GOATS

- No. 167 Junior Doe Kid - under 6 months of age
- No. 168 Intermediate Doe Kid - 6 to fewer than 9 months of age
- No. 169 Senior Doe Kid - 9 to 12 months of age  
**Champion Junior Meat Goat**
- No. 170 Yearling - over 12 months and under 2 years of age
- No. 171 Doe - 2 to 3 years of age
- No. 172 Doe - aged 4 years and older  
**Champion Senior Meat Goat**  
**Grand Champion Meat Goat**
- No. 173 Mother & Daughter Class
- No. 174 Produce of Dam - two Does, any age, from the same Dam. Must have been shown in their previous individual classes
- No. 175 Get of Sire - three Does, any age, from the same Sire. Must have been shown in their previous individual classes
- No. 176 Herd of Three - three Does, any age. Must have been shown in their previous individual classes

### ALL OTHER BREEDS GOATS (Pygmy, Nigerian Dwarf, Fainting, Etc.)

- No. 177 Junior Doe Kid – under 6 mo. of age
- No. 178 Senior Doe Kid – 6 to 12 mo. of age

- No. 179 Yearling Doe—over 12 mo. and under 2 years of age
- No. 180 Doe – 2 to 3 years of age
- No. 181 Doe – 3 to 5 years of age
- No. 182 Doe – 5 years and older
- Champion Sr. AOB Doe**
- Grand Champion AOB Doe Goat**
- No. 183 Mother—Daughter (Must have been shown in their previous individual classes)

## **SHOWMANSHIP**

(Entrants must be a goat exhibitor to show.)

All Showmanship participants must show in the appropriate age group according to their age the day of the show.

### **NO EXCEPTIONS**

8-10 years of age

11-14 years of age

15-19 years of age

### **(No Premium Money, Enter Day of Show)**

Showmanship animals do not have to be groomed

## **For youth enrolled in Dairy Goats, Meat Goats**

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

### **Goats Maker (SF 50400)**

#### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category.

To qualify for this category, your project MUST abide by the following guidelines:

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

In addition, exhibitors are HIGHLY encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools

to help in the manufacturing process (**NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project**). It is also HIGHLY encouraged that exhibits use Open Source Software and/or Hardware in the build.

# HORSE

Contact Superintendent—Dustin Smith  
Show—Thursday, 10 a.m.  
Grandstand

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” factor.

To maximize your Horse and Pony showing experience, remember  
to enter in the corresponding Jr. Ag Fair classes. Visit <https://www.livingstoncountyagfair.com/>.

## For youth enrolled in Horse

All 4-H Members showing horses are required to take Quality Assurance and Ethics training at least once in their 4-H career for any species of livestock to be eligible to be enrolled in a livestock project area and/or exhibit at the Livingston County 4-H Show. Training can be found at <http://web.extension.illinois.edu/qaec/> and must be completed before completing Show Entry.

### LIVINGSTON COUNTY GENERAL HORSE RULES

1. Please read, follow, and understand all “General Rules and Regulations” and “Exhibition Livestock Health Requirements” as listed in the front of this show book.
2. All 4-H members are required to wear a properly fitted ASTM or SEI standard F1163 (or above) certified equestrian helmet whenever mounted or driving a horse or pony. Original tags must be present in all approved helmets.
3. Only the Livingston County 4-H Extension Staff, in cooperation and compliance with the Livingston County Agricultural Fair Board, will have authority to release any animal deemed unhealthy. For the safety of all, bring only healthy animals! See Health Rules in front of book. **ILLINOIS EQUINE**
  - a. All horses and other equine, twelve (12) months of age and older attending an advertised equine event, shall be accompanied by a negative test for equine infectious anemia (EIA) conducted within the last twelve months. A copy of this test shall accompany the animal.
  - b. AGID (Coggins) or ELISA tests are accepted.
  - c. An advertised equine event means a show, rodeo, sale, auction, exhibition, trail ride, or horse fair that is posted or media promoted.
  - d. A CVI is not required for Illinois equine.
4. The show will be open to any 4-H exhibitor enrolled in the 4-H horse project area. **Exhibitors under 12 years of age must have an adult at ringside while animal is being shown.** The ringmaster and/or judge reserves the right to dismiss any horse or exhibitor from the ring who could pose a hazard to other exhibitors.
5. **Horses and ponies entered in all classes must be owned or leased and personally cared for by the exhibitor by June 1 of the current year.** A horse or pony can only be shown or exhibited ONCE in each CLASS NUMBER. Leasing a horse or pony, is designed for exhibitors who otherwise would not have a horse to show. Only ONE “non-related” exhibitor can share or lease a horse or pony. More than ONE can share or lease a horse or pony ONLY if they are siblings, but they have to be shown or exhibited in separate CLASS NUMBERS. If siblings share or lease a horse, it cannot be shared or leased with other non-related exhibitors. **Ownership/Lease forms are due by June 1.**
6. Exhibitors must deliver two pictures of the horse (left and right side view) in addition to a copy of the horse’s registration papers or IL 4-H Certification of Ownership or IL 4-H Horse Lease form to the Livingston County Extension by June 1. **Only horses with photos and registration papers submitted may be shown—no substitutions.**
7. Mares, geldings, and mares with foal of previous calendar year may be shown. No stallions, except foals under nine months of age.
8. Judging will be based on conformation, style, manners, and way-of-going.
9. Superintendents will be in charge of stalling animals.
10. Exhibitors must LEAD horses from the barns to the designated riding area. Riding is only permitted the day of the show in the grandstand area. No riding is permitted anywhere else on the fairgrounds. A Superintendent will supervise exercising of animals each morning from 10 to 11 a.m. in the far north corner of the grandstand area.
11. All unruly horses and ponies must be tied in their stalls at all times except when being shown or exercised under supervision.
12. No animals are to be abused in the stalls or in any of the events. If in the opinion of the judges or the superintendents,

abuse has occurred, the exhibitor will be disqualified.

13. Bats permitted in skill classes and whips optional in halter classes. Bats must be one inch wide and used only behind saddle girth.
14. Exhibitors may enter one or all of the class numbers for the class size, providing he/she has eligible animals. Only one animal may be entered per class number.
15. English Equitation and Western Horsemanship —The same horse or pony can be shown in both Western and English classes.
16. Either Western or English tack and attire may be used in horsemanship and production classes.
17. Animals in Home Grown classes must be born and raised on the exhibitor's property.
18. During years when the Illinois State Fair Jr. Horse Show conflicts with the Livingston County Junior Fair, the only horse exhibitors who will be allowed to check in their horses at the Livingston County 4-H Show prior to 4 p.m. check-in time or leave the fairgrounds early are the exhibitors who are or will be exhibiting their horses at the Illinois State Fair 4-H Horse Show on Tuesday of check-in of our fair or to arrive at the Illinois State Fair Jr. Horse Show the same day as departure from our fair with prior approval by the Livingston County 4-H Extension Staff in cooperation and compliance with the Livingston County Agricultural Fair Board.
19. All classes will be awarded points along with premium monies. The exhibitor with the most points in each age group (8-10), (11-14) and (15-19) will receive a trophy. Bonus points can be attained by attending and participating in the horse clinic (25 points) and the horse barn work night on Saturday before the fair (10 points).
20. Each exhibitor's stall must be cleaned out and checked by one of the superintendents, before premium monies will be awarded. First and second year Horsemanship is a walk and trot class only. This class is open to exhibitors in their first or second year of riding.
21. The judging of the Costume Class will take place in the Grandstand area. Exhibitors need to enter this class in faireentry.com and turn in a story about their costume at the exhibitor's meeting.
22. Cell phones in show ring are strictly forbidden. Disregard of this rule will be addressed by the horse superintendents and the Livingston County 4-H Extension Staff.
23. ***Fans are not allowed in the horse barns.***
24. Horse barn work day will start at 10 a.m. the Saturday before Fair Week.

#### **HALTER CLASSES**

- No. 511 Mare and Foal (Horse or Pony)
- No. 512 Mare or Gelding 3 years and under (ponies under 56")
- No. 513 Mare 4 years and over (ponies under 56")
- No. 514 Gelding 4 years and over (ponies under 56")
- No. 515 Mare or Gelding 3 years and under (horses 56" and over)
- No. 516 Mare 4 years-10 years (horses 56" and over)
- No. 517 Mare 11 years and over (horses 56" and over)
- No. 518 Gelding 4 years-10 years (horses 56" and over)
- No. 519 Gelding 11 years and over (horses 56" and over)
- No. 520 Home Grown Horse or Pony

#### **RIDING CLASSES**

- No. 521 Walk Trot ages 8-10
- No. 522 Walk Trot ages 11-14
- No. 523 Walk Trot ages 15-19
- No. 524 English Equitation
- No. 525 Pleasure, Western, or English ages 8-10
- No. 526 Pleasure, Western, or English ages 11-14
- No. 527 Pleasure, Western, or English ages 15-19
- No. 528 1st & 2nd Year Horsemanship (See Rule 20)
- No. 529 Western Horsemanship ages 8-10
- No. 530 Western Horsemanship ages 11-14
- No. 531 Western Horsemanship ages 15-19
- No. 532 Egg & Spoon ages 8-10
- No. 533 Egg & Spoon ages 11-14
- No. 534 Egg & Spoon ages 15-19
- No. 535 Costume Class (see rule 21)

- No. 536 Trail Ride Class ages 8-10
- No. 537 Trail Ride Class ages 11-14
- No. 538 Trail Ride Class ages 15-19

## **SKILL CLASSES**

### **(Timed classes)**

- No. 539 Keyhole Race ages 8-10
- No. 540 Keyhole Race ages 11-14
- No. 541 Keyhole Race ages 15-19
- No. 542 Pole Bending ages 8-10
- No. 543 Pole Bending ages 11-14
- No. 544 Pole Bending ages 15-19
- No. 545 Flag Race ages 8-10
- No. 546 Flag Race ages 11-14
- No. 547 Flag Race ages 15-19
- No. 548 Texas Barrel Race 8-10
- No. 549 Texas Barrel Race 11-14
- No. 550 Texas Barrel Race 15-19

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

### **Horse Maker (SF 50400)**

#### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category.

To qualify for this category, your project MUST abide by the following guidelines:

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



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

# POULTRY

Contact Superintendent—Jim Brown  
Rooster Crowing Contest—Friday, 8:30 a.m.  
Poultry Show & Egg Judging—9 a.m.  
Byrne Building

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” factor.

**To maximize your Poultry showing experience, remember to enter in the corresponding Jr. Ag Fair classes.  
Visit <https://www.livingstoncountyagfair.com/>.**

Birds born after September 1, 2019 can show at the 2020 fair as a young bird.  
If you have questions, contact the poultry superintendent, Jim Brown (815-343-4717).  
No changes or substitutions will be allowed at check-in, only scratches.

## For youth enrolled in Poultry

All 4-H Members showing poultry are required to take Quality Assurance and Ethics training at least once in their 4-H career for any species of livestock to be eligible to be enrolled in a livestock project area and/or exhibit at the Livingston County 4-H Show. Training can be found at <http://web.extension.illinois.edu/qaec/> and must be completed before completing Show Entry.

## Poultry Health Rules

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

## LIVINGSTON COUNTY GENERAL POULTRY RULES

1. Please read, follow, and understand all “General Rules and Regulations” and “Exhibition Livestock Health Requirements” as listed in the front of this show book. All birds will be judged according to the American Standard of Perfection.
2. All poultry projects should be in good condition. However, the Livingston County 4-H Show Committee, in cooperation and compliance with the Livingston County Agricultural Fair Board, still has authority to release any animal deemed unhealthy. **For the safety of all, bring only healthy animals!**
3. All birds must have been owned, fed, and personally cared for according to the following dates:

Cockerels – Birds born after September 1, 2019 can show at the 2020 fair as a young bird.

Pullets – Birds born after September 1, 2019 can show at the 2020 fair as a young bird.

Breeding Pens – Birds born after September 1, 2019 can show at the 2020 fair as a young bird. Breeding pen will consist of two pullets and one cockerel. The single cockerel and single pullet must be in the Breeding pen.

Egg Production Pens – Birds born after September 1, 2019 can show at the 2020 fair as a young bird. Egg production pen consists of the same variety of hens, hatched in the prior year. Birds will be judged on the egg production qualities including pigmentation and bleaching, handling condition, molting and uniformity.

Market Trios – Birds born after September 1, 2019 can show at the 2020 fair as a young bird. Market trios shall consist of three cockerels or three pullets.

Market trio birds cannot be used in the breeding classes. Market trios will be judged on conformation, fleshing, finish, feathering, uniformity and cleanliness. They will be weighed upon check-in and placed in the correct class.

All Other Poultry – Birds born after September 1, 2019 can show at the 2020 fair as a young bird. All other poultry will consist of a breeding pair and must consist of a male and a female.

4. Each exhibitor in the Breeding Classes may bring up to 18 birds, but may only have one entry in each class.
5. The exhibitor will furnish own feed, feed container, water, water container, bedding and care for birds during the show. Each exhibitor is responsible for keeping the pens and area around the pens clean.
6. Poultry exhibits will be pre-registered by superintendents and assigned pens.
7. Entries are to be in place by 9 p.m. during Tuesday check-in.
8. Eggs from the project flock shall be brought to the fair on the day of the show just prior to show and taken home the same day. Eggs should be removed from refrigeration the day prior to the show to minimize sweating. Eggs are judged on uniformity of color, size, cleanliness, shape and soundness of shell. Each exhibitor is limited to two lots of eggs but may have one entry in each class number.
9. All exhibitors must bring their entries to the judging table for judging when their classes are called.
10. General rules of fair apply to this section.
11. Cell phones in show ring are strictly forbidden. Disregard of this rule will be addressed by the poultry superintendents and the Livingston County 4-H Extension Staff in conjunction with the Livingston County Ag Fair Board.

## **BREEDING CLASSES**

### **AMERICAN**

Plymouth Rock (all varieties), Dominique, Wyandotte (all varieties), Java, Rhode Island (all varieties), Buckeye, Chantecler, Jersey Giant, Lamonas, New Hampshire, Holland, Delaware

No. 385 Cockerel  
No. 386 Pullet  
No. 387 Pen

No. 388 Egg Production Pen  
No. 389 One dozen eggs from Project Flock

### **ENGLISH BREEDS**

Dorking, Redcap, Cornish, Orpington, Sussex, Australorp

No. 390 Cockerel  
No. 391 Pullet  
No. 392 Pen

No. 393 Egg Production Pen  
No. 394 One dozen eggs from Project Flock

### **ASIATIC BREEDS**

Cochin, Langshan, Brahma

No. 395 Cockerel  
No. 396 Pullet  
No. 397 Pen

No. 398 Egg Production Pen  
No. 399 One dozen eggs from Project Flock

**MEDITERRANEAN HAMBURG BREEDS**

Leghorn, Minorca, Spanish, Andalusian, Ancona, Buttercup, Catalana

No. 400 Cockerel  
No. 401 Pullet  
No. 402 Pen

No. 403 Egg Production Pen  
No. 404 One dozen eggs from Project Flock

**CONTINENTAL AND ALL OTHER BREEDS & CROSSES**

Faverolle, La Fleche, Hamburg, Campine, Lakenvelder, Polish, Houdan, Crevecoeur, Welsummer, Barnvelder, Phoenix, Sumatra, Frizzle, Araucana, Ameraucana

No. 405 Cockerel  
No. 406 Pullet  
No. 407 Pen

No. 408 Egg Production Pen  
No. 409 One dozen eggs from Project Flock

**ALL OTHER BREEDS & CROSSES**

Barnyard Mix, Any Crossbred (not recognized by APA). Egg production birds (black star, red comet, cinnamon queen or unknown breeding)

No. 410 Cockerel  
No. 411 Pullet  
No. 412 Pen

No. 413 Egg Production Pen  
No. 414 One Dozen Eggs from Project Flock

**ALL CLEAN LEGGED BANTAMS**

No. 415 Cockerel  
No. 416 Pullet  
No. 417 Pen

No. 418 Egg Production Pen  
No. 419 One dozen eggs from Project Flock

**ALL FEATHERED LEGGED BANTAMS**

No. 420 Cockerel  
No. 421 Pullet  
No. 422 Pen

No. 423 Egg Production Pen  
No. 424 One dozen eggs from Project Flock

**MARKET TRIOS**

Enter All Market Birds in Sub-Class No. 425

(Entries will be assigned to No. 425 or 426 after weigh-in at the fair by the Poultry Superintendent)

No. 425 Broilers 5 lbs. and under  
No. 426 Roasters over 5 lbs.

**ALL OTHER****DUCKS**

All Breeds

No. 427 Breeding Pair

**GEESE**

All Breeds

No. 428 Breeding Pair

**TURKEYS**

All Breeds

No. 429 Breeding Pair

**PIGEONS**

No. 430 Fancy & Utility (Pair)

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

### **Poultry Maker (SF 50400)**

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

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category.

To qualify for this category, your project **MUST** abide by the following guidelines:

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

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

# RABBITS

Contact Superintendent—Bill Bolen  
Show—Thursday, 8 a.m.  
Byrne Building

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” factor.

To maximize your Rabbit showing experience, remember to enter in the corresponding Jr. Ag Fair classes.  
Visit <https://www.livingstoncountyagfair.com/>.

## For youth enrolled in Rabbits

All 4-H Members enrolled in Rabbits are required to take Quality Assurance and Ethics training at least once in their 4-H career for any species of livestock to be eligible to be enrolled in a livestock project area and/or exhibit at the Livingston County 4-H Show. Training can be found at <http://web.extension.illinois.edu/qaec/> and must be completed before completing Show Entry.

## LIVINGSTON COUNTY GENERAL RABBIT RULES

1. Please read, follow, and understand all “General Rules and Regulations” and “Exhibition Livestock Health Requirements” as listed in the front of this show book.
2. **All rabbit projects will not require a health certificate. However, the Livingston County 4-H Extension Staff, in cooperation and compliance with the Livingston County Agricultural Fair Board, will have authority to release any animal deemed unhealthy. For the safety of all, bring only healthy animals!**
3. Entries must have been owned and personally cared for by the exhibitor from January 1 of the current year if the animal is carried from year to year, and from birth if the rabbits to be shown are Intermediate or Junior bucks or does. First year exhibitors must own and care for the rabbit by June 1 of the current year.
4. Each exhibitor will be permitted to show one entry in each class number. Each exhibitor may enter up to two breeds: single fryer, meat pen and carcass entry can be different breed but must be kindled and raised by exhibitor.
5. All entries must be in place by 9 p.m. on Tuesday during check-in, except Carcass Class.
6. The “All Other Breeds” lot includes all “non-fancy” and crossbreeds for which a class has not been established.
7. The “Fancy” lot includes all rabbits identified with the fancy breeds that do not have intermediate classes.
8. Senior Bucks and Does - Over 8 months.
9. Intermediate Bucks and Does - 6-8 months.
10. Junior Bucks and Does - Under 6 months of age.
11. **Wood shavings will be provided on the first day only. All other wood shavings must be provided by exhibitor. Only wood shavings are to be used.**
12. Volunteers needed for setup (Thursday evening prior to fair) and tear down (release time).
13. **No parents are allowed at the judging table during the show.**
14. Cell phones in show ring are strictly forbidden. Disregard of this rule will be addressed by the rabbit superintendents and the Livingston County 4-H Extension Staff in conjunction with the Livingston County Ag Fair Board.

## Show Order (unless posted differently in Rabbit area)

Carcass  
Meat Pen  
Single Fryer  
Californians  
New Zealand – All Varieties  
Dutch

Mini Rex  
Mini Lops  
Other 6 Class Breeds  
Fancy 4 Class Breeds  
Costume Class

## CALIFORNIANS

No. 446 Senior Buck  
No. 447 Senior Doe  
No. 448 6-8 Buck

No. 449 6-8 Doe  
No. 450 Junior Buck  
No. 451 Junior Doe

**NEW ZEALAND - ALL VARIETIES**

No. 452 Senior Buck  
 No. 453 Senior Doe  
 No. 454 6-8 Buck

No. 455 6-8 Doe  
 No. 456 Junior Buck  
 No. 457 Junior Doe

**DUTCH - ALL VARIETIES**

No. 458 Senior Buck  
 No. 459 Senior Doe

No. 460 Junior Buck  
 No. 461 Junior Doe

**MINI REX - ALL VARIETIES**

No. 462 Senior Buck  
 No. 463 Senior Doe

No. 464 Junior Buck  
 No. 465 Junior Doe

**MEAT PEN**

- Pen of three rabbits - each rabbit must weigh a minimum of 3.5 lbs. and maximum of 5.5 lbs. and must not be over 70 days old.
- Rabbits are judged on uniformity, size and condition.
- Rabbits will be weighed by judge.
- All market animals must be Florida Whites, Rex or Commercial 6 Class Rabbits in order to compete in this class. All rabbits must be same Breed/Variety.

No. 466 Pen of three

**SINGLE FRYER**

- Minimum 3.5 lbs. - maximum 5.5 lbs. - May be one of pen of three. All market animals must be Florida Whites, Rex or Commercial 6 Class Rabbits in order to compete in this class.
- Entry must not be more than 70 days old.

No. 467 Single Fryer

**MINI LOPS SOLIDS**

No. 468 Senior Buck  
 No. 469 Senior Doe

No. 470 Junior Buck  
 No. 471 Junior Doe

**MINI LOPS BROKEN**

No. 472 Senior Buck  
 No. 473 Senior Doe

No. 474 Junior Buck  
 No. 475 Junior Doe

**ALL OTHER 6 CLASS BREEDS**

No. 476 Senior Buck  
 No. 477 Senior Doe  
 No. 478 6-8 Buck

No. 479 6-8 Doe  
 No. 480 Junior Buck  
 No. 481 Junior Doe

**FANCY 4 CLASS BREEDS**

No. 482 Senior Buck  
 No. 483 Senior Doe

No. 484 Junior Buck  
 No. 485 Junior Doe

**CARCASS CLASS**

1. Must be entered on official entry. Cannot be one of the meat pen. All market animals must be Florida Whites or Commercial 6 Class Rabbits in order to compete in this class. They can be no older than 70 days. Each rabbit must weigh a minimum of 3 lbs. and a maximum of 5 lbs. live weight.
2. Carcass class rabbits are to be checked in Friday morning before judging.
3. These rabbits will be judged live at noon on Wednesday. The carcass will be judged Thursday morning at 8 a.m.
4. Only one entry per exhibitor.

No. 486 Carcass Rabbit (Weight: Minimum – 3.5 lbs., Maximum – 5.5 lbs.)

## **COSTUME**

**THIS CLASS IS FOR 4-H YOUTH ONLY.** The rabbit and the exhibitor should be in costume. Make sure all costumes are safe for the rabbit. The rabbit being presented for judging does not have to be owned by the exhibitor. Registration will be taken at check-in on Tuesday during check-in from 5 to 9 p.m.

4-H Age (8-18 yrs. old)

No Premium Money

## **SHOWMANSHIP**

(Entrants must be a rabbit exhibitor to show.)

All Showmanship participants must show in the appropriate age group according to their age the day of the show.

### **NO EXCEPTIONS**

8-10 years of age

11-14 years of age

15-19 years of age

**(No Premium Money, Enter Day of Show)**

**Best 4 Class, Best 6 Class, and Best of Show will be shown last.**

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

## **Rabbits Maker (SF 50400)**

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

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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



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

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

# SHEEP

Contact Superintendent—Jim Davis  
Show—Wednesday, 8 a.m.  
Byrne Building

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” factor.

To maximize your Sheep showing experience, remember to enter in the corresponding Jr. Ag Fair classes.  
Visit <https://www.livingstoncountyagfair.com/>.

## For members enrolled in sheep:

- The YQCA is a new livestock quality assurance program. All 4-H exhibitors of sheep will be required to certify in the YQCA program each year starting for the 2020 show season. Attend either a face to face class or certify on-line via the website [yqca.org](http://yqca.org)

## Sheep Health Rules

### Identification

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

**Ear tattoos may be used when a registration certificate, listing the tattoo number, accompanies the animal. When using ear tags, the tag must indicate the premises ID and state of origin. The tag number must be assigned by a state or APHIS representative and recorded in the Scrapie Record Database.**

**(Sheep Must Have Scrapie Tags)**

### Market Lambs

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

### Illinois Sheep

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

## LIVINGSTON COUNTY GENERAL SHEEP RULES

1. Please read, follow, and understand all “General Rules and Regulations” and “Exhibition Livestock Health Requirements” found at the front of the show book.
2. **All sheep projects require a CVI (Certificate of Veterinary Inspection.) However, 4-H Extension Staff members will have authority to release any animal deemed unhealthy in cooperation and compliance with Livingston County Agricultural Fair Association. For the safety of all, bring only healthy animals!**
3. All purebred animals shown will be registered in the name of the person making the entry by June 1 of the current year. Registration papers will be checked by superintendents before the animal is exhibited.
4. **Entries in the Purebred Sheep Division must have been owned and personally cared for by the exhibitor at least 30 days prior to fair.**
5. Each exhibitor will be limited to one entry in each premium number, except in the wether and market ewe lamb classes where they may show two animals in whatever class they fall.
6. Exhibitor can only exhibit five market animals.
7. In breeding classes, a pair of lambs shall consist of ewes, rams or both. Any combination of Jr. and Sr. lambs is permitted. In the Commercial Class only ewe lambs may be shown.
8. Only wethers may be shown in the Market Wether Class.

9. Wethers and market ewe lambs must be lambled on or after January 1 of current year and must be owned and cared for by the exhibitor on or before May 15 of current year.
10. All Market lambs must be shorn within 30 days of exhibit.
11. No wethers or market ewe lambs less than 75 pounds will be permitted to show.
12. All Market lambs must be weighed between 4 and 8:30 p.m. Tuesday during check-in.
13. Market ewe lambs cannot be shown in the Commercial Ewe Lamb class.
14. Cell phones in show ring are strictly forbidden. Disregard of this rule will be addressed by the sheep superintendents, and the Livingston County 4-H Extension Staff in conjunction with the Livingston County Ag Fair Board.

**Show Order: will be announced day of show.**

Sr. Ewe lamb - Born September 1 of previous year to February 15 of current year

Jr. Ewe lamb - Born after February 15 of current year

Sr. Ram lamb - Born September 1 of previous year to February 15 of current year

Jr. Ram lamb - Born after February 15 of current year

**HAIR BREEDS**

No. 205	Yearling Ewe	No. 208	Sr. Ram Lamb
No. 206	Sr. Ewe Lamb	No. 209	Jr. Ram Lamb
No. 207	Jr. Ewe Lamb	No. 210	Pair of Lambs

**SUFFOLK**

No. 211	Yearling Ewe	No. 214	Sr. Ram Lamb
No. 212	Sr. Ewe Lamb	No. 215	Jr. Ram Lamb
No. 213	Jr. Ewe Lamb	No. 216	Pair of Lambs

**HAMPSHIRE**

No. 217	Yearling Ewe	No. 220	Sr. Ram Lamb
No. 218	Sr. Ewe Lamb	No. 221	Jr. Ram Lamb
No. 219	Jr. Ewe Lamb	No. 222	Pair of Lambs

**SOUTHDOWN**

No. 223	Yearling Ewe	No. 226	Sr. Ram Lamb
No. 224	Sr. Ewe Lamb	No. 227	Jr. Ram Lamb
No. 225	Jr. Ewe Lamb	No. 228	Pair of Lambs

**DORSET**

No. 229	Yearling Ewe	No. 232	Sr. Ram Lamb
No. 230	Sr. Ewe Lamb	No. 233	Jr. Ram Lamb
No. 231	Jr. Ewe Lamb	No. 234	Pair of Lambs

**ALL OTHER PUREBREDS**

No. 235	Yearling Ewe	No. 238	Sr. Ram Lamb
No. 236	Sr. Ewe Lamb	No. 239	Jr. Ram Lamb
No. 237	Jr. Ewe Lamb	No. 240	Pair of Lambs

**COMMERCIAL**

No. 241	Yearling Ewe	No. 243	Jr. Ewe Lamb
No. 242	Sr. Ewe Lamb	No. 244	Pair of Lambs

**MARKET EWE LAMBS - ALL BREEDS**

Enter in Lightweight Class. These classes will be broken by weight after weigh-in by sheep superintendents.

No market ewe lambs less than 75 lbs. (firm) will be permitted to show.

No. 245	Lightweight Market Ewe Lambs
No. 246	Mediumweight Market Ewe Lambs
No. 247	Heavyweight Market Ewe Lambs
No. 248	Pair of Market Ewe Lambs

## **MARKET WETHERS - ALL BREEDS**

Enter in Lightweight Class for all market wether lambs.

These classes will be broken by weight after weigh-in at the fair by sheep superintendents.

No market wethers less than 75 lbs. (firm) will be permitted to show.

- No. 249 Lightweight Wethers A
- No. 250 Lightweight Wethers B
- No. 251 Medium-weight Wethers A
- No. 252 Medium-weight Wethers B
- No. 253 Heavyweight Wethers A
- No. 254 Heavyweight Wethers B
- No. 255 Pair of Market Wethers

**LEADLINE** - This class will be shown at 8 a.m. Wednesday of the fair in the Sheep Barn prior to the Sheep Show.

No. 256 Jr. Lead Line (8-14 years of age)

No. 257 Sr. Lead Line (15-19 years of age)

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

## **Sheep Maker (SF 50400)**

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

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

- All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

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

# SWINE

Contact Superintendent—Phil Kiefer  
Show Market Classes—Thursday, 8 a.m.  
Show Barn

All 4-H exhibits will receive an A, B, or C placing.  
All premiums will be paid based on an “X” factor.

To maximize your Swine showing experience, remember to enter in the corresponding Jr. Ag Fair classes.  
Visit <https://www.livingstoncountyagfair.com/>.

## For youth enrolled in Swine

- The YQCA is a new livestock quality assurance program. All 4-H exhibitors of swine will be required to certify in the YQCA program each year starting for the 2020 show season. Attend either a face to face class or certify online via the website [yqca.org](http://yqca.org)

## Swine Health Rules

### Identification

1. Swine shall be identified by an official ear tag, tattoo or recognized breed ear notch.
2. Ear notch identification is acceptable for barrows, crossbred gilts, and breeding swine. (Note: Ear notch identification of crossbred swine does not satisfy USDA identification requirements for brucellosis and pseudorabies testing.)

### Brucellosis

1. Brucellosis testing is not required for Illinois swine.

### Pseudorabies

1. Pseudorabies testing is not required for Illinois swine.

## LIVINGSTON COUNTY GENERAL SWINE RULES

1. Please read, follow, and understand all “General Rules and Regulations” and “Exhibition Livestock Health Requirements” as listed in the front of this show book.
2. **The SWINE SHOW IS A NON-TERMINAL show.**
3. All animals must be accompanied by health papers. Each exhibitor is responsible for securing the health papers for their animals.
4. All other market swine must be farrowed on or after January 1 of current year. Animals must have been owned, fed and personally cared for by the exhibitor since June 1 of current year.
5. Each exhibitor can bring no more than six head of swine. These six head all must be weighed and tagged at weigh-in.
6. Gilts can be shown as market gilts or breeding gilts, not both.
7. No boars may attend the show.
8. Exhibitor may show only one animal per class number. (Enter market animals in lightweight class).
9. Market gilts and barrows will be shown by weight. All market hogs must be weighed between 5 and 9 p.m. during check-in on Tuesday to be eligible to show. This weight will also be used as the sale weight. NO re-weighing.
10. All market hog weights, as determined by superintendents, will be final.
11. It is the responsibility of the 4-H exhibitor to provide transportation to slaughter facilities for hogs NOT sold at the Livingston County Ag Fair auction.
12. Pens will be assigned by superintendent to each exhibitor.

13. The Superintendents will determine the requirements for each class number. Each animal will be marked prior to show time for identification.
14. All swine exhibitors must provide bedding for each pen that is used for their animals in the swine barn. All bedding must be wood shavings, no straw.
15. No Livestock trailers are allowed to remain on the fairgrounds during the fair.
16. Exhibitors must clean all of their pens. Exhibitor will not receive premiums until pens are clean!
17. All purebred animals must be accompanied by registration papers from the respective breed association and meet the requirements of that specific breed association.
18. Any questions concerning rules in the swine department must be addressed by the Swine Superintendents.
19. Cell phones in show ring are strictly forbidden. Disregard of this rule will be severely addressed by the swine superintendents and the Livingston County 4-H Extension Staff in conjunction with the Livingston County Ag Fair Board.

**SINGLE BARROWS (Show by Weight)**

Enter all cross-bred hogs under lightweight class (No. 280).

The appropriate weight class will be assigned after barrows are weighed by superintendents.

Enter all Purebred Barrows under the **Lightweight Class** number for the appropriate breed.

**Crossbred Barrow Premium:**

- No. 280 Lightweight A
- No. 281 Lightweight B
- No. 282 Lightweight C
- No. 283 Lightweight D
- No. 284 Mediumweight A
- No. 285 Mediumweight B
- No. 286 Mediumweight C
- No. 287 Mediumweight D
- No. 288 Heavyweight A
- No. 289 Heavyweight B
- No. 290 Heavyweight C
- No. 291 Heavyweight D

**Purebred Barrow Premium:**

- No. 292 Lightweight Hamp. Barrow
- No. 293 Heavyweight Hamp. Barrow
- No. 294 Lightweight York Barrow
- No. 295 Heavyweight York Barrow
- No. 296 Lightweight Duroc Barrow
- No. 297 Heavyweight Duroc Barrow
- No. 298 Lightweight Berkshire Barrow
- No. 299 Heavyweight Berkshire Barrow
- No. 300 Lightweight Spot Barrow
- No. 301 Heavyweight Spot Barrow
- No. 302 Lightweight AOB Barrow
- No. 303 Heavyweight AOB Barrow

**SINGLE MARKET GILT**

ENTER ALL HOGS UNDER LIGHTWEIGHT CLASS.

The appropriate weight class will be assigned after gilts are weighed by superintendents.

Enter all Gilts under the "Lightweight" Class number for the appropriate breed.

- No. 310 Lightweight A
- No. 311 Lightweight B
- No. 312 Mediumweight A
- No. 313 Mediumweight B
- No. 314 Heavyweight A
- No. 315 Heavyweight B

**SINGLE BREEDING GILT**

ENTER ALL BREEDING GILTS UNDER LIGHTWEIGHT CLASS.

The appropriate weight class will be assigned after gilts are weighed by superintendents.

Enter all purebred Gilts under the "Lightweight" Class number for the appropriate breed.

- No. 320 Lightweight Crossbred Breeding Gilt
- No. 321 Heavyweight Crossbred Breeding Gilt
- No. 322 Lightweight Hampshire Breeding Gilt
- No. 323 Heavyweight Hampshire Breeding Gilt
- No. 324 Lightweight York Breeding Gilt
- No. 325 Heavyweight York Breeding Gilt
- No. 326 Lightweight Duroc Breeding Gilt

- No. 327 Heavyweight Duroc Breeding Gilt
- No. 328 Lightweight Berkshire Breeding Gilt
- No. 329 Heavyweight Berkshire Breeding Gilt
- No. 330 Lightweight Spot Breeding Gilt
- No. 331 Heavyweight Spot Breeding Gilt
- No. 332 Lightweight AOB Breeding Gilt
- No. 333 Heavyweight AOB Breeding Gilt

### SHOWMANSHIP

(Entrants must be a swine exhibitor to show.)

All Showmanship participants must show in the appropriate age group according to their age the day of the show. **NO EXCEPTIONS.**

- 8-10 years of age
- 11-14 years of age
- 15-19 years of age

**(No Premium Money, Enter Day of Show)**

Showmanship animals do not have to be groomed

### NON-PREMIERE CARCASS CLASS

1. All classes will be broken out by Midwest Scanning Service, Inc.
2. There must be a minimum of 30 head to have this class. If there is not enough interest by the entry deadline, the class will be canceled.
3. The exhibitor will determine which animals will be scanned on Tuesday night at weigh-in. All animals entered in live classes can be scanned. The animal(s) to be scanned can be either a barrow or gilt.
4. Exhibitor may enter up to six (6) animals in this class.

**ENTER ALL NON-PREMIERE CARCASS PIGS UNDER LIGHTWEIGHT CLASS.**

***The appropriate weight class will be assigned after pigs are weighed by superintendents.***

- |                                   |                                 |
|-----------------------------------|---------------------------------|
| No. 364 Light Lightweight Barrow  | No. 370 Light Lightweight Gilt  |
| No. 365 Heavy Lightweight Barrow  | No. 371 Heavy Lightweight Gilt  |
| No. 366 Light Mediumweight Barrow | No. 372 Light Mediumweight Gilt |
| No. 367 Heavy Mediumweight Barrow | No. 373 Heavy Mediumweight Gilt |
| No. 368 Light Heavyweight Barrow  | No. 374 Light Heavyweight Gilt  |
| No. 369 Heavy Heavyweight Barrow  | No. 375 Heavy Heavyweight Gilt  |

### Swine Animal Science (SF 50135)

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston*



*Building.*

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

**Swine Maker (SF 50400)**

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

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

**GENERAL PROJECTS**

# AEROSPACE

Two State Fair entries total from 50130, 50131; and 1 entry from 50133.

Check-in – Tuesday, 5-8 p.m.

Judging – Friday, 10 a.m.

Humiston Building

Rocket Launch – Friday, Noon

Grandstand Area

## **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.

## **Aerospace Maker** (SF 50400)

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

Software and/or Hardware in the build.

**Rocket Launch Information**

Participation in the rocket launch is not required and is not part of the conference judging. The option to launch is open after the judging on Friday.

# ANIMAL SCIENCE (ANIMAL-LESS) PROJECTS

Two state fair entries total SF 50135

Project Check-In: Tuesday, 5 to 8 p.m.

Judging: Wednesday, 9:30 a.m.

Humiston Building

Exhibitors in Animal Science are not required to physically have the animal for the project.

Exhibitors of live animals are also eligible to enter the Animal-less Project classes.

Be prepared to explain the importance of and concept behind the project exhibited.

**Animal Science Projects:** Prepare a display focusing on any activity related to the species project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but is not 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 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. 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.

**Beef Animal Science** (SF 50135)

**Cat Animal Science** (SF 50135)

**Dairy Animal Science** (SF 50135)

**Goat Animal Science** (SF 50135)

**Horse Animal Science** (SF 50135)

**Poultry Animal Science** (SF50135)

**Rabbit Animal Science** (SF 51035)

**Sheep Animal Science** (SF 50135)

**Swine Animal Science** (SF 50135)

**Dog Animal Science** (SF 50135)

**Small Pets/Guinea Pig Animal Science** (SF 50135)

# BICYCLE

Not eligible for state fair

Judging Bicycle 1 & 2 – Bicycle Rodeo  
Judging – Thursday, 9 a.m.  
Pavilion

Judging Ready4Life and Maker  
Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## Bicycle Rodeo Information

1. Complete a riding test through a safety course, observing all rules and regulations.
2. A bicycle helmet must be worn during the riding test.
3. Exhibitors in Bicycle 1 and Bicycle 2 will complete the requirements for their project level as listed below. A display project is not required.

## 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.

## Bicycle Maker (SF 50400)

### Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.

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

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

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

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

# CAT

Live Show Check-in—Saturday, 8:15 a.m.  
Live Show Judging—Saturday, 8:30 a.m.  
Sheep Barn

Cat Animal Science, Ready4Life, and Maker  
Check-in—Tuesday, 5-8 p.m.  
Judging—Wednesday, 9:30 a.m.

## Includes members enrolled in Cats

All 4-H Members are **required** to complete Quality Assurance and Ethics training at least once in their 4-H career for any species or livestock or animal project to be eligible to be enrolled in a livestock project area and/or exhibit at the Livingston County 4-H Show. Training is online at <https://web.extension.illinois.edu/qaec/> and must be completed by June 15.

## RULES

1. Please read, understand, and follow all General Rules and Regulations and 4-H Member Code of Conduct as listed in the front of this show book.
2. All cats must have rabies and distemper shots, kittens under six only need distemper shot, and all felines need an official certificate showing such inoculations signed by a veterinarian and dated within the last 12 months.
3. Unhealthy cats will not be allowed to show.
4. Members should bring cats and take them home on the day of the show.
5. Exhibitors may enter either registered or domestic cats, but cannot enter both divisions. Exhibitor may enter the kitten division in addition to the registered or domestic cat division.
6. All cats must be under the complete control of the exhibitor at all times.
7. Cats will be judged on the condition of the coat, eyes, ears, body, teeth, color of gums, leg structure, temperament, presence of fleas/ticks, and sex of animal.

## CATS

### Registered Cats:

Short Hair - Male  
Short Hair - Female  
Long Hair - Male  
Long Hair - Female

### Domestic Cats:

Short Hair - Male  
Short Hair - Female  
Long Hair - Male  
Long Hair - Female

## KITTENS

### Kittens (4 months and under):

Short Hair - Male  
Short Hair - Female  
Long Hair - Male  
Long Hair - Female

### Kittens (5-10 months):

Short Hair - Male  
Short Hair - Female  
Long Hair - Male  
Long Hair - Female

## Cat Animal Science (SF 50135)

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



digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

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

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

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

**Cat Maker (SF 50400)**

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

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

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

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

# CHILD DEVELOPMENT

One State Fair entry from 50141

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

## **Child Development (SF 50141)**

Exhibit one of the following class options

- **Child Development 1: Infants and Toddlers**

Prepare a display focusing on any activity related to the child development project. Demonstrate the skills and knowledge you have gained through the child development project you studied. Include a list of resources you used to learn more about child development, such as mentors, books, articles, or websites. 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 Care 1: Infants and Toddlers**

Prepare a display focusing on a topic related to child care of this age group such as selecting age appropriate activities, explaining child behavior, and/or recognizing safety concerns. Demonstrate the skills and knowledge you have gained through the child development project you studied. Include a list of resources you used to learn more about child care, such as mentors, books, articles, or websites. 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.

## **Child Development Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

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

# CIVIC ENGAGEMENT

Two State Fair entries total from classes 50145, 50146, 50147;  
and 1 entry from 50149.

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

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

## **Civic Engagement 1 (SF 50145)**

Exhibit a display illustrating one of the following options:

- personal information about yourself – who you are, things you like to do, things you are good at, your favorites; **OR**
- your feelings and how you handle these feelings; **OR**
- your family, their responsibilities, how you work together; **OR**
- 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:

- your neighborhood; **OR**
- how you were a good neighbor or led a service project for your community; **OR**
- 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:

- Government; **OR**
- Business and Industry; **OR**
- Transportation, Communication & Utilities; **OR**
- Culture & Heritage; **OR**
- Natural Resources & Environment; **OR**
- Education; **OR**
- Organizations within your community; **OR**
- Tourism; **OR**
- 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.

## **Civic Engagement Maker (SF 50400)**

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

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

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

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

**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

Three STEAM entries total from 50151 a-c, 50152 a-c, 50153 a-c;  
Two shopping entries from 50154, 50155, 50156;  
and One Ready4Life entry from 50157.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 2 p.m.

Fair Office

1. **Members may enter one sewn clothing project, AND one sewn non-clothing project, AND one non-sewn project within their level.**
2. 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.
3. 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)

Members may exhibit one in each of the following sub-classes of Non-Sewn, Non-Clothing, and Clothing 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)

Members may exhibit one in each of the following sub-classes of Non-Sewn, Non-Clothing, and Clothing 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)

Members may exhibit one in each of the following sub-classes of Non-Sewn, Non-Clothing, and Clothing 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 STEAM Clothing 2. Additional pages can be added each year but must be dated with the year created. See project manual, pages 11-13 for portfolio formatting.
- 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.

**Clothing Maker** (SF 50400)

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

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

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

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

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

# FASHION REVUE

(Not Eligible for State Fair)

Check-in – Thursday, 2:30 p.m.

Judging – Thursday, 3 p.m.

Fair Office

All Clothing and Textiles and Shopping in Style projects are encouraged to participate in the Fashion Revue.

1. Projects may be picked up from display in the Humiston Building starting at 2 p.m. Models should report to Fashion Revue check-in no later than 2:30 p.m. in the Fair Office. Projects are to be returned to the Humiston Building after the event and must remain on display through Saturday at 3 p.m.
2. If projects are not returned to display, the exhibitor will not be eligible for premium money and awards for either clothing project or the Fashion Revue.
3. Model descriptions should be given to the Extension office staff before the show.

## **Fashion Revue** (Not Eligible for State Fair)

Exhibitors in this class may be enrolled in any of the following project areas: STEAM Clothing, Shopping in Style. Modeled items must be garments constructed or purchased by the exhibitor and must be worn by the exhibitor. Non-clothing exhibits (such as pillow, bag/purse, recycled clothing or accessory) may also be presented. Exhibitors will be responsible for writing their narration.

Participants must be dressed and stage-ready by 2:30 p.m.

# COLLEGE & CAREER READINESS

One State Fair entry 50365;  
and 1 entry from 50366.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **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.

## **College & Career Maker (SF 50400)**

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

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

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

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

# COMMUNICATIONS

Two State Fair entries total from 50367, 50368, 50369;  
and 1 entry from 50370.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

## **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.

**Communications Maker (SF 50400)**

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

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

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

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

## COMMUNICATIONS: PUBLIC PRESENTATIONS

Judging—June 20, 2020  
McLean County Extension Office, Bloomington

Enrollment in the Public Presentations project is required to participate in this section. Enrollment for this exhibit is open in [fairentury.com](http://fairentury.com) in April. Contact the Livingston County Extension Office with questions.

No live animals are allowed in speeches. Counties may advance a total of three entries from any category to the state contest.

### **Formal Speech | Self-written | Notes Allowed | No props | Individual | 4-8 minutes**

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

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

### **Illustrated Speech | Self-written | Notes allowed | Illustrations Required | Individual | 4-8 minutes**

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

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

### **Original Works | Self-written | Notes allowed | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-8 minutes**

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

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

### **Oral Interpretation | Published work | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-8 minutes**

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

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

# COMPUTER SCIENCE

Three State Fair entries total from 50159, 50160, 50161, 50162;  
and 1 entry from 50164.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Friday, 10 a.m.  
Humiston Building

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.

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

##### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# CONSUMER EDUCATION

Two State Fair Entries total from 50168, 50169;  
and 1 entry from 50167.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **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.

**Consumer Ed Maker (SF 50400)**

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

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

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

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

# CROPS

Three State Fair entries total from 50170, 50171, 50172, 50173;  
and 1 entry from 50175.

Judging Time Sign-up—Tuesday, 5-8 p.m.

Judging: Wednesday, 9:30 a.m. (bring fresh plants Wednesday morning)  
Humiston Building

## **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.

## **Crops Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

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

## 4-H Grain Show

All grain entries judged in the 2020 4-H Show will be from the 2019 harvest.

Exhibit options include:

Corn—Grain sample (One and 1/2 gallon)

Corn –Ear sample (5 ears)

Corn—Yield

Soybean—Grain sample (One and 1/2 gallon)

Soybean—Yield

Small Grain (wheat, oats, rye, barley)—Grain sample (One and 1/2 gallon)

Best Corn Project Records

Best Soybean Project Records

# DOG

Dog Obedience and Showmanship Project Check-in – Wednesday, 2:45 p.m.  
Judging – Wednesday, 3 p.m.  
Show Barn

Dog Animal Science & Ready4Life Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.

## For youth enrolled in Dogs

### DOG: GENERAL

#### Dog Care and Grooming (Not eligible for state fair)

##### Junior (Age 8-13)

##### Senior (14-19)

Judging will be on condition of coat, teeth, weight, eyes, feet and ears. Judge may ask questions related to dog care. Any 4-H member enrolled in Dog Care/Obedience/Dog Rally is eligible for this class. (No obedience training necessary but dog must be on leash with approved collar.) Judge must be able to handle the dog.

#### Costume Class (Not eligible for state fair)

THIS CLASS IS FOR 4-H YOUTH ONLY.

Any 4-H member exhibiting in Dog Care, Dog Obedience, or Dog Rally with a dog of any age is eligible for this class. The same dog must be exhibited in one of the following: Dog Care, Dog Obedience, or Dog Rally. Both 4-H member and dog are to be dressed in a costume of the same theme. Judging will be on originality and implementation of theme. Dog must be able to walk. Registration is at check-in on the day of the show. (No Premium Money, Enter Day of Show)

### DOG: DOG OBEDIENCE

1. The following dog obedience classes require obedience training and will be conducted in accordance with **American Kennel Club (AKC) Obedience trial rules.**
2. All 4-H members who receive qualifying scores for obedience classes and are at least 8 years old by September 1, 2019, are eligible for the State Dog Show.
3. A State Fair qualifying score is a score of 50% or more of the available points for each exercise on the score sheet and a final score of at least 170 points out of 200.
4. Exhibitors who qualify for state fair need to pick up their score sheet from the judge and check it to be sure it is signed by the judge.
5. Exhibitors who have a State Fair qualifying score need to provide their information on the entry form attach the \$5.00 entry fee.

#### CLASS:

##### Beginner Novice I (SF50401) - (For inexperienced handlers and inexperienced dogs.)

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

##### Beginner Novice II (SF50402) - (For experienced handlers and inexperienced dogs or experienced dogs and inexperienced handlers.)

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

- Figure Eight (on leash)
- Sit for Exam (on leash)
- Sit Stay (walk around ring)
- Recall (off leash front/no finish)

**Pre-Novice (SF50403)** - Both on and off leash exercises. (Member and dog's second year in training.)

- Heel on leash and Figure 8 (on leash)
- Stand for Examination (off leash)
- Recall (off leash with finish)
- Heel Free (off leash)
- Stay Sit or Down (walk around ring)

**Novice (SF50404)** - Both on and off leash exercises. (Member and dog's third year in training.)

- Heel on leash and Figure 8
- Stand for Examination (off leash)
- Heel free (off leash)
- Recall (off leash)
- Long sit – 1 minute (off leash)
- Long down – 3 minutes (off leash)
  - Exercises 5 and 6 will be judged as group

**Graduate Novice (SF50405)** - Both on and off leash exercises. (Member and dog's fourth year in training.)

- Heel on leash and Figure 8 (off leash)
- Drop on Recall
- Dumbbell Recall
- Recall over High Jump
- Recall over Broad Jump
- Long Down – 3 minutes (Handler out of sight)
  - Exercise 6 will be judged as a group

**Pre Open (SF50406)**

- Heel Free and Figure 8
- Drop on Recall
- Retrieve on Flat
- Retrieve over High Jump
- Broad Jump

**Open Class (SF50407)**

- Heel free and Figure 8
- Drop on Recall
- Retrieve on Flat
- Retrieve over High Jump
- Broad Jump
- Long Sit – 3 minutes (Handler out of sight)
- Long Down – 5 minutes (Handler out of sight)
  - Exercises 6 and 7 will be judged as a group

**Graduate Open Class (SF50408)**

- Signal Exercise
- Scent Discrimination
- Directed Retrieve

- Moving Stand and Examination
- Go Out
- Directed Jumping

### **Dog Showmanship**

- Junior Showmanship (for handlers age 8 to 13 (as of 9/1/19))
- Senior Showmanship (for handlers age 14 and older (as of 9/1/19))

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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

*All Animal Science projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

### **Dog Maker (SF 50400)**

#### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

*All Maker projects are checked-in on Tuesday, 5-8 p.m. Judging is on Wednesday, 9:30 a.m. in the Humiston Building.*

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

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

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





# ELECTRICITY

Three State Fair Entries total from 50177, 50178, 50179;  
and 1 entry from 50181.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

It is strongly suggested that members use recommended construction details including proper color coding provided by the Energy Education Council (EEC) see the Illinois 4-H website at <https://4h.extension.illinois.edu/members/projects/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.

## **Electricity Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# ENTOMOLOGY GENERAL

Two State Fair Entries total from 50183, 50184, 50185, 50186;  
and 1 entry from Class 50187.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

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 Maker (SF 50400)**

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

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

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

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

# ENTOMOLOGY BEEKEEPING

Two State Fair Entries total from classes 50188, 50189, 50190;  
and 1 entry from 50191.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

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.

### **Beekeeping Maker (SF 50400)**

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

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

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

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

# EXPLORATORY

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **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 Welcome to 4-H project book.

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

## **COLLECTIBLES** (not eligible for state fair)

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



# FAMILY HERITAGE

One State Fair entry from 50197; and 1 State Fair entry from 50199.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

## **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 member's 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 Extension office 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.

## **Family Heritage Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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



# FOODS & NUTRITION

Seven State Fair Entries total from any of these food classes: 50200, 50201, 50202, 50203, 50204, 50206, 50208, 50211; and 1 entry from 50210.

Judging Time Sign-up—Tuesday, 5-8 p.m. (DO NOT bring food products until judging)  
Judging: Wednesday, 9:30 a.m. (bring fresh items on Wednesday morning)  
Humiston Building

*Note—You may exhibit in as many sub-classes as you choose. For example: if you are enrolled in 101, you can sign up to exhibit marshmallow bars, AND coffee cake, AND cookies.*

## **4-H Cooking 101 (SF 50200)**

No icing should be on any products. *Using the recipes included in the project manual*, prepare an exhibit of your Cooking 101 item. 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.

**You may exhibit in as many of the following subcategories as you choose:**

- A. 3 cereal marshmallow bars
- B. ¼ of 8" square or round coffeecake
- C. 3 cookies

## **4-H Cooking 201 (SF 50201)**

**Using the recipes included in the project manual, you may exhibit in as many of the following subcategories as you choose.** 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.

- A. 3 cheese muffins
- B. 3 scones
- C. ½ loaf (9" x 5") of basic nut bread

## **4-H Cooking 301 (SF 50202)**

**Using the recipes included in the project manual, you may exhibit as many of the following subcategories as you choose.** 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.

- A. 3 dinner rolls
- B. Loaf of yeast bread
- C. 1 tea ring
- D. 3 sweet rolls
- E. 1 layer of a Rich White cake or Rich Chocolate Cake, top side up (without frosting)

## **4-H Cooking 401 (SF 50203)**

**Using the recipes included in the project manual, you may exhibit in as many of the subcategories as you choose.**

Display exhibit on a disposable plate and place in a zip-sealing plastic bag. If you make changes to the recipe, bring a copy of the recipe with your changes. *In addition to your food exhibit*, pick one of the recipes from Cooking 401 that is not a choice for exhibit. Make the recipe and take a picture of the results. Bring a document with a printed picture of the food you made from the recipe and the answers to the following two questions: 1.) If you made this recipe again, what would you do differently? 2.) What did you learn that can help you in other ways besides preparing food?

- A.  $\frac{1}{4}$  of a 15" x 10" loaf of focaccia bread (do not include dipping oil)
- B. 1 baked pie shell – traditional, oil, or whole wheat (no graham cracker)
- C.  $\frac{1}{4}$  Golden Sponge Cake, top side up, without frosting
- D.  $\frac{1}{2}$  loaf French Bread

#### **Food Science 1 (SF 50204)**

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

#### **Food Science 2 (SF 50204)**

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

#### **Food Science 3 (SF 50204)**

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

#### **Food Science 4 (SF 50204)**

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

#### **Sports Nutrition (SF 50206)**

Prepare a display, digital presentation, or poster on one of the activity chapters in the manual that you completed. The activity chapters are listed by page number in the table of contents. Your exhibit should include, at minimum, information on one physical fitness component and one food/recipe component from the activity chapter. The exhibit should include the project manual with the pages of the activity completed. You may also include live demonstration of physical activities. Do not bring food made using the recipes, but consider adding pictures of the completed recipes to your exhibit. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display during the exhibit period.

### Examples for Activity 1

Example A: Make a video of yourself practicing flexibility, strength and endurance physical fitness activities and making pasta salad with different vegetable, pasta, and dressing ideas. Bring a 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, 2020.
- Green beans, pressure canner. July 13, 2020.
- Beef jerky, food dehydrator and oven. July 13, 2020.

**All food exhibits must be accompanied with the recipe(s)** – typed or written, with the source of the recipe(s) listed.

**Required Recipes and Sources for Food Preservation Exhibits** – all food preservation recipes must be from an approved source. Those sources are:

- *PUT IT UP! Food Preservation for Youth* manuals
- U.S. Department of Agriculture (USDA)
- National Center for Home Food Preservation
- Ball/Kerr Canning (recipes after 1985)
- Mrs. Wages

DO NOT BRING RECIPES FROM: Magazine or newspaper clippings, Pinterest (unless it is from a source listed above), 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.

#### **Foods Maker (SF 50400)**

##### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# FOOD DEMONSTRATION

(Not Eligible for State Fair)

Check-in—To Be Determined

Judging—To Be Determined

Food Demonstration judging will be on Saturday, June 20 at the McLean County Extension Office in Bloomington. Enrollment in the Food and Nutrition project is required to exhibit in this section. Enrollment for this exhibit opens in [faireentry.com](http://faireentry.com) in April. Contact the Extension office with any questions.

This is a fun family event. Family and friends are encouraged to come watch the demonstrations. Food samples may be offered to the judge and audience at the demonstrator's discretion. Food demonstrations should be approximately 8-10 minutes in length; however, there will not be a time penalty. The time limit will be taken into consideration at the judge's discretion. Demonstrations may be done by an individual or team of two members. Refer to the Illinois 4-H Food Demonstration Guide found at <https://my.extension.illinois.edu/documents/257081402080208/me0385.pdf>. Exhibitors are responsible for furnishing all equipment and supplies. Participants are asked to stay and help clean up the kitchen and tables.

# FORESTRY

One State Fair Entry total from 50212, 50213, 50214;  
and 1 entry from 50216.

Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **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.

## **Forestry Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

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



# GEOLOGY

Three State Fair Entries total from 50218, 50219, 50220, 50221, 50222;  
and 1 entry from 50224.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

**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.

## **Geology Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# HEALTH

Three State Fair Entries total from 50226, 50227, 50228, 50229;  
and 1 entry from 50231.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

**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 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.

## **Health Maker** (SF 50400)

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

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

# HORTICULTURE: FLORICULTURE

Three State Fair Entries total from 50192, 50193, 50194, 50195, 50196;  
and 1 entry from 50198.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

*To maximize your horticulture showing experience, consider entering in the Junior Ag Fair classes. For more information, visit <https://www.livingstoncountyagfair.com/entries/>.*

## **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:

- Create an artistic display of dried flowers 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, <http://urbanext.illinois.edu/houseplants/default.cfm>.

## **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.

### **Floriculture Maker (SF 50400)**

#### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# HORTICULTURE: VEGETABLE GARDENING

Three State Fair Entries total for 50314, 50315, 50316;  
and 1 entry for 50318.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

To maximize your horticulture showing experience, consider entering in the Junior Ag Fair classes. For more information, visit <https://www.livingstoncountyagfair.com/entries/>.

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

## Vegetable Display (SF 50314)

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

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

## Vegetable Plate (SF 50315)

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

1. Exhibit must include 2 single vegetable plates. (Exhibitor will furnish the disposable plates.)
2. Number of vegetables on plates must conform to plate list below.
3. Only one variety on each plate.
4. An exhibitor cannot show two plates of the same type vegetable. (i.e.: Cannot exhibit red *and* white potatoes or zucchini *and* straightneck summer squash.)

## VEGETABLE PLATE/DISPLAY LIST

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

Asparagus (5 spears)

Beans, Lima (12 pods)

Beets (5)

Broccoli (1 head)

Brussels sprouts (12 sprouts)

Cabbage (1 head)

Cauliflower (1 head)

Carrots (5)

Cucumber, pickling or slicing (5)

Eggplant (1)

Garlic (5)

Kohlrabi (5)

Lettuce (1 head or plant)

Muskmelon incl. cantaloupe (1)

Okra (12)

Onions, large, dry (5)

Onions, green or set (12)

Parsnips (5)

Peas, (12 pods)

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

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

Popcorn (5)

Potatoes (any variety) (5)	Sweet Corn, in husks (5)
Pumpkin (1)	Tomatoes, slicing (5)
Rhubarb, trimmed stalks (3)	Tomatoes, small fruited (12)
Rutabaga (5)	Turnip (5)
Salsify (5)	Watermelon (1)
Squash, summer (any variety) (3)	
Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turk'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.

### **Vegetable Gardening Maker (SF 50400)**

#### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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



# INTERCULTURAL

One state Fair Individual Entry from 50233;  
1 State Fair Individual entry from 50234;  
1 State Fair Individual entry from 50236;  
1 State Fair Club entry from 50235.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

**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 Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

- All parts and software used in the design/build MUST be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log.

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

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

Exhibit a display illustrating the steps that the club has completed on the project selected for the year. Include a written outline or report of accomplishments and future goals. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what the club members have learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. The display must be accompanied by 3 or more club exhibitors at the time of the judge's critique. Club members should make a 5- to 10-minute presentation to the judge. All club members present for the judge's critique should be able to discuss the project and answer questions. Only club members present for judging who participate in the actual critique and presentation are eligible for ribbons and premiums. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

# INTERIOR DESIGN

Two State Fair Entries total from 50242, 50243, 50244, 50245;  
and 1 entry from 50247.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

## **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.

### **Interior Design Maker (SF 50400)**

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

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

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

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

# LEADERSHIP

Three State Fair Entries total from 50249, 50250, 50251, 50252;  
2 State Fair Entries from 50254;  
1 State Fair Entry from 50255.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## 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 Maker (SF 50400)**

##### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

#### **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.

# NATURE: NATURAL RESOURCES AND OUTDOOR ADVENTURES

3 State Fair Entries from 50256, 50257, 50258, 50259;  
1 State Fair Entry from 50267.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

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 Adventure 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

Three State Fair Entries total from 50260, 50261, 50262, 50266, 50263, 50265;  
and 1 entry from 50291.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **Sportfishing 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.

## **Sportfishing 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.

## **Sportfishing 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; sportfishing 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.

## **Natural Resources Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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



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

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

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

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

**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

Three State Fair Entries total from 50268, 50269, 50270, 50271, 50272;  
and 1 entry from 50274.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Thursday, 1 p.m.  
Humiston Building

ALL photos in exhibits must have been taken by the exhibitor. Photo/Model releases from individuals pictured in the exhibitor's photographs are required unless the photograph is of a group in a public place where identification would not be an issue. The release can be obtained at: <https://4h.extension.illinois.edu/members/projects/photography>. Photos may be taken with a camera, an electronic tablet (i.e. iPad), or a cell phone.

ALL photos (including Photo Editing exhibits) must be accompanied by details of the camera settings that include:

- a. Camera/device used
- b. Aperture (F-stop)
- c. Exposure time (shutter speed)
- d. ISO (film/sensor sensitivity)
- e. Lighting used (flash, artificial, sunlight, other)
- f. Photo editing software/application used (required for ALL edits and retouches except for cropping)
- g. Filters used (lens filters and or digital/software filters)

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

The exhibition size requirements for all photographs will be:

Minimum image size: 5"X7"

Maximum image size: 8"X10"

Maximum exhibit size (including frame): 18"X20"

All exhibitors must include unframed (taped to the back of the framed exhibit or attached to the project booklet) **un-edited** versions of either the same subject or the examples of the same technique that the framed image represents. This will assist the judge in understanding the choices made by the photographer to build the exhibited composition.

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

**All Photography exhibits must be prepared for hanging with a wire attached across the back of the frame for hanging.**

**For further explanation, please refer to the short video *How to add a hanger on your 4-H Project!***

<https://www.youtube.com/watch?v=QQH-Yszm-5I>



**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 of the project manual titled "Bits and Pieces." No photo editing is allowed in this class except cropping and red eye removal; **OR**
- Exhibit one framed 8"x10" photo which demonstrate your understanding of a technique you learned from your Photography 2 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

**Photography 3 (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.

**Photography Maker (SF 50400)**

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

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

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

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

# PLANTS & SOILS

Not Eligible for State Fair

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

## **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. 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 environmental and internal factors that affect plant growth. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

## **Plants & Soils Ready4Life Challenge** (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.

## **Plants & Soils Maker** (SF 50400)

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# ROBOTICS

Three State Fair Entries total from 50285, 50286, 50288, 50289, 50292;  
and 1 from 50293 to the State Fair.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Friday, 10 a.m.  
Humiston Building

**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 under Innovation Open Source class.

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

Exhibitors should complete Activities 1-6. Exhibitors will design, build and program a robot that can autonomously follow a predetermined path that changes direction at least 4 times during a single run. They will bring their Robotics Notebook to share what they learned about the engineering design process and programming.

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

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

## **Robotics 2** (SF 50286)

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

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

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

Exhibit an original robot, either homemade or a kit that does not fall under Robotics 1 or 2 that can complete a task using MULTIPLE sensors. If a robot kit is used, then some parts of the robot must be built using other components such as wood, plastic or metal. The robot can include any types of motors, pneumatics or sensors. The Innovation class can also be used for LEGO Mindstorms or Vex kits where the exhibit does not fall under Robotics 1 or 2 exhibit option. Autonomous control of the robot may also be achieved using an “open source” platform such as Arduino or Raspberry Pi and can be 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.

**Robotics Maker** (SF 50400)**Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# SHOOTING SPORTS

Two State Fair Entries total from 50401, 50402, 50403, 50404, 50405;  
and 1 from 50406.

Project Check-in – Tuesday. 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

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** (SF 50401)

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

## **Shooting Sports: Rifle** (SF 50402)

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

## **Shooting Sports: Shotgun** (SF 50403)

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

## **Shooting Sports: Hunting & Outdoor Skills** (SF 50404)

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

## **Shooting Sports: Pistol** (SF 50405)

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 50406)

### **Open to 11- to 18-year-olds enrolled in any Shooting Sports project.**

Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for



achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

### **Shooting Sports Maker (SF 50400)**

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

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

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

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

# SMALL ENGINES

One State Fair Entry for 50294;  
and 1 entry for 50297.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

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.
- **Compression System:** Explain how heat energy is produced by an engine and converted into mechanical energy.
- **Heat Transfer:** Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine.
- **Filter Maintenance:** Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine.
- **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.
- **Tools to do the job:** Identify and explain the function(s) of different specialty tools needed for small engine work.
- **Experimentation:** Explain through illustration an experiment you conducted from the project manual showing the results of your work.

## Small Engines 1-3: Maintenance (County project—not eligible for state fair)

Exhibit a display that illustrates either routing maintenance procedures **OR** diagnosing and troubleshooting specific problems with an engine.

## 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 Engines Maker (SF 50400)

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

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

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

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

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

# SMALL PETS

## Not State Fair Eligible

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

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

**Pets will remain at the 4-H Show only during their show period. No exceptions**

All 4-H members enrolled in a small pets project are required to take Quality Assurance and Ethics training one time in order to exhibit at the Livingston County 4-H Show. Training can be found at <http://web.extension.illinois.edu/qaec/> and must be completed by June 15.

### Small Pets—Live Judging

(Small Pets and Fish are NOT ELIGIBLE FOR STATE FAIR)

1. Pets must be brought in their own cages. They may only be removed for judging purposes.
2. Cats or kittens should be entered in the Cat project.
3. All exhibitors must complete the Quality Assurance and Ethics Certification (QAEC) Training as described above.
4. Members may enter in any or all of the classes below.

#### Small Pets (NOT ELIGIBLE FOR STATE FAIR)

Exhibit a small pet. Be prepared to discuss general health, nutrition, and grooming your pet. No cats or kittens can be shown in this class. Pet rabbits may be shown if not entered into a Rabbit Livestock category.

#### Tropical Fish (NOT ELIGIBLE FOR STATE FAIR)

In a folder, exhibit a photo of a fish in a tank and a one-page story about work done on this project. On outside of folder, write name, age and name of club. DO NOT bring fish to the show.

#### 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.

**Small Pets Maker (SF 50400)**

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

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

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

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

# TECHNOLOGIES

Project Check-in – Tuesday, 5-8 p.m.

Judging – Friday, 10 a.m.

Humiston Building

**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.

### **3-D Print & Design Maker** (SF 50400)

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

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

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

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

### **UNMANNED AERIAL VEHICLES/SYSTEMS (DRONES):**

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

#### **UAV Display** (not eligible for State Fair)

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

### **UAV Unmanned Aerial Systems** (not eligible for State Fair)

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

### **UAV Ready4Life Challenge** (not eligible for State Fair)

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

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

### **UAV Maker** (SF 50400)

#### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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



# THEATRE ARTS

Three State Fair Entries total for 50299, 50301, 50302;  
and 1 entry for 50304.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **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.

## **Theatre Arts Maker (SF 50400)**

**Open to youth in all projects. Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions**

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

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

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

# TRACTOR

Two State Fair Entries total for 50306, 50307, 50308, 50309, 50310;  
and 1 entry for 50312.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **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.

### **Tractor Maker (SF 50400)**

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

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

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

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

# VETERINARY SCIENCE

One State Fair Entry total from 50320  
and 1 entry from 50322.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **Veterinary Science (SF 50320)**

### **(Open to youth in Veterinary Science 1, Veterinary Science 2, and Veterinary Science 3)**

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

## **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.

## **Vet Science Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# VIDEO/FILMMAKING

Three State Fair Entries total from 50324, 50325, 50326, 50327, 50328;  
and 1 entry from 50330.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Friday, 10 a.m.

Humiston Building

Enrollment in the Video project is required to exhibit in the classes in this section.

## **All Exhibitors must bring their video to be judged on a USB flash drive and saved in .MP4 format.**

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

## **Requirements that apply to ALL video classes:**

Video submissions should be no longer than five (5) minutes in length (unless noted differently in class description.). Videos are to be original and a result of the member’s current year’s work. Criteria for judging shall include: (1) Evidence of story line; (2) Use of camera angles; (3) Use of zooming techniques; and (4) Smoothness of scene changes. Image and sound quality will be considered in relation to equipment available to and used by exhibitor. All videos should comply with copyright regulations and display an image that is appropriate for 4-H audiences. No time or date should be imprinted on the video footage. All videos should include an opening title screen, as well as closing credits which include date of production, name of video exhibitor and research sources if appropriate. **All Video/Filmmaking exhibitors must include a printed copy of materials which will remain on display.**

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

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

## **Animated Video (SF 50325)**

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

## **Documentary (SF 50326)**

Video in this class should represent a research-based investigation into a topic of choice. Video credits should list research sources and may include paper or electronically published materials, as well as, 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.

**Video Maker (SF 50400)**

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

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

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

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

## VISUAL ARTS

Two State Fair Entries from Chalk/Carbon/Pigment on canvas, paper or glass (Division A) 50336  
One State Fair Entry in each from these projects:

Food Decorating (1 total from 50332, 50333, 50334, 50335)	Heritage Arts 50341
Chalk/Carbon/Pigment on wood, metal, textiles (Division B) 50352	Leather 50321
Clay 50337	Metal 50342
Computer-Generated Art 50338	Nature 50343
Fiber 50339	Paper 50344
Fiber Non-Original Ages 8-10 Only 50350	Scrapbooking (1 total from 50345, 50346, 50347)
Glass/Plastic 50340	Three-Dimensional Design/Mixed Media 50348
	Wood 50349
	Ready4Life 50351

Project Check-in – Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

1. Exhibitors must be enrolled in the Visual Arts project category in which they are exhibiting.
2. Exhibitors may enter up to three different mediums within each class between original and non-original. You may not exhibit three of the same. (Example: In fiber, the exhibitor may show a total of three fiber projects: one counted cross-stitch, one embroidery, and one weaving. The exhibitor may NOT exhibit three counted cross-stitch projects.) **NOTE: Members will only earn one premium per class.**
3. 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 if it MUST NOT look exactly like something the judge can search for and find on Pinterest. The exhibit must combine parts of different patterns and/or ideas with the concepts of the member, 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.
4. Please note the definition and implications of original and non-original design:
  - a. Original—Completely thought of, created by, and formed around an idea of the 4-H member. 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). **Original works are State Fair eligible.**
  - b. Non-Original—Ideas found on Pinterest, already-created item (logo, characters, paintings, etc.), or simply changing a color, pattern, and/or size of an already-created item is considered non-original work. **If you create a replica of something, it is considered non-original. Non-original works can be shown at the county-level, but they are not State Fair eligible.**
5. Exhibitors are encouraged to date the project when it is made and must be created during the current 4-H year (since September 1, 2019).
6. All visual arts exhibits are evaluated using a visual arts rubric which takes into account correct use of design



elements; craftsmanship; and creativity.

7. If a photo, sketch, or other idea source was used, you should submit it with your entry. Tape it to the back or firmly attach it to your exhibit. Be prepared to explain how and where you got the idea for this project
8. Visual Arts projects are judged on Monday and must remain on display throughout the week of the 4-H Show. Any project that is not on display through the Saturday checkout time will not be eligible for premium money or awards.

Helpful hints when deciding on project area:

- Quilts—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.
- When selecting a project area, the decision should be based on the medium being used and what is being manipulated. For example, if the project involves painting on wood, but the painting is the focus on what is to be judged, then the project should be enrolled in Chalk/Carbon/Pigment Division B: Wood, Metal or Textiles.
- String art projects are typically enrolled as fiber arts. Depending on the project, it may also be Heritage Arts or 3-D/Mixed media depending on the composition of the project.
- Contact the Extension office if you have any questions.

## **Food Decorating**

Project Check-in –Monday, 2:30

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Food 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 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 Decorating Advanced (SF 50334)**

Exhibit a decorated, stacked and/or tiered cake, using a minimum of four Level 3 techniques. Exhibit may use cake OR cake form.

### **Visual Arts Food Decorating Master (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.

## **Food Decorating Activity**

Not eligible for State Fair

Judging—Friday, 9 a.m.

Fair Office

The Food Decorating Activity allows the opportunity for 4-H members to demonstrate their decorating skills in front of a judge and audience. Exhibitors should bring their items to be decorated to the fairgrounds on Friday morning of the 4-H Show. See below for requirements for each level (Beginning, Intermediate, and Advanced). Participants should bring their own equipment and colored frosting already mixed.

At the completion of the event, members are encouraged to donate their decorated cake or cookies for the auction. Proceeds benefit youth scholarships.

Family and other fairgoers are encouraged to watch the cake decorating but specific rules will be adhered to in order to make the 4-H members and judge more comfortable for judging.

- No parent or other person may sit or converse with 4-H member once judging has started unless advised to do so by the judge or superintendent.
- No parent or other person may assist the 4-H member with their decorating project unless advised to do so by the judge or superintendent.
- Talking will be kept to a minimum so as to not distract the 4-H members and judge. Individuals will be asked to leave that do not adhere to this rule.
- Chairs will be made available to viewers. No one will be allowed to walk around during judging except the judge and superintendent.
- Cakes may be viewed only when all decorating and judging is complete. They will be displayed in the fair office.
- If you would like a picture of a 4-H member with the judge, the judge will be available after judging for pictures or questions.

At the completion of the event, members are encouraged to donate their decorated cake, cupcakes, or cookies for the auction. All cake auction proceeds benefit the Livingston County Ag Fair Scholarship Fund. Donated items will be auctioned at 6:15 p.m. in the Grandstand Area. Please be at the fair office by 6 p.m. to present your cake for auction. If you would like to donate your cake, but are unable to attend the auction, let Ag Fair staff know that morning.

Exhibit an item noted below:

**Beginners** – Decorate a 9”x 13” (one layer) cake, already frosted but not decorated; or four cookies; or four cupcakes. Finished product must display a minimum of four (4) different techniques.

**Intermediate** – Decorate a two-layer cake, either round or square, already frosted, but not decorated; or four cookies; or four cupcakes. Finished product must be decorated a minimum of five (5) Level 2 techniques.

**Advanced** – Decorate a stacked and/or tiered cake which shows more advanced techniques than in the beginning or intermediate classes. A minimum of four (4) Level 3 techniques must be displayed.



*Please note: There are other opportunities for exhibiting cakes, cupcakes, and cookies through the Ag Fair on Friday. Refer to <https://www.livingstoncountyaqfair.com/> for more information and check out the Junior Home Economics section.*

## Chalk/Carbon/Pigment

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

**Visual Arts Chalk/Carbon/Pigment Original:** 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, 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.

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

**Division A: Canvas, Paper, Glass:** (Not Eligible for State Fair)

Any art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc. on canvas, paper, or glass. This would include all painting, sketching, drawing, cartooning, printing, etc. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for State Fair exhibit. Drawings and paintings should be matted or framed under glass. (Exceptions: Oil and acrylic paintings do not require glass and are not required to be matted.) Water color, chalk, pen & 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 Original:** (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.

**Division B: Wood, Metal, Textiles Non-Original:** (Not Eligible for State Fair)

Any 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.

### REMEMBER:

Exhibitors may show up to three different mediums between original and non-original within the Chalk/Carbon/Pigment class. For example, you can exhibit one Division A Original *chalk*, one Division A Non-Original *pencil drawing* and one Division A Original *painting*. However, you cannot exhibit more than one of the same medium. Example, you cannot show two paintings projects.

### Chalk/Carbon/Pigment PROJECT IDEAS

Painting – watercolor, acrylic, oil  
Pencil drawing  
Pen/Ink drawing  
Chalk  
Cartooning  
Charcoal

## Clay

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Clay Original:** (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 Clay Non-Original:** (not eligible for State Fair)

Any 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.

### REMEMBER:

Exhibitors can show up to three different mediums within the Clay class between original and non-original. For example, you can exhibit

- one pinch pot,
- one sculpture, and
- one diorama

However, you cannot exhibit more than one of the same medium. Example, you cannot show three pinch pots. A maximum of three clay projects may be exhibited.

### **CLAY PROJECT IDEAS**

Pinch pot  
Clay sculpture  
Clay bead bracelet  
Diorama

## **Computer-Generated Art**

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Computer-Generated Art Original: (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 hand, it does not require protective covering nor does it need to be prepared to hang.

### **Visual Arts Computer-Generated Art Non-Original: (Not Eligible for State Fair)**

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 hand, it does not require protective covering nor does it need to be prepared to hang.

### **REMEMBER:**

Exhibitors can show up to three different mediums within the Computer-Generated Art class between original and non-original. For example, you can show one digital painting, one fractal piece, and one plastic exhibit with artistic focus created with a 3-D printer.

However, you cannot exhibit more than one digital painting.

### **COMPUTER GENERATED ART PROJECT IDEAS**

Digital painting

Plastic exhibit using 3-D printer

Fractals

## Fiber

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### Visual Arts Fiber Original: (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, 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 Fiber Non-Original: (Not Eligible for State Fair)

Any original item made of fiber. Examples are quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, wearable art, hooking, braiding, duct tape artistry, and baskets. **Original** cross-stitched, knitted, 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 String Art Subclass

All string art projects are to be enrolled in this sub-category of fiber.

## REMEMBER:

Exhibitors can show up to three different mediums within the Fiber class between original and non-original. For example, you can exhibit

- one string art,
- one embroidery piece, and
- one duct tape skirt

However, you cannot exhibit more than one of the same medium. Example, you cannot show three string art projects.

## FIBER PROJECT IDEAS

Quilt  
Embroidery  
Duct tape wallet  
Duct tape dress  
Cross-stitch  
Friendship bracelets  
String Art  
Knit blanket  
Crochet scarf

## Glass/Plastic

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **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 Glass/Plastic Non-Original** (Not eligible for State Fair)

Any 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.

## Legos

*Legos are a sub-class within Glass/Plastic*

### **Visual Arts Legos Original—Ages 8-12** (Not eligible for State Fair)

Original item not from kit up to 20" x 20" table space.

### **Visual Arts Legos Non-Original—Ages 8-12** (Not eligible for State Fair)

Item made with kit up to 20" x 20" table space. Please bring instruction manual to judging.

### **Visual Arts Legos Original—Ages 13+** (Not eligible for State Fair)

Original item not from kit up to 20" x 20" table space.

### **Visual Arts Legos Non-Original—Ages 13+** (Not eligible for State Fair)

Item made with kit up to 20" x 20" table space. Please bring instruction manual to judging.

## REMEMBER:

Exhibitors can show up to three different mediums within the Glass & Plastic class between original and non-original. For example, you can exhibit

- one stained glass,
- one etched, and
- one mosaic

However, you cannot exhibit more than one of the same medium. Example, you cannot show three stained glass projects.

## **GLASS & PLASTIC PROJECT IDEAS**

Stained glass  
Etched glass  
Mosaic  
Glass beading  
Plastic bag art  
Diamond painting  
Art from recycled plastic



## Heritage Arts

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### 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 openwork), macramé, baskets, candles, pysanki (decorated eggs), leather, quilts, baskets (made using a traditional pattern), traditional handmade dolls with handmade costumes, or candles. No machine quilting allowed in Heritage Arts. Exhibitors must also bring 1) the pattern or a copy of the pattern they used to create their traditional art; and 2) a description of the traditional origins of their art choice.

### REMEMBER:

Exhibitors can show up to three different mediums within the Heritage Arts class. For example, you can exhibit one candle, one pysanki (decorated egg), and one crochet.

However, you cannot exhibit three baskets.

### HERITAGE ARTS PROJECT IDEAS

*(Learned from a person or from a pattern)*

Embroidery

Non-original Cross-stitch

Needlepoint

Crochet

Candles

Pysanki (decorated eggs)

Knit blanket from a pattern

Baskets

Quilts

## Leather

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### Visual Arts Leather Original: (SF 50321)

Exhibit one of the following options using leather.

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

### Visual Arts Leather Non-Original: (Not Eligible for State Fair)

Exhibit one of the following options using leather.

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

### REMEMBER:

Exhibitors can show up to three different mediums within the Leather class between original and non-original. For example, you can exhibit

- one stamped project,
- one carved project, and
- one laced project

However, you cannot exhibit more than one of the same medium. Example, you cannot show three stamped projects.

### LEATHER PROJECT IDEAS

Stamping  
Leather bracelet  
Bookmark  
Wallet  
Phone case  
Belt  
Coaster  
Hat  
Picture frame

## Metal

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Metal Original:** (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 Metal Non-Original:** (Not Eligible for State Fair)

Any 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.

### REMEMBER:

Exhibitors can show up to three different mediums within the Metal between original and non-original. For example, you can exhibit

- one sculpture,
- one tin punch project, and
- one jewelry exhibit

However, you cannot exhibit more than one of the same medium. Example, you cannot show three sculpture projects.

### **METAL PROJECT IDEAS**

Sculpture

Jewelry

Copper tooling

Tin punch

Decorative metal yard art

## Nature

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Nature Original:** (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 Nature Non-Original:** (Not State Fair Eligible)

Any 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.

### REMEMBER:

Exhibitors can show up to three different mediums within the Nature class between original and non-original. For example, you can exhibit

- one wreath,
- one nature diorama, and
- one nature collage

However, you cannot exhibit more than one of the same medium. Example, you cannot show three wreaths.

### **NATURE PROJECT IDEAS**

Wreaths

Diorama with nature materials

Collage

## Paper

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Paper Original:** (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 Paper Non-Original:** (Not State Fair Eligible)

Any 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.

### REMEMBER:

Exhibitors can show up to three different mediums within the Paper between original and non-original. For example, you can exhibit

- one quilling project,
- one origami project, and
- one paper architecture project

However, you cannot exhibit more than one of the same medium. Example, you cannot show three quilling projects.

### **PAPER PROJECT IDEAS**

Quilling  
Origami  
Greeting Cards  
Paper Mache  
Paper Architecture  
Collage

## Scrapbooking

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **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.

## **Three-Dimensional Design/Mixed Media**

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Three-Dimensional Design/Mixed Media Original: (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 Three-Dimensional Design/Mixed Media Non-Original: (Not Eligible for State Fair)**

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.

## Wood

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### **Visual Arts Wood Original:** (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 Wood Non-Original:** (Not Eligible for State Fair)

Any 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.

### REMEMBER:

Exhibitors can show up to three different mediums within the Paper between original and non-original. For example, you can exhibit

- one carving project,
- one sculpture project, and
- one wood burning project

However, you cannot exhibit more than one of the same medium. Example, you cannot show three carving projects.

### **WOOD PROJECT IDEAS**

Carving a chess set  
Sculpture  
Wood burning  
Whittling  
Drift wood art



## **Ready4Life Challenge**

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

**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.

## Maker

Project Check-in –Monday, 2:30 p.m.

Judging – Monday, 3 p.m.

Humiston Building

### Visual Arts Maker (SF 50400)

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

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

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

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

# WEATHER

One State Fair Entry total 50392, 50393, 50394;  
and 1 entry from 50395.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

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

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

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

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

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

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

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

### **Open to 11- to 18-year-olds enrolled in any Weather and Climate project.**

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

## **Weather Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

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

# WELDING

Two State Fair Entries total from 50353;  
and 1 entry from 50355.

Project Check-in – Tuesday, 5-8 p.m.  
Judging – Wednesday, 9:30 a.m.  
Humiston Building

## **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.

## **Welding Maker (SF 50400)**

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

# WOODWORKING

Two State Fair Entries total from 50357, 50358, 50359, 50360;  
and 1 entry from 50362.

Project Check-in – Tuesday, 5-8 p.m.

Judging – Wednesday, 9:30 a.m.

Humiston Building

## **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.

## **Woodworking Maker** (SF 50400)

### **Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.**

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

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

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

Software and/or Hardware in the build.