EFFINGHAM COUNTY 4-H

2020

HANDBOOK

Including information on
4-H policies, club membership and exhibit opportunities

University of Illinois Extension
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Effingham County Rules & General Information

Effingham County 4-H Membership

1. **COMMUNITY CLUB MEMBER ELIGIBILITY**: Any boy or girl, regardless of race, creed, color, or handicap, who was 8-18 years of age on Sept. 1, 2019, may be a member of a 4-H community club. These members can hold offices, participate in the county 4-H fair and events, and participate in the 4-H awards program. A list of available clubs in Effingham County is available from the county office. Mentally challenged adults who are over the age of 18 may also be 4-H members in certain settings.

2. **SPECIAL INTEREST CLUB MEMBERS ELIGIBILITY:** Any boy or girl, regardless of race, creed, color, or handicap, who is 8-18 years of age by Sept. 1, 2019, may be a member of a 4-H SPIN (Special Interest) Club. 4-H members enrolled in SPIN Clubs are eligible for full membership, awards, scholarships and exhibit opportunities.

3. **INDEPENDENT MEMBER ELIGIBILITY**: 4-H members do not have to enroll in a community club to participate fully in the 4-H program. Members who cannot or do not wish to enroll in a club may enroll as "Independent Members." Independent members must meet with an adult mentor (non-related) at least four times during the year to be eligible to exhibit at the 4-H Show. Independent members may apply for all awards. Members wishing independent status must request an application form and return it prior to Jan. 1, 2020.

4. **4-H CLOVERBUD MEMBER ELIGIBILITY**: Youth 5-7 years of age by September 1, 2019 may enroll in 4-H as 4-H Cloverbuds. Cloverbuds may learn about 4-H by attending club meetings, taking 4-H projects and participating in 4-H shows and events. Cloverbuds do not hold club offices. Cloverbud members are not allowed to exhibit livestock or horses. Cloverbud members do not receive premiums, but are allowed to exhibit at the 4-H Show and receive a ribbon. Members enrolled in the "Cloverbud" project, may order manuals especially suited for youth age 5-7 listed on the project selection sheet.

5. **PROGRAM FEES:** All members, regardless of classification must pay the $20 Illinois State Program Fee. The fee helps support state programs and events, as well as provides funds for local events, workshops, recognition, office materials, manuals and leadership training opportunities. Members who belong to more than one club are only required to pay the fee one time. The fee covers 12 months of 4-H club membership. The date of the renewal is September 1 for community clubs, independent and cloverbud members. The date of the renewal for SPIN club members is the charter date of the SPIN club.

6. **MULTI-COUNTY MEMBERSHIP:** Members may join more than one 4-H club in two different counties. They are only required to pay **one** program fee. They only receive premium funds in the county where their membership fee was paid.

7. **ENROLLMENT YEAR**: The 4-H year runs September 1 to August 31 of the current year. The 4-H Year begins September 1 and ends the following August 31. "4-H age" is determined as the age the 4-H member was on September 1, 2019.

8. **ACCESSIBILITY**: Anyone needing reasonable accommodations to participate in a 4-H program should contact the Effingham County Extension Office.

Benefits of Membership

1. **4-H NEWSLETTER**: All 4-H families and volunteers will receive a 4-H newsletter detailing upcoming 4-H events and activities. These newsletters contain important information. Your newsletter will be emailed unless a request has been made for a paper copy or email copy.

2. **4-H CLOVER**: The 4-H Clover lists all of the projects available from the State 4-H office. It briefly describes these projects, gives suggested ages for each project level and lists available publications. Special 4-H awards and programs, which may be applied for, are also listed in the 4-H Clover.

3. **4-H MANUALS**: 4-H members may order a project manual for each project that they enroll, if available. Members receive $5 worth of manuals FREE of charge. Members must pay for any additional manuals ordered over $5. The Effingham County Extension Office is required to pay for these manuals. 4-H leaders and members are STRONGLY encouraged to recycle and reuse these 4-H manuals as much as possible to save money for families and the local office as well as encourage a "green" lifestyle.

4. **DEMONSTRATIONS & TALKS**: 4-H members gain confidence by giving a talk or demonstration about at least one of their projects to their club each year.

5. **4-H EVENTS**
   There are many different 4-H activities for kids and adults. Details regarding any of the following events can be found in your 4-H newsletter or at the Effingham County Extension Office.

   - **4-H ACHIEVEMENT NIGHT**: An annual awards program is held for 4-H members and leaders.

   - **4-H CAMP**: Youth ages 8 – 18 may attend summer camp at 4-H Memorial Camp in Monticello, IL. This is a great place to camp, make new friends, swim, learn lots of new things, sleep in log cabins, and have the best time!!! 4-H Memorial Camp offers your traditional summer camp plus many specialty camps like Camp White-Tail, Fish Camp, and more! Youth do NOT have to be a 4-H member to attend camp. 4-H members 16 years and older may serve as camp counselors at 4-H Memorial Camp.

   - **CITIZENSHIP WASHINGTON FOCUS**: Youth 15 and older by January 1 can attend a 7-day conference at the National 4-H Center in Chevy Chase, Maryland. While there, 4-H members will spend time in Washington, D.C. visiting the White House, Lincoln's Memorial, Arlington Cemetery, Mt. Vernon, and many more historical sites. They will also meet congressional delegates.

   - **STATE 4-H ILLINI ACADEMIES**: Youth 14 and older by January 1 can attend a state-wide conference. At this unique learning experience, 4-H members will meet with other 4-H members from around the state to study projects and various topics in a University setting, a good way to meet new friends and become familiar with the various places throughout Illinois.

   - **STATE 4-H JR. LEADERSHIP CONFERENCE**: Youth in grades 7 & 8 may attend a state-wide conference. At this unique learning experience, 4-H members will meet with other 4-H members from around the state to learn about being a leader in their 4-H club.

- **WORKSHOPS/CLINICS**: There are several workshops/clinics offered to 4-H members and the public throughout the year.

- **JUDGING CONTESTS**: 4-H members have the opportunity to participate in a wide variety of judging events throughout the year.

- **PUBLIC SPEAKING/DEMONSTRATION CONTEST**: A county Public Speaking Contest is held and the top speakers are eligible to attend the Illinois State Fair.

- **4-H COMMITTEES**: 4-H committees meet throughout the year to plan activities for upcoming 4-H events, evaluate project rules, select fair judges, settle project conflicts, and to encourage participation in their project area. Adults and youth are welcome to be on any or all of the 4-H committees. Contact the office about being on a committee.

- **4-H FUNDRAISERS**: There are several 4-H fundraisers for both youth and adults to help with throughout the year.

- **4-H FAIR**: 4-H members are rewarded for the work they have done on their 4-H projects during the annual 4-H Fair. The time schedule and exhibit requirements are included in this guidebook.

6. **AWARDS & RECOGNITION FOR MEMBERS**
There are many award areas in which 4-H members can receive recognition for all of their hard work. This recognition is given to 4-H members at the annual 4-H Achievement Night in the fall. The following is a list of the different award areas and a description of each.

TAX IMPLICATIONS FOR PRIZES, GIFTS OR AWARDS
Program Participants (including minors) will be required to provide their social security number or foreign national tax ID number prior to receiving a prize, gift or award to ensure proper IRS reporting as required by law. This sensitive information is kept confidential and handled through security protected software (PEAR). Participants will not be eligible for prize, gift or award if social security or foreign national tax ID information is not provided.

A. **NON-COMPETITIVE AWARDS FOR MEMBERS**
Members receive some awards for their general participation in the program. There is no competition for these awards. Members who do the work required receive the award automatically.

1. **Participation Award Certificate & Year Pin**
Every member should be awarded a PARTICIPATION AWARD CERTIFICATE. Each member in their 1, 5, 10, 11 and 12 will also receive a number pin, noting the number of years they have been in 4-H.

2. **Progress Awards**
Members who "made progress" on a 4-H project or 4-H activity or grew in some way from their 4-H work should be awarded a PROGRESS AWARD CERTIFICATE & SEAL. This award is determined by the 4-H Club Leader.

B. **COMPETITIVE AWARDS FOR MEMBERS –** Illinois State 4-H Award Areas

1. ***The Experience Award*** offers recognition for members who participate in activities and events. There are always lots of activities you can do as a 4-H member ranging from club to national events.
    ELIGIBILITY: Open to 4-H members of all ages.

    APPLICATION PROCESS: DOWNLOAD the Experience Award Application at   for Individuals and save to your computer. We encourage you to work on this application throughout the year. Your county will provide you a local application deadline. Complete the application listing your *experiences* during one year in these 4 areas:

    > Participation
    > Community Service
    > Leadership
    > Project Learning

    RECOGNITION
    Bronze, Silver, & Gold Clover Award winners receive county recognition. Diamond and Emerald Clover Award winners will be honored at a state awards ceremony each fall. There is no limit to the number of members who can achieve each level... if you do the work, you get the award. Your award level is determined by how many experiences you do in each area:

    Bronze Clover Award: Complete at least 1 experience in each of the four dimensions.
    Silver Clover Award: Complete at least 2 experiences in each of the four dimensions; at least 2 of those experiences must be at the County level or beyond.
    Gold Clover Award: Complete 4 experiences in each of the four dimensions; at least 2 of those experiences must be BEYOND the County level.
    Diamond Clover Award: Complete 6 or more experiences in ONE dimension; at least 4 of those experiences must be BEYOND the County level.
    Emerald Clover Award: Complete 8 or more experiences in ONE dimension; at least 4 of those experiences must be BEYOND the County level PLUS at least 2 must be at the State or National level.

2. ***Illinois 4-H State Award***
    Five different award areas are featured. Choose from any (or all) of these divisions to apply:

    Community Service
    This award recognizes youth that have focused on 4-H work in service to/for others.

    Communications
    This award recognizes youth who have focused on 4-H work in the art of communicating with others.

    Leadership
    This award recognized youth who have focused on the development of leadership skills, including offices held, committees served, programs lead, and public presentations on behalf of 4-H.

Personal Growth
This award recognizes youth who have focused on personal growth through participating in the 4-H program.
Project Mastery
This award recognizes youth who have focused specific and diligent work in their primary 4-H project area.

1.   **SPECIAL COUNTY AWARDS**
Deadline for applying for County Awards is September 1 of each year. To receive a **COUNTY AWARD,** you must fill out the Illinois State 4-H Award Application in any area.

TOP MEMBER AWARDS
You must complete **ALL** of the following: Receive highest points on the Illinois 4-H Award Application in your age group (any project area)

CITIZENSHIP WASHINGTON FOCUS SCHOLARSHIP
You must currently be fourteen years of age or older, enrolled in 4-H in Effingham County, and submit a 500 word essay including the following criteria: 4-H accomplishments, community service activities; how you will utilize what you have learned from 4-H. Essay must be in the Extension Office no later than September 1.

LORI VOELKER MEMORIAL AWARD
You must complete an Illinois 4-H Award Application in Leadership or Achievement to be eligible for this award.

EFFINGHAM COUNTY RECOGNITION AWARD due April 1, 2020
The application form and two letters of recommendation (one from a 4-H leader and one from a non-family member such as teacher, employer or other community leader), should be submitted to the Effingham County Extension office by April 1, 2020. Letter of recommendation should be in a sealed envelope or emailed to logan1@illinois.edu directly from the individual writing the recommendation letter.

OFFICER AWARDS:
Special prizes are given to the following top club officers:

President: MEMBER'S APPLICATION PROCESS: Write an essay about your leadership as the club's president. Include your involvement in preparing the club agenda, planning programs, assisting members, holding officer meetings, etc. which might give a clue into how you personally led your 4-H club.

Secretary: MEMBER'S APPLICATION PROCESS: Submit secretary book and all supplemental material. The secretary's book may be typed instead of handwritten, but all additional sections of the secretary's book must be completed.

Treasurer: MEMBER'S APPLICATION PROCESS: Submit treasurer book, bank statements and all supplemental material. **THE AUDIT MUST BE COMPLETED AND SIGNED.**

Reporter: MEMBER'S APPLICATION PROCESS: Submit reports submitted to the paper or the office.

The following criteria is used in judging the officer awards: neatness; thorough completion of the books by the member; accuracy of the information provided; and the scrapbooks should include the club name, officers', leaders' and members' names.

JEFF BROOKS MEMORIAL SCHOLARSHIP AWARD
You must have been a member of an Effingham County 4-H Club, high school graduate, fill out an application and compose answers into an essay. Applications are to be submitted to the University of Illinois Extension Office by July 31.

NEWLIN MARTIN SCHOLARSHIP
You must currently be a high school senior or junior, or college freshman, enrolled in the Effingham County 4-H program, and submit a 500 word essay including the following criteria: 4-H accomplishments, community service activities; how you will utilize what you have learned from 4-H; and financial need of the scholarship. Essay must be in the Extension Office no later than the end of October.

2. **ILLINOIS STATE ELECTRIFICATION COUNCIL AWARD**
4-H members who complete the Electricity Project may wish to apply for this special state award. To be considered for this award, 4-H members must have constructed and displayed an electrical exhibit, and completed and turned in an application for the electricity award. 4-H members may only win this award one time during their career.

Log on to http://web.extension.illinois.edu/cefj/effingham4h/2037.html for more information on scholarship and awards.

3. **AWARDS FOR ADULTS**
Adult volunteers add value to the 4-H program. Their work is acknowledged in many ways by the University of Illinois Extension.

   a. **4-H LEADER RECOGNITION**: 4-H Club Leaders are recognized for their many years of volunteerism during a banquet in their honor. Special pins are awarded for 5, 10, 15, 20, 25, 30, 35 and 50 years of service.

   b. **4-H CLUB LEADER & JUNIOR LEADER RECOGNITION**: 4-H Club Leaders and Junior Leaders are recognized for their accomplishments with their club.

   c. **4-H ALUMNI OF THE YEAR**
   The ALUMNI AWARD honors past 4-H club members who continue to serve the 4-H program. A form is available online with instructions for completing. This application is the ONLY information we have to select winners, so please include as much information as possible.

   d. **Friend of 4-H Award**
   Special awards are awarded annually to adult volunteers and businesses which have shown tremendous support to the county 4-H program. The FRIEND OF 4-H AWARD honors individuals and businesses that help the county 4-H program. Winners may only receive the award once in their lifetime. This application is the ONLY information we have to go on to select winners, so please include as much information as possible.

4. **AWARDS FOR CLUBS**

Recognition and awards have been an important part of 4-H. From the earliest days of 4-H, we have known that the wise use of recognition helps motivate youth. Recognition encourages young people and increases their interest in the opportunities that are available to them. Volunteers and professionals have used recognition as one way to help young people become more capable and competent young adults.

ENGAGE

Highlights the importance of 4-H clubs to the 4-H program. APPLICATION PROCESS: No application is required to receive this recognition. RECOGNITION: Local Extension offices will create their own plan for honoring all clubs who become engaged in the 4-H program. This may include:

- Newsletters
- Social Media Highlights
- News Stories
- Flag Sets
- Club Charters
- Special Items

EXPERIENCE

The Illinois 4-H program offers many EXPERIENCES. This area offers recognition for clubs which are involved in diverse 4-H experiences. APPLICATION PROCESS: Leaders and members can "Share Their Story" online at 4-H.illinois.edu in the following areas. RECOGNITION: County Extension offices can determine local recognition, including social media shout-outs, or newsletter highlights.

- Community Service
- Leadership
- Project Learning

EXCEL

4-H Clubs which EXCEL in their work can compete for state honors in specific award areas. **APPLICATON PROCESS:** Complete the Illinois 4-H Club Award Application in one (or more) of these 3 areas:

- Community Service
- Leadership
- Project Mastery

Click here for applications https://4h.extension.illinois.edu/members/awards

4-H Policies

1. **INDIVIDUAL CODE OF CONDUCT:** All 4-H members & adults must abide by the 4-H Code of Conduct at all 4-H events and during club meetings.

2. **CLUB POLICIES:** All 4-H clubs must submit a secretary's report and audited treasurer's report annually. Additional rules regarding club operations and finance are outlined in the Illinois 4-H Policies manual. Clubs which do not comply will not be allowed to re-enroll the following year.

3. **STATE POLICIES:** The Effingham County 4-H program must adhere to all the rules, regulations and policies of the State 4-H program as outlined in the Illinois 4-H Policies manual. Anyone may request a copy of the policy manual from the county office.

4. **FEDERAL TRADEMARK REGULATIONS:** The 4-H clover is protected by trademark laws. Specific rules must be followed when using the 4-H clover. Anyone may request a copy of those rules from the county office.

5. **GRIEVIANCE PROCEDURES**
   1. Members of the public, who are involved in Effingham County Extension programs, have the right to bring complaints to the attention of the County Director with assurance that the complaints will receive a review and be accorded fair and equitable treatment. The County Director can be reached at 217-347-7773.

   2. A *formal written complaint* may be made to the County Director. A review team consisting of the County Director, Youth Educator, and other Extension staff will be involved in reviewing the situation. The County Director will initiate discussion, considerations and resolution within 20 working days from the date of the complaint.

   3. If the grievant is not satisfied with the informal/formal process at the Unit level, the grievant may present a formal written grievance to the Regional Director.

Illinois 4-H Code of Conduct

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

Our first priority is to create a safe, inclusive space for learning, sharing and collaboration that is welcoming to people from diverse backgrounds, cultures, and perspectives. Diversity includes, but is not limited to: race, color, religion, political beliefs, national or ethnic origin, immigration or citizenship status, sex, gender identity and expression, transgender status, sexual orientation, age, marital or family status, educational level, learning style, pregnancy, physical appearance, body size, and individuals with disabilities.

1. **Create a Welcoming Environment for All**. Encourage everyone to fully participate in 4-H. Recognize that all people have skills and talents that can help others and improve the community. Though we will not always agree, we must disagree respectfully. When we disagree, try to understand why.
2. **Bring Your Best Self**. Conduct yourself in a manner that reflects honesty, integrity, self-control, and self-direction. Accept the results and outcomes of 4-H contests with grace and empathy for other participants. Accept the final opinions of judges and evaluators. Be open to new ideas, suggestions, and opinions of others.
3. **Obey the Law**. Commit no illegal acts. Do not possess, offer to others, or use alcohol, illegal drugs, or tobacco products. Do not possess or use weapons or firearms except as expressly permitted as part of supervised 4-H shooting sports programming. Do not attend 4-H activities under the influence of alcohol or illegal substances.
4. **Honor Diversity – Yours and Others'**. Respect and uphold the rights and dignity of all persons who participate in 4-H programs.

5. **Create a Safe Environment.** Do not carelessly or intentionally harm or intimidate anyone in any way (verbally, mentally, physically, or emotionally). Do not engage in romantic displays or sexual activities in either public or private situations. Be kind and compassionate toward others. Do not insult, harass, or bully others or engage in other hostile behaviors. Be considerate and courteous of all persons and their property.
6. **Be a Team Player**. Work cooperatively with all individuals involved in 4-H programs and activities. Be responsive to the reasonable requests of the person in charge. Respect the integrity of the group and the group's decisions.
7. **Participate Fully**. Participate in and contribute to planned programs, be on time and follow through on assigned tasks/responsibilities in a manner that fosters the safety, well-being, and quality of the educational experience for self and others. Have fun!
8. **Watch What You Wear**. Use good judgment. Wear clothing suited for the activity in which you will participate. Dress in a manner that is respectful to yourself and others. Clothing that displays or promotes violence, obscenity, illegal activities, discrimination, or intimidation is prohibited. Do not wear revealing clothing, such as short skirts or shorts, midriff-baring tops, or anything showing undergarments.
9. **Be a Positive Role Model**. Act in a mature, responsible manner, recognizing you are role models for others and that you are representing both yourself and the University of Illinois Extension 4-H Youth Development Program. Be responsible for your behavior, use positive and affirming language, and uphold exemplary standards of conduct at all 4-H activities.

CONSEQUENCES
Any of the following may be used, depending on severity of the situation:
1. Participant will receive a verbal warning.
2. Participant may remain at the event/activity, but may be barred from future events.
3. Participant may be asked to leave the event/activity. If the participant is a youth, the parent(s) will be called and the youth will be sent home at family's expense.

Effingham County 4-H Foundation

The Effingham County 4-H Foundation exists to promote and financially support local, county, state, national, and worldwide 4-H activities; including informing sponsors of the importance and the value to young people of the education and training they receive in 4-H activities. The **membership of the Foundation** includes any Extension volunteer, 4-H member or donor making contributions to the Foundation. The **board of directors** is charged with implementing the desires of the Foundation members. The board includes one representative from each 4-H community or SPIN club, plus no more than three At-Large Directors from the community who have been invited and approved by the Board of Directors. The by-laws are available online and were recently amended in December 2011.

2019-2020 Directors and Officers include:
4-H Federation: Paige Logan
Country Cousins: Matt Jansen
Computer Club: Joey Meyer
Crazy 4 Critters: Erin Pontious
Daisy Dolls & Guys: Lisa Hill
Dieterich Trailblazers: Geri Wohltman
Easy Riders: Dan Haarmann
Inside Out: Angie Moeller
Llama Leaders: JoAnn (Larry) Ring
Lit' Bit Country: Kathy Wines

Mid-Illinois Extreme Shooters: Kevin Hoopingarner
Midnight Riders: Abigail Wolff, Treasurer
Shumway Eagles: Cindy Mathis
Sunshine Pals: Athena VanDyke
T-Town Wranglers: Lynn Huber
Top Dog Club: Angie Sorling
Tractor Club: Ron Voelker
Western Rooters: Lori Camp
At Large: Dana Grupe, Darren Feldkamp & Lynn Wolff

Effingham County 4-H Show Policies and Regulations

Entry Procedure and Deadlines

1. Project selections are *requested* by May 1. 4-H members must be enrolled in each 4-H project they wish to exhibit at the 4-H Fair by **May 1**.   **4-H** members **may not add any additional *projects* after May 1.** 4-H members should check their enrollments with their leader prior to May 1 to ensure they are in the correct projects.

2. A youth who enrolls in a 4-H club/group must attend at least **one meeting**, **tour, workshop, or other activity** of that club/group to be called a 4-H member. Youth that do not comply are not eligible to take part in the 4-H exhibitions, receive 4-H premiums, or other 4-H awards and recognitions that are available to 4-H members. It is recommended that members attend at least four club meetings, tours, workshops or other 4-H activities prior to July 1.

4. **All entries must be entered by June 15**. Entries must be made on the specific **Fair Entry website by the 4-H member.**

5. No additions to the entries will be allowed after June 15.

6. 4-H members will **not** be penalized for **not** bringing an exhibit they originally signed up for.

7. **Additional rules for exhibiting livestock, poultry, rabbits, and horses apply** and may be found beginning on page 82 of this Guidebook. ***Members are encouraged to read those directions completely.***

Show Day Procedure & Project Exhibit Requirements

Before the Show

1. **EXHIBIT RULES:** Specific rules for each project are listed in this Show Book. In most cases, the exhibit listed is one of several activities taken from your project manual. Be certain to follow the rules listed in **this handbook EXACTLY**, even if they differ from your project manual. 4-H Show exhibits which do not meet these guidebook rules will not be eligible to receive an A rating.

2. **WORK OF EXHIBITOR**: Projects are to be constructed by the exhibitor, and they must have been made in the current 4-H year. The same product or speech that is selected at the county level must be exhibited at the State Fair, adjusted to State Fair class requirements.

3. **NUMBER OF ENTRIES:** Some projects allow you to bring more than one exhibit per *project*; others allow only one. Remember to select just one choice unless the project rules specifically say you can prepare more than one. In the visual arts project, you may enter a separate exhibit in any or all of the 11 visual arts sub-divisions, but you may only bring two exhibits per sub-division.

4. **SIZE:** Table displays are limited to no more than 2' wide x 15 inches deep. There is no restriction on the height of displays, but exhibits over 4' tall must sit on the floor. Maximum poster size is 22" x 30". This rule will be STRICTLY enforced.

5. **CATEGORY**: In the *rare* cases where a project may have been entered in the wrong category, the superintendents, with approval from Extension staff, have authority to move a project to the correct class if it doesn't meet the requirements of the class it was originally entered in.

The Day of the Exhibition in Foods, Clothing & General Show

1. **ATTENDANCE:** 4-H members are encouraged to exhibit their own projects at the 4-H shows. Members unable to exhibit or who have a conflict **MUST** contact the Extension Office, their club leader, or the appropriate superintendent at least 48 hours in advance of the show. The exhibitor is to make arrangements for another *Effingham County* 4-H member to exhibit his/her project. If the exhibitor is unable to exhibit his/her project, and does not contact the proper individuals, the project may not be shown. **Parents and Leaders may not exhibit a 4-H members project.** Each club has an assigned time for all of their members to bring their projects. Members may come late as long as it is before noon. You are NOT encouraged to come early.

2. **CONFERENCE JUDGING**: At the county 4-H shows, a judge will evaluate the quality and appearance of each exhibit. In addition, the judge will ask the 4-H member some questions about their project to assure their knowledge of the project. Parents are not allowed to assist the 4-H member at any time during the conference judging. Only the superintendents and junior superintendents will be allowed in the judging areas along with the 4-H member being judged. ***The judge's decision is final unless it has been determined that an exhibitor has not followed the guidelines or rules for that exhibit class.***

3. **APPEARANCE:** 4-H members should dress nicely and be well groomed. Members should consider the judging process an "interview." Undergarments are intended to be worn under garments and should not be visible. For livestock exhibition: members should dress appropriate, including closed-toe work shoes or boots, no tank tops or low-cut tops, appropriate jeans/pants. Undergarments are intended to be worn under garments and should not be visible. These livestock rules also apply to members exhibiting poultry and rabbits since they are in close proximity to livestock. No flip-flops will be allowed in the barns or arena. If members want to be considered for State Fair, they must be present for county conference judging OR submit a written report telling about the project (a minimum of one double-spaced typewritten page or two handwritten pages).

4. **GENERAL PROJECT DISPLAY:** Projects will be on display in the general exhibit area after they have been judged. .

5. **GENERAL PROJECT DISPLAY DURATION:** Projects may be picked up on **Thursday OR Friday. ALL PROJECTS MUST BE PICKED UP BY NOON FRIDAY.** All exhibits must be identified with an official entry tag. This entry tag is to be completely filled out and securely attached to the exhibit. All projects not picked up by NOON on Friday will be left in the building. It will be your responsibility to find someone to let you in the building. We are not responsible for projects left after NOON on Friday.

6. **SCORESHEETS**: Exhibits will be scored by the state scoresheet for that project. A copy of all scoresheets is available online at: http://web.extension.illinois.edu/cefj/cat79_3592.html .

7. **PREMIUMS**: Monetary awards (4-H premiums) are given to 4-H members for completed projects based on project ratings at county 4-H shows. The amount varies each year based on the amount provided to the Illinois Department of Agriculture for the 4-H premium fund. These funds are appropriated by the State Of Illinois General Assembly. ***Disclaimer***: *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, premium amounts may not be accurately reflected in this Premium Book."*

- Members who do not exhibit at the County Show can show the project at a local club tour or achievement meeting to receive credit for exhibiting, but will not receive premium money for the exhibit.
- Non-state projects are not allowed, by law, to receive a state premium.

8. **RIBBONS**: Projects in non-livestock classes will be scored against a score sheet which is available to anyone upon request from the county office.
   - Based on that score, each exhibit will receive either a **blue, red or white ribbon**. Projects earning a blue ribbon "met the standards" in most categories of the score sheet. Projects "needing some improvement" will receive a red ribbon, and projects "needing much improvement" will receive a white ribbon.
   - **A BEST OF SHOW RIBBON** is awarded to the TOP "Blue Ribbon" rated exhibit in each non-livestock class listed in the guidebook. If there are no "Blue's" in the class, no Best of Show will be awarded.

9. **ILLINOIS STATE FAIR:** 4-H members who were 8 years of age by Sept. 1, 2019 may be selected to participate in the State Fair in non-livestock classes. Information about the state fair will be distributed at the 4-H Fair. Exhibitors selected for State Fair in more than one area have until 4 PM on the Monday following the General Projects Exhibit Day to choose which area they will go to State Fair in. You may only go to State Fair in one area. Alternates deserve some time to get ready – so please choose quickly and let the office know. You may use the cards supplied on general projects day to designate your choice. Those participants chosen to participate in State Fair exhibits will be required to comply with all State Fair rules.
   - Members must have been 8 years of age by Sept. 1, 2019 to exhibit at the Illinois State Fair in 2020.
   - Members may exhibit one project only at the State Fair. If a member was selected in more than one area in either group, they must choose one and notify the county office by the date required of the county office.
   - Members are responsible for transporting their project to the state fair and must be present to attend conference judging with their project on the specified days at the Illinois State Fair.
   - Schedule for the State Fair follows:
   - Premium for each state fair exhibit is unknown at this time and depends on state funding.

10. **NOT RESPONSIBLE:** Care will be exercised to prevent accident or damage of any kind to the projects, but the superintendents and the Extension Staff will not assume any liability for damage to property or person.

11. **FINAL DETERMINATION:** The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

STATE FAIR EXHIBIT SCHEDULE 2020
All General 4-H Exhibits from these counties will be judged on these dates:

Friday, August 14: Bureau, Carroll, Champaign, Coles, Cumberland, DeWitt, Ford, Fulton, Henry, Iroquois, Jo Daviess, LaSalle, Lee, Macon, Marshall-Putnam, Mason, Mercer, Moultrie-Douglas, Peoria, Piatt, Rock Island, Shelby, Stark, Stephenson, Tazewell, Vermilion, Whiteside, Winnebago counties

Saturday, August 15: Christian, Clark, Clay, Cook, Crawford, DeKalb, DuPage, Edgar, **Effingham**, Fayette, Franklin, Jackson, Jasper, Jersey, Johnson, Kane, Kendall, Livingston, Logan, Macoupin, Massac, McLean, Menard, Montgomery, Ogle, Perry, Pulaski-Alexander, Randolph, Sangamon, Union, Williamson, Woodford counties

Sunday, August 16: Adams, Bond, Boone, Brown, Calhoun, Cass, Clinton, Edwards, Gallatin, Greene, Grundy, Hamilton, Hancock, Henderson, Jefferson, Kankakee, Knox, Lake, Lawrence, Madison, Marion, McDonough, McHenry, Monroe, Morgan, Pike, Pope-Hardin, Richland, Saline, Schuyler, Scott, St. Clair, Wabash, Warren, Washington, Wayne, White, Will counties

4-H STATE PROJECTS

AEROSPACE Each county may send 2 entries total from 50130, 50131; and 1 entry from 50133.

Aerospace 2 Model Rocketry: (SF 50130)
Exhibit one model rocket assembled or made by the member. The exhibit will be a static display. The model rocket should be in good flying condition. DO NOT include the rocket engine with your exhibit. The rockets will not be launched. Attach the printed directions for construction of the rocket if any were used.

Aerospace 2 Aerospace Display: (SF 50131)
Prepare a display related to the aerospace project 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 3 Model Rocketry (SF 50130)
Exhibit one model rocket assembled or made by the member. The exhibit will be a static display. The model rocket should be in good flying condition. DO NOT include the rocket engine with your exhibit. The rockets will not be launched. Attach the printed directions for construction of the rocket if any were used.

Aerospace 3 Aerospace Display (SF 50131)
Prepare a display related to the aerospace project 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 4 Model Rocketry (SF 50130)
Exhibit one model rocket assembled or made by the member. The exhibit will be a static display. The model rocket should be in good flying condition. DO NOT include the rocket engine with your exhibit. The rockets will not be launched. Attach the printed directions for construction of the rocket if any were used.

Aerospace 4 Aerospace Display (SF 50131)
Prepare a display related to the aerospace project 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 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.

BEEF

Beef Animal Science (SF 50135)
Prepare a display focusing on any activity related to the beef project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Animal Science Beef Ready4Life Challenge (SF 50137)
Open to 11- to 18-year-olds enrolled in any Beef project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Beef 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.

BICYCLE (not eligible for state fair)

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

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

Bicycle Ready4Life Challenge (not eligible for state fair)
Open to 11- to 18-year-olds enrolled in any Bicycle project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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 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.

CAT

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
Each county may submit 1 entry from 50141

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. 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. <u>Exhibit must include printed or electronic version of at least three completed activities from the manual.</u>

- **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. 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. <u>Exhibit must include printed or electronic version of at least three completed activities from the manual.</u>

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

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

CIVIC ENGAGEMENT

Each county may submit 2 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.**

Civic Engagement 1 (SF 50145)
Exhibit a display illustrating one of the following options: 1) personal information about yourself – who you are, things you like to do, things you are good at, your favorites; 2) your feelings and how you handle these feelings; 3) your family, their responsibilities, how you work together; **OR** 4) the Family Pedigree that may include family group pages. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement 2 (SF 50146)
Exhibit a display illustrating one of the following options: 1) your neighborhood; 2) how you were a good neighbor or led a service project for your community; **OR** 3) a Citizenship Challenge that you helped organize and lead (see the project book for details). **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement 3 (SF 50147)
Exhibit a display illustrating one of the activities that you completed within your project as it relates to one of the following categories in the manual: 1) Government; 2) Business and Industry; 3) Transportation, Communication & Utilities; 4) Culture & Heritage; 5) Natural Resources & Environment; 6) Education; 7) Organizations within your community; 8) Tourism; **OR** 9) Support Systems within your community. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement Ready4Life Challenge (SF 50149)
Open to 11- to 18-year-olds enrolled in any Citizenship project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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

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

Service Learning 1 (not eligible for state fair)
Exhibit a binder portfolio to reflect the exhibitor's accomplishments in the four steps of service learning. If exhibitor has enrolled in project for multiple years, 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 (Saturday, July 24, 2020)
Each county may submit 3 STEAM entries total from 50151 a-c, 50152 a-c, 50153 a-c; 2 shopping entries from 50154, 50155, 50156; and 1 Ready4Life entry from 50157.

All exhibits entered in the clothing and textiles area will be judged based on their construction and fit (if applicable). Exhibitors bringing garments should not wear their garments when they arrive for judging The garment will be reviewed by the judges for construction first. Exhibitors will be asked to change into the garment as the second step of the judging process. If the garment was constructed for another individual, that individual must be present to wear the garment for the judge. (Only the exhibitor who made the garment is eligible for ribbon and premium.) Construction and appearance will both be considered during judging. If a pattern was used to make the item, the pattern instructions, either written or electronic, are to be included with the exhibit. Exhibit tags should be attached to the garment, not to the hanger. Members wishing to exhibit knitted items should enroll in Visual Arts Fiber (if original) or Heritage Arts (if made from a pattern). Members who enroll in Clothing & Textiles with the intent of pursuing quilting can exhibit in the non-clothing exhibit category in STEAM Clothing 1—FUNdamentals. Quilts exhibited in the Clothing & Textiles area will be judged using a rubric that evaluates the sewing skills and construction of the item. All work on the quilt MUST be completed by the 4-H member. You cannot exhibit a quilt that was quilted by someone else. Quilts can be hand OR machine quilted as long as ALL work is completed by the exhibitor.

CLOTHING: STEAM

STEAM Clothing 1 – FUNdamentals (SF 50151a, 50151b, 50151c)
Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

<u>Non-Sewn Exhibits</u> (SF 50151a) Exhibit one of the following:
- Clothing Portfolio – Complete at least three different samples/activities from Chapter 2 and/or Chapter 3 of the project manual. Examples of samples you might include: How Two Magically Become One, pages 85-86; No Fear of Fray, pages 93-95; Two Sides of the Moon, pages 97-99; On the Flip Side, pages 101-104; Basic Hand Sewing Skills, pages 106-108. The Portfolio should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – additional pages can be added each year but must be dated with the year. See pages 9-10 of project manual for portfolio formatting.
- Fabric Textile Scrapbook – Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover. See project manual, pages 42-74, for fabric options and fabric science experiments.
- What's the Difference - What's the Price Point – Exhibit may include a notebook, poster, small display sharing a project comparison and price point. See activity, pages 118-120. Exhibit should include PHOTOS; NO actual PILLOWS.

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

Sewn Non-Clothing Exhibits (SF 50151b) Exhibit one of the following:
- Pillowcase
- Simple Pillow – no larger than 18" x 18"
- Bag/Purse – no zippers or button holes
- Other non-clothing item using skills learned in project manual

Sewn Clothing Exhibits (SF 50151c) Exhibit one of the following:
- Simple top
- Simple pants, shorts, or skirt – no zipper or button holes
- Simple Dress – no zipper or button holes
- Other – other wearable item using skills learned in project manual (apron, vest, etc.)

STEAM Clothing 2 – Simply Sewing: (SF 50152a, 50152b, 50152c)
Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

Non-Sewn Exhibits (SF 50152a) Exhibit one of the following:
- Clothing Portfolio – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual. The Portfolio should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – this can be a continuation of a Portfolio created in STEAM Clothing 1. Additional pages can be added each year but must be dated with the year created. See project manual, pages 9-11 for portfolio formatting.
- Expanded Textile Science Scrapbook – Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover. See Project, pages 40-82 for fabric science experiments.
- Design Basics – Understanding Design Principles – Exhibit should include a learning experience that demonstrates the design principles and elements involved when selecting fabric for clothing and accessories. See project manual, pages 17-20 for design suggestions.
- Entrepreneurial Sewing – Exhibit should highlight items you made for sale online. Create an exhibit that displays products you made and posted online. Refer to the project manual, pages 161-167 for information on how to analyze the cost of similar purchased items to determine pricing of your products. The exhibit may be a notebook, poster or small display.

Sewn Non-Clothing Exhibits (SF 50152b) Exhibit one of the following:
- Recycled Clothing Accessory – Create a clothing accessory made from a used item. The item must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in the project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit. Clothing accessory may include: hat, bag, scarf, belt, etc.
- Non-clothing item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

Sewn Clothing Exhibits (SF 50152c) Exhibit one of the following:
- Recycled Clothing – Create a garment from used textile based items. The original used item must be redesigned (not just embellished or decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit.
- Constructed garment – Any garment with facings or curves. Should use at least one skill learned in this project and exhibitor should be able to identify the skills used. Garment should be appropriate for the age and experience of the member.

STEAM Clothing 3 – A Stitch Further: (SF 50153a, 50153b, 50153c)
Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

Non-sewn Exhibits (SF 50153a) Exhibit one of the following:
- Clothing Portfolio – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual. The Portfolio should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover, dividers, and

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

Sewn Non-Clothing Exhibit (SF 50153b) Exhibit one of the following:
- Recycled Clothing Accessory – Create a clothing accessory made from a used item. The item must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in the project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit.
- Non-clothing item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

Sewn Clothing Exhibit (SF 50153c) Exhibit one of the following:
- Recycled Clothing – Create a garment from used textile based items. The original used item must be redesigned (not just embellished or decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit.
- Constructed garment – Any garment constructed by the member which is appropriate for the age and experience of the exhibitor. Should use at least one skill learned in this project and exhibitor should be able to identify the skills used. Possible examples are wool garment, dress or jacket with set in sleeves and zipper or buttons and button holes, suites evening gown or sport outfit.

CLOTHING: SHOPPING

Exhibit one of the following options that align with the Shopping in Style level. If a garment is part of the 4-H exhibit, exhibitors should put the garment on PRIOR to their judging time. Shopping in Style: Members are encouraged to spend more than one year involved in this project so they have time to learn what clothing styles look best on them while they also gain skills in building a versatile wardrobe and staying within their budget. Each year enrolled in Shopping should build on previous year's learning experience.

Shopping in Style (SF 50154)
Beginning – Choose one of the following activities from Unit 1 or Unit 2 of the project book
- Exhibit should consist of a garment that reflects your personal style along with a poster or report that 1) explains how this garment reflects your style and how it influences what others think of you; **OR** 2) how your personal style either aligns or contradicts what is considered to be "in style" today. **OR**
- Exhibit should include a garment you purchased along with a poster or report that explains or illustrates how this garment is either 1) a modern version of a fad or fashion from an earlier decade; **OR** 2) how this garment reflects a different ethnic or cultural influence. Exhibit should include garment you purchased along with a poster or report that provides 1) a body shape discussion and how body shape influences clothing selections; **OR** 2) a color discussion that provides an overview of how different colors complement different hair colors and skin tones and how that influenced garment selection. Poster or report may include pictures from magazines, the internet or actual photos of garments. **OR**
- Exhibit should include garment you purchased along with a poster or report that 1) explains how this garment uses the principles of design lines to create an illusion to alter appearance; **OR** 2) explains how color and texture of fabrics can complement or enhance appearance. Poster or report may include pictures from magazines, the internet, or actual photos of garments.

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

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

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

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

Sewing & Textiles Ready4Life Challenge (SF 50157)
Open to 11- to 18-year-olds enrolled in any Sewing & Textiles project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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.

COLLECTIONS (Not eligible for state fair)
Collections & Hobbies General
Do you like to collect objects for a hobby? Then this is the project for you! You can develop or continue a collection that you choose, such as: tractors, matchbooks, spoons, baseball cards, etc., and exhibit them creatively at the fair. You will need to carefully label your collection and fill out your project record sheet to exhibit with your project at the fair. The collections exhibit **MUST** contain at least 1 picture of the 4-H member and his/her collection. Also write your name on the back of the exhibit in ink or marker. All collection exhibits or pictures should be mounted neatly and securely on one piece of heavy poster board not larger than **14" x 22."** All wording and lettering should be legible from at least three feet away.

Collections & Hobbies—Models (Not eligible for state fair)
MODELS, DIVISION I (10 YEARS OLD)
Snap together only (no glue or paint). Decals permitted if they come with the kit. EMPHASIS ON NEATNESS. Attach a 3 x 5 card to Exhibitor Tag with the dates and time spent on the project (do not put name on card). No display board. No larger than 8" x 4".

MODELS, DIVISION II (11 YEARS OLD)
Glued together, no paint. Decals permitted that come with kit. EMPHASIS ON NEATNESS. Attach a 3 x 5 card to Exhibitor Tag with the dates and time spent on the project (do not put name on card). No display board. No larger than 8" x 4".

MODELS, DIVISION III (12-13 YEARS OLD)
Glue and paint required. Decals permitted if they come with kit. No camouflage or minute detailing. EMPHASIS ON NEATNESS AND CONSTRUCTION. Attach a 3 x 5 card to Exhibitor Tag with the dates and time spent on the project (do not put name on card). No display board. No larger than 24" x 12".

MODELS, DIVISION IV (14-15 YEARS OLD)
No limit to detail or design or size. Interior must be painted. MUST HAVE DISPLAY BOARD no more than 2" wider or longer than model. Display board will effect judging 10%. EMPHASIS ON NEATNESS AND DETAIL OF PAINTING AND GLUING. Model should be secured to board but easily removed for judging.

MODELS, DIVISION V (16-19 YEARS OLD)
All non chrome parts painted. Metal kits permitted. No limit to detail, design or size. MUST HAVE DISPLAY BOARD no more than 2" wider or longer than model. Display board will effect judging 10%. EMPHASIS ON NEATNESS AND DETAIL OF PAINTING AND GLUING. Model should be secured to display board but easily removed for judging.

MODELS, DIORAMA (ANY AGE)
A display board no larger than 6" longer or wider than model. Story (1 page) to be shown to authenticate and explain diorama scene. Model should conform to appropriate age division.

COLLEGE & CAREER READINESS

Each county may submit 1 entry from 50365; and 1 entry from 50366.

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 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.

COMMUNICATIONS

Each county may submit 2 entries total from 50367, 50368, 50369; and 1 entry from 50370.

Communications 1 (SF 50368)

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

Communications 2 (SF 50368)
For 1st year enrolled in project: Exhibit a binder portfolio showcasing at least three activities from the project manual. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project: Include everything from earlier years' work and add section showcasing at least four additional activities per year.

Communications 3 (SF 50368)
For 1st year enrolled in project: Exhibit a binder portfolio showcasing at least three activities from the project manual. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project: Include everything from earlier years' work and add section showcasing at least four additional activities per year.

Creative Writing (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 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.

COMMUNICATIONS: PUBLIC PRESENTATIONS (Effingham Public Library – Friday, May 15)

Presentations project is required to participate in this section. 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

Each county may submit 3 entries total from 50159, 50160, 50161, 50162; and 1 entry from 50164.

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 programing flowchart, which will remain on display during the exhibition. Exhibits in this area will be judged on the computer science programming. Youth enrolled in a robotics project should choose this class if you want the exhibit to be judged on the programming of the robot. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

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 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.

CONSUMER EDUCATION
Each county may submit 2 entries total from 50168, 50169; and 1 entry from 50167.

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 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.

CROPS

Each county may submit 3 entries total from 50170, 50171, 50172, 50173; and 1 entry from 50175.

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 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

Dairy Cattle Animal Science (SF 50135)
Prepare a display focusing on any activity related to the dairy cattle project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Animal Science Dairy Cattle Ready4Life Challenge (SF 50137)
(Open to 11- to 18-year-olds enrolled in any Dairy Cattle project)
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Dairy Cattle 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.

DO YOUR OWN THING (County Project - Not eligible for state fair)
Exhibit any project you would like to show that does not fall into any other county project area.

DOG
Dog Obedience
- Beginner Novice I Class (For inexperienced handlers and inexperienced dogs)
- Beginner Novice II Class (For experienced handlers and inexperienced dogs OR experienced dogs and inexperienced handlers)
- Preferred Novice Class
- Novice Class
- Graduate Novice Class
- Preferred Open Class
- Open Class
- Graduate Open Class
- Preferred Utility Class
- Utility Class

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)

Rally Obedience
- Rally Novice Class
- Rally Intermediate Class
- Rally Advanced Class
- Rally Excellent Class

Dog Animal Science (SF 50135)
Prepare a display focusing on any activity related to the dog project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Animal Science Dog Ready4Life Challenge: (SF 50137)
Open to 11- to 18-year-olds enrolled in any Dog project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Dog 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.

ELECTRICITY

Each county may submit 3 entries total from 50177, 50178, 50179; and 1 entry from 50181.

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 reprogramed to perform a different function other than what it was designed to do
- Exhibit MUST be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.)
- Exhibits MUST include a detailed build log with instructions on how to make or build the exhibit, AND contain either a 3D rendering or detailed and labeled sketches of the device/product.

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

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

ENTOMOLOGY GENERAL
Each county may submit 2 entries total from 50183, 50184, 50185, 50186; 1 entry from Class 50187.

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

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

ENTOMOLOGY BEEKEEPING
Each county may send 2 entries total from classes 50188, 50189, 50190; and 1 entry from 50191.

- 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 r 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 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.

EXPLORATORY (*Welcome to 4-H*) (not eligible for state fair)
Youth ages 8 – 10 may exhibit a display on one of the following topics from the project book.
- windowsill gardening;
- 4-H animals;
- 4-H family; **OR**
- coat of arms

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

FASHION REVUE – (Saturday, July 24, 7:30pm, First Baptist Church, Effingham)
(not eligible for State Fair)
Fashion Revue: Exhibitors in this class may be enrolled in any of the following projects: STEAM Sewing 1-3, Shopping in Style, and/or Visual Arts: Knitted garments. Modeled items must be garments constructed or purchased by the exhibitor and must be worn by the exhibitor. Pillows or other non-garment items are not appropriate for Fashion Review. Exhibitors will be responsible for writing their narration. Bring your narrations to the Fashion Revue.

FAMILY HERITAGE
Each county may submit 1 entry from 50197; and 1 entry from 50199.

Family Heritage (SF 50197)
Prepare an exhibit of items, pictures, maps, charts, slides/tapes, drawings, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history. Please note: Exhibits are entered at 4-H'ers own risk. 4-H is not responsible for loss or damage to family heirloom items or any items in this division. Displays should not be larger than 22" x 28" wide. If the size needs to be a different size because the historical item is larger than 22'x28" please contact the superintendents for approval.

Family Heritage Ready4Life Challenge (SF 50199)
Open to 11- to 18-year-olds enrolled in any 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.

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 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.

FOODS & NUTRITION – (Saturday, July 24, from 5:30-7pm at First Baptist Church, Effingham)

Each county may submit 7 entries total from any of these food classes: 50200, 50201, 50202, 50203, 50204, 50206, 50208, 50211; and 1 entry from 50210.

4-H Cooking 101 (SF 50200)

Using the recipes included in the project manual, prepare an exhibit of 3 cereal marshmallow bars; **OR** ¼ of 8" square or round coffeecake; **OR** 3 cookies. No icing should be on any products. If you make changes to the recipe, bring a copy of the recipe with your changes. Bars, coffeecake, or cookies should be displayed on a disposable plate placed in a zip-sealing plastic bag. *In addition to your food exhibit*, complete the *What's on Your Plate? Activity* on pages 10-11 in the 4-H Cooking 101 project manual. Bring a document with printed pictures of your 3 or more plates and the answers to questions 1-7 to remain on display with your project. The words on the plates must be legible and clearly visible in the picture. Pictures, graphics or photos are acceptable.

4-H Cooking 201 (SF 50201)

Using the recipes included in the project manual, prepare an exhibit of 3 cheese muffins; **OR** 3 scones; **OR** ½ loaf (9" x 5") of basic nut bread. If you make changes to the recipe, bring a copy of the recipe with your changes. Bread, muffins, or scones should be displayed on a disposable plate placed in a zip-sealing plastic bag. *In addition to your food exhibit*, complete *Experiment with Meal Planning Activity* on page 91 in the 4-H Cooking 201 project manual. Bring either page 91 with your completed answers or a document with the answers to remain on display with your project along with a picture of the meal you prepared. You do **not** need to complete the Challenge Yourself section on page 91.

4-H Cooking 301 (SF 50202)

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

4-H Cooking 401 (SF 50203)

Using the recipes included in the project manual, prepare an exhibit of ¼ of a 15" x 10" loaf of focaccia bread (do not include dipping oil); **OR** one baked pie shell – traditional, oil, or whole wheat (no graham cracker); **OR** ¼ Golden Sponge Cake, top side up, without frosting; **OR** ½ loaf French Bread. If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate and place in a zip-sealing plastic bag. *In addition to your food exhibit*, pick one of the recipes from Cooking 401 that is not a choice for exhibit. Make the recipe and take a picture of the results. Bring a document with a printed picture of the food you made from the recipe and the answers to the following two questions: 1.) If you made this recipe again, what would you do differently? 2.) What did you learn that can help you in other ways besides preparing food?

Food Science 1 (SF 50204)

Prepare a display, digital presentation, or poster on one of the food science experiments from the manual that you completed. Share 1) the food science question you investigated; 2) process used to conduct the experiment; 3) results and

observations; 4) what you learned; and 5) how you have applied this information. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display during the exhibit period.

Food Science 2 (SF 50204)
Prepare a display, digital presentation, or poster on one of the food science experiments from the manual that you completed. Share 1) the food science question you investigated; 2) process used to conduct the experiment; 3) results and observations; 4) what you learned; and 5) how you have applied this information. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display during the exhibit period.

Food Science 3 (SF 50204)
Prepare a display, digital presentation, or poster on one of the food science experiments from the manual that you completed. Share 1) the food science question you investigated; 2) process used to conduct the experiment; 3) results and observations; 4) what you learned; and 5) how you have applied this information. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display during the exhibit period.

Food Science 4 (SF 50204)
Prepare a display, digital presentation, or poster on one of the food science experiments from the manual that you completed. Share 1) the food science question you investigated; 2) process used to conduct the experiment; 3) results and observations; 4) what you learned; and 5) how you have applied this information. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display during the exhibit period.

Sports Nutrition (SF 50206)
Prepare a display, digital presentation, or poster on one of the activity chapters in the manual that you completed. The activity chapters are listed by page number in the table of contents. Your exhibit should include, at minimum, information on one physical fitness component and one food/recipe component from the activity chapter. The exhibit should include the project manual with the pages of the activity completed. You may also include live demonstration of physical activities. Do not bring food made using the recipes, but consider adding pictures of the completed recipes to your exhibit. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display during the exhibit period.

> Examples for Activity 1
> Example A: Make a video of yourself practicing flexibility, strength and endurance physical fitness activities and making pasta salad with different vegetable, pasta and dressing ideas. Bring a 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 or web.extension.illinois.edu/foodpreservation/ Recipes must be processed in a water-bath or pressure canner.

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

Examples:
- Strawberry jam, boiling water bath. July 13, 2017.
- Green beans, pressure canner. July 13, 2017.
- Beef jerky, food dehydrator and oven. July 13, 2017

All food exhibits must be accompanied with the recipe(s) – typed or written, with the source of the recipe(s) listed..
Required Recipes and Sources for Food Preservation Exhibits – all food preservation recipes be from an approved source. Those sources are:
- *PUT IT UP! Food Preservation for Youth* manuals
- U.S. Department of Agriculture (USDA)
- National Center for Home Food Preservation
- Ball/Kerr Canning (recipes after 1985)
- Mrs. Wages

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

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

Foods Innovation Class (SF 50211)
Open to youth enrolled in any Foods project.
Demonstrate the skills and knowledge you have gained through the project. The exhibit may include, but isn't limited to, original recipes, results of experiments not in the foods project books, variations on recipes or experimenting with unique cooking or baking methods. Your work can be displayed by a food product, demonstrations, digital presentations, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. If you bring a food product, the food will NOT be tasted.

Foods Nutrition Ready4Life Challenge (SF 50210)
Open to 11- to 18-year-olds enrolled in any Foods project
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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 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.

FORESTRY
Each county may submit 1 entry total from 50212, 50213, 50214; and 1 entry from 50216.

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 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.

GEOLOGY

Each county may submit 3 entries total from 50218, 50219, 50220, 50221, 50222; and 1 entry from 50224.
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.

GOATS
Goat Animal Science (SF 50135)
Prepare a display focusing on any activity related to the goat project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Animal Science Goats Ready4Life Challenge (SF 50137)
Open to 11- to 18-year-olds enrolled in any Goat project
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Goats 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
Each county may submit 3 entries total from 50226, 50227, 50228, 50229; and 1 entry from 50231.

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 items 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 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.

HORSE

Horse Animal Science (SF 50135)
Prepare a display focusing on any activity related to the horse project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Animal Science Horse Ready4Life Challenge (SF 50137)
Open to 11- to 18-year-olds enrolled in any Horse project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Horse 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.

HORTICULTURE: FLORICULTURE

Each county may submit 3 entries total from 50192, 50193, 50194, 50195, 50196; and 1 entry from 50198.

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

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

HORTICULTURE: VEGETABLE GARDENING

Each county may submit 3 entries total for 50314, 50315, 50316; and 1 entry for 50318.
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)
Beans, Snap, Green Pod or Golden Wax (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)
Greens (collard, endive, escarole, kale, mustard, spinach, Swiss chard) (1 plant)
Horseradish Root (1 marketable root specimen harvested this year)
Kohlrabi (5)
Lettuce (1 head or plant)
Muskmelon incl. cantaloupe (1)
Okra (12)

Onions, large, dry (5)
Onions, green or set (12)
Parsnips (5)
Peas, (12 pods)
Peppers, large fruited (bell/banana) (5)
Peppers, small fruited (chili/cherry) (12)
Popcorn (5)
Potatoes (any variety) (5)
Pumpkin (1)
Rhubarb, trimmed stalks (3)
Rutabaga (5)
Salsify (5)
Squash, summer (any variety) (3)
Squash, winter (Acorn, butternut, buttercup, spaghetti) Hubbard, Turks's Turban) (1)
Sweet Corn, in husks (5)
Tomatoes, slicing (5)
Tomatoes, small fruited (12)
Turnip (5)
Watermelon (1)

Vegetable Garden 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 Vpersonal 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 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.

INTERCULTURAL
Each county may submit 1 individual entry from 50233; 1 individual entry from 50234; 1 individual entry from 50236; 1 club entry from 50235. **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 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.

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
Each county may submit 2 entries total from 50242, 50243, 50244, 50245; and 1 entry from 50247.

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 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
Each county may submit 3 entries total from 50249, 50250, 50251, 50252; 2 entries from 50254; 1 entry from 50255.

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. 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
Each county may submit 3 entries from 50256, 50257, 50258, 50259; 1 entry from 50267.

Electricity and water are NOT available for these displays.

NO live animals or reptiles are permitted in these exhibits.

Natural Resources 1 (SF 50256)
Exhibit any item developed from the project book, *Step Into Nature.*

Natural Resources 2 (SF 50257)
Exhibit any item developed from the project book, *Explore the Natural World*.

Natural Resources 3 (SF 50258)
Exhibit any item developed from the project book, *Blaze the Trail.*

Outdoor Adventures 1: (SF 50259)
Exhibit a display illustrating an activity completed from the project manual.

Outdoor Adventures 2 (SF 50259)
Exhibit a display illustrating an activity completed from the project manual.

Outdoor Adventures 3 (SF 50259)
Exhibit a display illustrating an activity completed from the project manual.

Natural Resources Ready4Life Challenge (SF 50267)
Open to 11- to 18-year-olds enrolled in any Natural Resources and Outdoor Adventures project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

NATURE: FISHING AND WILDLIFE

Each county may submit 3 entries total from 50260, 50261, 50262, 50266, 50263, 50265; and 1 entry from 50291.

Sportsfishing 1 (SF 50260)
Exhibit a product or display made to complete an activity in the *Take the Bait* project manual. This could include, but is not limited to, displays on: different types of fishing tackle, identifying different baits and their uses (no actual bait, please) or identifying the anatomy of a fish. For safety reasons, lures must be placed in a plastic case.

Sportsfishing 2 (SF 50261)
Exhibit a product or display made to complete an activity in the *Reel in the Fun* project manual. This could include, but is not limited to, displays on: different types of knots or rigs and their use; a collection of fishing lures, labeled with their use; or information on preparing & cooking fish (not recipes). For safety reasons, lures must be placed in a plastic case.

Sportsfishing 3 (SF 50262)
Exhibit a product or display made to complete an activity in the *Cast into the Future* project manual. This could include, but is not limited to, displays on: making artificial flies and lures; researching effects of water temperature; sportsfishing careers; or identifying insects that fish eat. For safety reasons, lures must be placed in a plastic case.

Wildlife 1 (SF 50266)
Exhibit any activity developed from the project manual. Be able to explain the importance of and concept behind the exhibit.

Wildlife 2 (SF 50263)
Exhibit any activity developed from the project manual. (Ex. Create a display of the life history of an animal.) Within the exhibit, explain the importance of and concept behind the exhibit.

Wildlife 3 (SF 50265)
Exhibit any activity developed from the project manual. Be able to explain the importance of and concept behind the exhibit.

Fishing & Wildlife Ready4Life Challenge (SF 50291)
Open to 11- to 18-year-olds enrolled in any Fishing or Wildlife project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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 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.

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

Each county may submit 3 entries total from 50268, 50269, 50270, 50271, 50272; and 1 entry from 50274.

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

ALL photos (including Photo Editing exhibits) must be accompanied by details of the camera settings that include:
   a.   Camera/device used
   b.   Aperture (F-stop)
   c.   Exposure time (shutter speed)
   d.   ISO (film/sensor sensitivity)
   e.   Lighting used (flash, artificial, sunlight, other)
   f.   Photo editing software/application used (required for ALL edits and retouches except for cropping)
   g.   Filters used (lens filters and or digital/software filters)

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

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

All exhibitors must include unframed (taped to the back of the framed exhibit or attached to the project booklet) **un-edited** versions of either the same subject or the examples of the same technique that the framed image represents. This will assist the judge in understanding the choices made by the photographer to build the exhibited composition.
NOTE: Images taken with devices that apply an automatic filter will not be eligible for award.

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 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.

PLANTS & SOILS

Plants & Soils 1 (not eligible for state fair)
Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of environmental and internal factors that affect plant growth. 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 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.

POULTRY

Poultry Animal Science (SF 50135)
Prepare a display focusing on any activity related to the poultry project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed

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

Animal Science Poultry Ready4Life Challenge (SF 50137)
Open to 11- to 18-year-olds enrolled in any Poultry project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Poultry 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.

RABBITS

Rabbit Animal Science (SF 50135)
Prepare a display focusing on any activity related to the rabbit project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.
Animal Science Rabbits Ready4Life Challenge (SF 50137)
Open to 11- to 18-year-olds enrolled in any Rabbit project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Rabbits 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.

ROBOTICS
Each county may submit 3 entries total from 50285, 50286, 50288, 50289, 50292; and 1 from 50293 to the State Fair.

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 programed using a coding language that is publicly available. Exhibitors in Robotics Innovation/Open Source class must bring a detailed engineering notebook that describes how the exhibitor designed, built and programmed the exhibit.

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

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 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.

SHEEP

Sheep Animal Science (SF 50135)
Prepare a display focusing on any activity related to the sheep project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed

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

Animal Science Sheep Ready4Life Challenge (SF 50137)
Open to 11- to 18-year-olds enrolled in any Sheep project
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Sheep 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.

SHOOTING SPORTS
Each county may submit 2 entries total from 50401, 50402, 50403, 50404, 50405; and 1 from 50406.

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 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.

SMALL ENGINES
Each county may submit 1 entry total for 50294; and 1 entry for 50297.

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

Small Engines 1 (SF 50294)
Exhibit a display, selecting one of the following items:
- **Ignition System**: Identify the parts of the Ignition System and explain how magnetic energy is produced through the ignition system to ignite the spark plug; **OR**
- **Compression System**: Explain how heat energy is produced by an engine and converted into mechanical energy; **OR**
- **Heat Transfer**: Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine; **OR**

- **Filter Maintenance**: Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine; **OR**
- **What does a serial number reveal**?: Explain the various information that can be learned from the serial number or identification number stamped on the shroud of a Briggs & Stratton engine; **OR**
- **Tools to do the job**: Identify and explain the function(s) of different specialty tools needed for small engine work; **OR**
- **Experimentation**: Explain through illustration an experiment you conducted from the project manual showing the results of your work.

Small Engines 2 (SF 50294)
Exhibit a display, selecting one of the following items:
- **Ignition System**: Identify the parts of the Ignition System and explain how magnetic energy is produced through the ignition system to ignite the spark plug; **OR**
- **Compression System**: Explain how heat energy is produced by an engine and converted into mechanical energy; **OR**
- **Heat Transfer**: Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine; **OR**
- **Filter Maintenance**: Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine; **OR**
- **What does a serial number reveal**?: Explain the various information that can be learned from the serial number or identification number stamped on the shroud of a Briggs & Stratton engine; **OR**
- **Tools to do the job**: Identify and explain the function(s) of different specialty tools needed for small engine work; **OR**
- **Experimentation**: Explain through illustration an experiment you conducted from the project manual showing the results of your work.

Small Engines 3 (SF 50294)
Exhibit a display, selecting one of the following items:
- **Ignition System**: Identify the parts of the Ignition System and explain how magnetic energy is produced through the ignition system to ignite the spark plug; **OR**
- **Compression System**: Explain how heat energy is produced by an engine and converted into mechanical energy; **OR**
- **Heat Transfer**: Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine; **OR**
- **Filter Maintenance**: Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine; **OR**
- **What does a serial number reveal**?: Explain the various information that can be learned from the serial number or identification number stamped on the shroud of a Briggs & Stratton engine; **OR**
- **Tools to do the job**: Identify and explain the function(s) of different specialty tools needed for small engine work; **OR**
- **Experimentation**: Explain through illustration an experiment you conducted from the project manual showing the results of your work.

Small Engines Ready4Life Challenge (SF 50297)
Open to 11- to 18-year-olds enrolled in any Small Engines project,
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Small 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 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.

SMALL PETS

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 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.

SWINE

Swine Animal Science (SF 50135)
Prepare a display focusing on any activity related to the swine project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Animal Science Swine Ready4Life Challenge (SF 50137)
Open to 11- to 18-year-olds enrolled in any Swine project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Swine 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.

TECHNOLOGIES

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

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

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

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

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

Exhibitors are expected to go above and beyond those expectations set in 3-D design beginner. No 3-D Printer or 3-D printed object is required for this exhibit. Exhibit a complex 3-D rendered design using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The design must be an object that performs a specific task, and may not be based on already existing 3-D models. It must be able to be 3-D printed. Any CAD software can be used, but files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging. Exhibits in this class MUST not have multiple parts, doors, hinges or some sort of mechanistic feature to accomplish a specific task.

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

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

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

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

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 COMMERCIALLY AVAILABLE HOME/DESKTOP 3-D PRINTER. In addition, original design files must accompany each exhibit. These files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging.

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

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

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 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.

THEATRE ARTS
Each county may 3 entries total for 50299, 50301, 50302; and 1 entry for 50304.

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 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.

TRACTOR
Each county may submit 2 entries total for 50306, 50307, 50308, 50309, 50310; and 1 entry for 50312.

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.

TRACTOR DRIVING CONTEST (County Only Project)
Tractor Driving Contest will take place on Saturday, August 1, at 10:30am, Southeast of the 4-H Livestock Barns in the parking lot at the fairgrounds, Altamont, IL 62411. Registration required.
Open only to members presently enrolled in Effingham county Tractor School during current year **OR** members who have completed Tractor School and are presently serving as Junior Leaders.

JUNIOR TRACTOR DRIVING CONTEST
For 8 - 13 and first year tractor members, 4-H members will drive garden tractor.

TWO WHEEL DRIVING CONTEST
For 14 & up tractor members, 4-H members will drive tractor pulling TWO wheel wagon.

FOUR WHEEL DRIVING CONTEST
For 14 & up tractor members, 4-H members will drive tractor pulling FOUR wheel wagon.

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
Each county may submit 1 entry total from 50320; and 1 entry from 50322.

Veterinary Science 1 (SF 50320)
Prepare a display focusing on any activity related to the veterinary science project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Veterinary Science 2 (SF 50320)
Prepare a display focusing on any activity related to the veterinary science project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Veterinary Science 3 (SF 50320)
Prepare a display focusing on any activity related to the veterinary science project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects.

Veterinary Science Ready4Life Challenge (SF 50322)
Open to 11- to 18-year-olds enrolled in any Veterinary Science project
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate

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

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

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

VIDEO/FILMMAKING
Each county may submit 3 entries total from 50324, 50325, 50326, 50327, 50328; and 1 entry from 50330. 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 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.

VISUAL ARTS (Food Decorating will be exhibited on Foods Show Day)
Each county may submit one entry from these projects:
- Food Decorating (1 total from 50332, 50333, 50334, 50335)
- Chalk/Carbon/Pigment on wood, metal or textiles (Division B) 50352
- Clay 50337
- Computer-Generated Art 50338
- Fiber 50339
- Fiber Non-Original Ages 8-10 Only 50350
- Glass/Plastic 50340
- Heritage Arts 50341
- Leather 50321
- Metal 50342

- Nature 50343
- Paper 50344
- Scrapbooking (1 total from 50345, 50346, 50347)
- Three-Dimensional Design/Mixed Media 50348
- Wood 50349
- Ready4Life 50351

Each county may submit two entries from Chalk/Carbon/Pigment on canvas, paper or glass (Division A) 50336

Exhibitors must be enrolled in the Visual Arts project category in which they are exhibiting. Exhibitors are encouraged to date the project when it is made. All visual arts exhibits are evaluated using a visual arts rubric which takes into account correct use of design elements; craftsmanship; and creativity.

Articles exhibited must be an original design created by the exhibitor (except in heritage arts which may follow a pattern AND Fiber-Non Original Ages 8-10 ONLY). Copyrighted or trademarked designs are not acceptable; this includes Team or School logos. Kits and preformed molds are not considered original and are not acceptable in any Visual Arts Class. Combining parts of different patterns (pictures, photographs, images from the internet or a magazine) with the member's own ideas can result in an original design, but simply changing the color, pattern and/or size of a pattern does NOT make the design original. This also applies for ideas found on a site such as Pinterest. If you see something on Pinterest that you like, use the concept and create something different using the concept; however 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.

Members wishing to exhibit quilts made from a pattern may enter it in Heritage Arts. Quilts exhibited in the Visual Arts – Heritage Arts area will be evaluated using a visual arts rubric which takes into account correct use of design elements; craftsmanship; and creativity. All work on the quilt MUST be completed by the 4-H member. You cannot exhibit a quilt that was quilted by someone else.

Visual Arts Food Decorating Beginning (SF 50332) **Food Decorating will be exhibited on Foods Show Day**
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.

Visual Arts Chalk/Carbon/Pigment: Enter the division based on the type of material on which the art was created.
Division A: Canvas, Paper, Glass: (SF 50336)
Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc. on canvas, paper, or glass. This would include all painting, sketching, drawing, cartooning, printing, etc. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for State Fair exhibit. Drawings and paintings should be matted or framed under glass. (Exceptions: Oil and acrylic paintings do not require glass and are not required to be matted.) Water color, chalk, pen & ink, computer-generated art, etc. do require some protective covering. Gallery frames are acceptable. Canvas paintings that continue "over the edges" are acceptable without frames; however, the piece must still be prepared for hanging. Matted pieces without frames are acceptable, however the piece must be prepared for hanging OR it must include a photo of the artwork being displayed in a non-hanging manner. There is no specific requirement for the type of mat used.

Division B: Wood, Metal, Textiles: (SF 50352)
Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc., on wood, metal, or textiles. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for State Fair exhibit. Any exhibits created as a piece of wall art must be prepared for hanging.

Visual Arts Clay: (SF 50337)
Any original item made of clay; may be fired or unfired, hand formed or thrown on a wheel. Self-hardening clays are fine. Fire/oven-cured and cornstarch clay could be accepted. Items can include, but are not limited to, clay statues, bowls, jewelry, etc. Pre-formed ceramics are not eligible for State Fair exhibit.

Visual Arts Computer-Generated Art: (SF 50338)
Any original art created in any software package. Exhibit may not include scanned work, clip art, downloaded images from the internet, any imported image, or photographs. All pixels must be original. Photo mosaics are NOT allowed. Exhibitors in this class (like all other classes in this sub-section) must be enrolled in Visual Arts; Computer project enrollment is not required. NOTE: Wood and metal exhibits created through the use of laser cutting programs/devices should be entered in this class. Plastic exhibits with an artistic focus created using a 3-D printer should be entered in this class. If the art created is designed to hang, then the entry should have some protective covering, such as a glass frame, and prepared for hanging. If the art is something that has been created with a laser cutting program/device and is NOT designed to hand, it does not require protective covering nor does it need to be prepared to hang.

Visual Arts Fiber: (SF 50339)
Any original item made of fiber. Examples are quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, wearable art, hooking, braiding, duct tape artistry, and baskets. **Original** cross-stitched, knitted, crocheted or quilted items belong in this Fiber class. **Non-original** cross-stitched, knitted, crocheted or quilted items should be entered in Heritage Arts. Machine knitted items are not appropriate for this class.

Visual Arts Fiber Non-Original AGES 8-10 ONLY: (SF 50350)
Any non-original item made of fiber. Examples are fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, crocheting, knitting, weaving, hooking, and felting. Exhibitors may use a pattern and/or an idea generated from another source.

Visual Arts Glass/Plastic: (SF 50340)
Any original item made of glass or plastic. Possible items to exhibit include stained glass, etched glass (original design), mosaics made of glass, glass beading, plastic jewelry (friendly plastic). Interlocking building block creations (i.e. LEGOS) are not suitable for State Fair entry. Stepping stones or wall hangings that include cement decorated with glass or plastic items are not suitable for this class.

Visual Arts Heritage Arts: (SF 50341)
Exhibit an item of *traditional* art learned from another person or **from a pattern** (NO KITS) may be entered in this class. Non-original cross-stitched, knitted and crocheted items by pattern fit in this class. ALL ORIGINAL cross-stitched, knitted and crocheted items should be exhibited in Fiber Arts; (machine knitted items ARE NOT acceptable for this class.) Other

possibilities include: needlepoint, counted cross-stitch, crewel, embroidery, cut work, hardanger (embroidery openwork), macramé, baskets, candles, pysanki (decorated eggs), leather, quilts, baskets (made using a traditional pattern), traditional handmade dolls with handmade costumes, or candles. No machine quilting allowed in Heritage Arts. Exhibitors must also bring 1) the pattern or a copy of the pattern they used to create their traditional art; and 2) a description of the traditional origins of their art choice.

Visual Arts Leather: (SF 50321)
Exhibit one of the following options using leather.
- Leather: Stamping: Exhibit should utilize one or more stamping techniques – exhibit examples include items such as belt; coasters; bookmark; key chain; wrist bracelet.
- Leather: Carving or Tooling: Exhibit should use simple swivel knife tooling techniques or may incorporate several swivel knife-tooling designs or patterns – exhibit examples include items such as belt; pictorial carving; key case.
- Leather: Lacing: Exhibit to include stamping and/or carving techniques incorporated with lacing techniques – exhibit examples include items such as wallets; purses; etc.
- Leather: Stitching: Exhibit may include stamping; carving and/or lacing techniques and should be a leather item or article of apparel, which incorporates hand-sewing techniques.

Visual Arts Metal: (SF 50342)
Any original item made of metal such as sculpture, tin punch, engraved metal, and jewelry. Items intended for industrial use (as tools and/or shop items) are not considered part of this Visual Arts project and are not eligible for entry. Metal items that have been partially or totally created through the use of laser cutting programs/devices should be entered in Computer-Generated Art.

Visual Arts Nature: (SF 50343)
Any original item made of natural material such as wreaths, cornhusk dolls, etc. Items should be made of natural materials (which may be purchased) but securing elements such as glue and wire may be used in the inner construction as long as they do not detract from the overall "natural" appearance. Articles such as dried pressed flowers may be displayed under glass since it is necessary for protection/preservation of the natural materials. Candles are not suitable as entries. All baskets should be entered in Heritage Arts.

Visual Arts Paper: (SF 50344)
Any original item made of paper. Examples could include origami; greeting cards; paper-cut designs, paper mache, hand-made paper, paper collage, paper models of architecture, quilling, etc. Paper twist articles, made from directions in craft books and stores ARE NOT original and are not appropriate for this class. Scrapbooks should be exhibited in Visual Arts Scrapbooking.

Visual Arts Scrapbooking, Beginning: (SF 50345)
Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), exhibited in page protectors. "Embellishments" are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Beginners must use a minimum of four embellishments and tell a story with pictures.

Visual Arts Scrapbooking, Intermediate: (SF 50346)
Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), exhibited in page protectors. "Embellishments" are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Intermediate level exhibitors must use a minimum of eight embellishments and tell a story with pictures and journaling.

Visual Arts Scrapbooking, Advanced: (SF 50347)
Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), exhibited in page protectors. "Embellishments" are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc. Advance level exhibitors must use a minimum of 12 embellishments and tell a compelling story with pictures, journaling, and other media.

Visual Arts Three-Dimensional Design/Mixed Media: (SF 50348)
Art pieces in this class must be comprised of **at least three different media**. No one medium can make up more than 40% of a piece. The piece should **be either freestanding or should be prepared to be hung**. It must be observable on at least three different sides. Originality and design are important concepts. Craft and preformed or assembled projects are not acceptable.

Visual Arts Wood: (SF 50349)
Any original item made of wood (wood carving, sculpture, collage, wood burning, etc.). Utilitarian wood items made from patterns or kits (e.g. outdoor or indoor furniture, shelves) should be entered in woodworking, not in visual arts. Popsicle stick crafts are not acceptable for State Fair entry. Wood items that have been partially or totally created through the use of laser cutting programs/devices should be entered in Computer-Generated Art. All Visual Arts Wood exhibits MUST have an artistic element that the exhibitor can explain. Furniture built by the exhibitor aligns with the Woodworking project area – unless the element to be judged is wood carving or wood burning that is one element of the exhibit. Exhibits will be judged using a Visual Arts Rubric and not a woodworking construction rubric.

Visual Arts Ready4Life Challenge: (SF 50351   )
Open to 11- to 18-year-olds enrolled in any Visual Arts project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Visual Arts Maker (SF 50400)
Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.
Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

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

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

WEATHER
Each county may submit 1 entry total 50392, 50393, 50394; and 1 entry from 50395.

Weather and Climate Science I (SF 50392)
Exhibit any product or display illustrating an activity from the book. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Weather and Climate Science 2 (SF 50393)
Exhibit any product or display illustrating an activity from the book. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Weather and Climate Science 3 (SF 50394)
Exhibit any product or display illustrating an activity from the book. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Weather Ready4Life Challenge (SF 50395)
Open to 11- to 18-year-olds enrolled in any Weather and Climate project.
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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

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

WELDING
Each county may submit 2 entries total from 50353; and 1 entry from 50355.

Welding (SF 50353)
This exhibit class is open to members who are in the 7th grade and higher. Exhibit one Arc weldment/item demonstrating the skill level of the exhibitor. Members new to the project should consider selecting a weldment from the suggested _Weldment List_ found on page 43 of _Arcs and Sparks_ (4-H 573 – Shielded Metal Arc Welding). **This class is for industrial welding only.** (Members that wish to use welding to create objects with an artistic appeal should consider enrolling in the 4-H Visual Arts project and consider entering those types of exhibits in the Visual Arts – Metal class.) Exhibits must be portable and cannot be exhibited on a trailer.

Welding Ready4Life Challenge (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
Each county may submit 2 entries total from 50357, 50358, 50359, 50360; and 1 entry from 50362.

Woodworking 1 (SF 50357)
Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable. Exhibits must be portable and cannot be exhibited on a trailer.

Woodworking 2 (SF 50358)
Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable. Exhibits must be portable, and cannot be exhibited on a trailer.

Woodworking 3 (SF 50359)
Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable. Exhibits must be portable, and cannot be exhibited on a trailer.

Woodworking 4 (SF 50360)
Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable. Exhibits must be portable, and cannot be exhibited on a trailer.

Woodworking Ready4Life Challenge (SF 50362)
Open to 11- to 18-year-olds enrolled in any Woodworking project
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

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

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

4-H Livestock Project and Exhibit Rules

The following rules will help you have a successful 4-H Show. Please read these general rules as well as the rules for your animal species. Call the Extension office or livestock superintendent if you have any questions or concerns.

GENERAL LIVESTOCK OWNERSHIP AND EXHIBIT RULES

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. No entry fee or pen rent will be charged in this department, but should any 4-H member wish to show in the Junior Show, you will need to register through the Effingham County Fair Junior Show Secretary, P.O. Box 212, Altamont, IL 62411 by July 15. The 4-H office is not responsible for making Junior Show entries.

4. All animals exhibited must have been owned and personally cared for by the exhibitor from the required starting date until the time of the exhibit.

5. Exhibitors showing livestock should read carefully the Illinois State Health Requirements on beef, dairy, sheep, swine, horses, dogs, cats, etc. 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 will be found online @ https://4h.extension.illinois.edu/programs/animal-sciences/livestock-issues. The 2020 State and County livestock exhibition requirements can be found @ https://www2.illinois.gov/sites/agr/Animals/AnimalHealth/Pages/fair-exhibition-requirements.aspx.

6. All Exhibitors must submit pictures of your market animals to the Extension Office no later than **one week after ownership deadline**. These photos must include identification of any unique markings such as scars spots, etc. Failure to comply will result in that market animal being   ineligible for exhibition.

7. Exhibitors showing animals in the **purebred classes** must produce registration papers. If registration papers are not available, exhibitor will be excused from showing.

8. An exhibitor may make two entries in each class (livestock only) but premium money will be paid on only one entry.

9. Any 4-H member who must be absent from the fair or exhibit days due to a conflict with another related 4-H activity can have his/her project exhibited by another Effingham County 4-H member.

10. Each exhibitor must furnish his/her own feed, feeding and watering equipment.

11. No blocking chutes in in the **Swine, Sheep and Cattle Barns**.

12. A grievance procedure is outlined in the front of this handbook. The grievance committee will meet to discuss and decide solutions to problems. The committee includes: Greg Esker, Dana Grupe, Jennifer Hecht, Matthew Hornbostel, Ben Kemme, Amanda Kemme, Alan Kollmann, Michele Kreke, Brandon Laue, Donna Loy, Cindy Mathis, Roberta Phillips, Erin Pontious, Trish Purcell, JoAnn Ring, Ryan Siemer, Brock Vonderheide, Robbie Walk, Janet Willenborg, Abigail Wolff, and Lynn Wolff.

13. Showmanship Classes
    * Showmanship classes may be held at the beginning or end of the livestock exhibit days. The decision will be left to the discretion of the individual superintendents.
    * There is no Dairy Steer Showmanship.
    * Champion trophies, ribbons and reserve champion ribbons will be given in each class.
    * Exhibitor may only participate in showmanship in the project in which they are enrolled and exhibiting.
    * Showmanship classes will be determined the day of exhibition.

14. No washing of animals during other shows near show ring.

15. Members participating in Showmanship Classes must use a breed of animal eligible for those classes. Example: a "beef breed" animal for the beef showmanship, a "dairy breed" for the dairy showmanship, etc.

16. Check-in times for 4-H shows are NOT the same time as the Effingham County Jr. Show. Be sure to read each fair book to find correct time for check in times. 4-H animals are released once the 4-H show is over.

17. Weighing
    * The weighing of market barrows will determine the weight class
    * The weight of crossbred gilts will determine the weight class for exhibition.

18. Each exhibitor must be responsible for getting his/her market animal (steer, barrow, sheep and dairy goat wether) weighed at the designated time.

19. Only "A's" will receive Grand Champion ribbons.

20. **BE READY TO EXHIBIT WHEN YOUR CLASS IS CALLED.**

21. Exhibit helpers are always needed for all exhibitions. However, if you wish to help hand out ribbons & trophies or help out during an Exhibit Day, please wear appropriate attire for your safety. If you are unsure if something is appropriate for the Exhibit Day, contact the superintendent or the Extension Office.

22. **QA&E** - To participate in a 4-H animal project, a 4-H member must complete the online quality assurance and ethics certification provided by the Illinois 4-H office. The website may be accessed at: http://web.extension.illinois.edu/qaec/ . The certification has been developed to review what is expected of youth caring for animals. A 4-H member need only complete the certification one time during their 4-H career. A 4-H member who has already taken the certification and is already on file at the Extension office does not need to re-take the certification. A 4-H member is only required to take the certification in one of the species, regardless of how many animal projects they are enrolled. The deadline to complete the certification in Effingham County is July 1.
    NOTE: Youth must be logged onto a computer for this program, either a desktop or laptop; not an iPad or iPhone- the program cannot capture the information for county staff to see when it is completed using iPads or iPhones.

23. **YQCA** - The YQCA is a new livestock quality assurance program that is replacing PQA which no longer exists. It also replaces the Quality Assurance & Ethics (QAEC) program for youth in the following species; dairy cattle, beef cattle, swine, sheep, and goats. All 4-H exhibitors of these animals will be required to certify in the YQCA program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website 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 annual 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. Check with the Effingham County 4-H Office for specific scheduled face-to-face training dates.

24. All swine must be checked by a veterinarian by June 10. The health paper number must be included on the 4-H show entry form.

25. Storage area is limited in the barns, therefore, superintendents have authority to request members move their gear if space is needed for the safe stalling and care of animals

26. Animals are subject to removal from the fairgrounds for the appearance of contagious disease at the discretion of the livestock superintendents.

27. The decision of the Judge is *FINAL*!

INDIVIDUAL LIVESTOCK EXHIBITS

BEEF CATTLE RULES AND EXHIBIT CLASSES
Beef & Dairy Steers Exhibition

      Check-in by 5 p.m., Friday, July 31
      Weigh-in @ 7:30 p.m., Friday, July 31 at the scales
      Beef Show @ Noon, Sunday August 2
      Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont, IL
BRANDON LAUE - SUPERINTENDENT
 - You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

All animals exhibited must have met "State Health Regulations Governing Livestock Exhibited at Illinois Fairs." A copy of those rules is included in this handbook.

1.   The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2.   **New Policy Procedures for 2020:**

    * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

    * Exhibitors wishing to show Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

    * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

    * Swine exhibitors will need to produce ear notches and tag #'s.

3.   All steers must be owned by the exhibitor by February 1 of the current year.
    All other cattle must be owned by the exhibitor by June 1.

4.   All health papers are to be turned in to the Beef Superintendent by 9am on Saturday.
    REGISTRATION PAPERS WILL BE CHECKED SATURDAY FOR CORRECT OWNERSHIP ON ALL BREEDING ANIMALS.

5.   Exhibitors showing animals in the purebred classes must produce registration papers. If registration papers are not available, exhibitor will be excused from showing.

6.   Rate-of-Gain Contest – **Steers will be tattooed and weighed Feb. 1**. Steer weights will be taken again at the fair and an average taken. The contest will be judged 100% rate-of-gain.

7. A beef steer must be calved in the calendar year of 2019. In case there is a question as to the age eligibility of a steer, age shall be determined by a grievance committee. Over-aged animals shall be disqualified.

8. Dairy Steer (100% dairy, no beef crosses) is a steer calved in the calendar year of 2019. In case there is a question as to eligibility of a steer, age shall be determined by a veterinarian. Over-aged animals shall be disqualified. Dairy steers will be shown after beef classes.
    THERE IS NO DAIRY STEER SHOWMANSHIP.

9. Animals that have produced a calf must be shown in the cow class regardless of age.

10. See each class listed below for accurate calving dates for each class.

11. A beef steer is a steer calved in the calendar year of 2019. In Jr Beef class, all calves have to be born in 2020. Calf must be a steer from January 1 -–March 31.

12. No bulls will be exhibited.

13. All cattle with horns must be tipped or covered.

14. Champion female of each breed will exhibit for Grand Champion Over-All Female.

15. Beef steers will be weighed after arrival at the fairgrounds and will be divided by weight, by the superintendent. Each exhibitor must be responsible for his market animal (steer) to be weighed at the designated time.

16. Dying or artificially changing the color of an animal is prohibited. Coloring agents may ONLY be used UP TO THE HOCK (KNEE) and SWITCH OF TAIL. Powders are not allowed on any part of the animal. Cattle are to be shown in their natural conformation. The use of FALSE TAIL HEADS is prohibited. The addition of HAIR, HEMP or ANY SIMILAR SUBSTANCE to any part of an animal is prohibited. NO TAIL TIES WILL BE ALLOWED FOR BREEDING STOCK AND STEERS. Exhibitors found breaking the above rules, either prior to entering the ring or while in the ring, will be asked to do the following: Immediately exit the exhibition ring, not exhibit any more cattle at the current beef exhibition and lose all premiums in the beef division.

17. Health and registrations will be checked at the check-in. Please bring the papers to the Beef Superintendent at that time, even if you have no animal to weigh-in.

18. **All 4-H exhibitors of Beef** will be required to certify in the **YQCA** program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website: http://yqca.org.

19. The decision of the Judge is *FINAL*!

BEEF CLASSES

Junior Heifer Calf - Calved January 1, 2020 or after
Senior Heifer Calf - Calved September 1 – December 31, 2019
Summer Yearling Heifer – Calved May 1 – August 31, 2019
Intermediate Yearling Heifer – Calved March 1 – April 30, 2019
Junior Yearling Heifer – Calved January 1 – February 28, 2019
Senior Yearling Heifer – Calved on or before December 31, 2018
Cow, 2 years old & over – Must have calved prior to the exhibition

SIMMENTAL
- Junior Heifer Calf
- Senior Heifer Calf
- Summer Yearling Heifer
- Intermediate Yearling Heifer
- Junior Yearling Heifer
- Senior Yearling Heifer
- Cow, 2 years old & over

POLLED HEREFORDS & HEREFORDS
- Junior Heifer Calf
- Senior Heifer Calf
- Summer Yearling Heifer
- Intermediate Yearling Heifer
- Junior Yearling Heifer
- Senior Yearling Heifer
- Cow, 2 years old & over

ALL OTHER BREEDS (CROSSBRED)
- Junior Heifer Calf
- Senior Heifer Calf
- Summer Yearling Heifer
- Intermediate Yearling Heifer
- Junior Yearling Heifer
- Senior Yearling Heifer
- Cow, 2 years old & over

ANGUS
- Junior Heifer Calf
- Senior Heifer Calf
- Summer Yearling Heifer
- Intermediate Yearling Heifer
- Junior Yearling Heifer
- Senior Yearling Heifer
- Cow, 2 years old & over

SHORTHORN
- Junior Heifer Calf
- Senior Heifer Calf
- Summer Yearling Heifer
- Intermediate Yearling Heifer
- Junior Yearling Heifer
- Senior Yearling Heifer
- Cow, 2 years old & over

STEER

- Beef Steer – Calved in 2019
- Jr. Beef Steer – Calved Jan. 1, 2020 or after
- Dairy Steer

Junior Heifer Calf - Calved January 1, 2020 or after
Senior Heifer Calf - Calved September 1 – December 31, 2019
Summer Yearling Heifer – Calved May 1 – August 31, 2019
Intermediate Yearling Heifer – Calved March 1 – April 30, 2019
Junior Yearling Heifer – Calved January 1 – February 28, 2019
Senior Yearling Heifer – Calved on or before December 31, 2018
Cow, 2 years old & over – Must have calved prior to the exhibition

Eligible for Auction – Beef Steers weighing 1000 pounds & Dairy Steers weighing 1100 pounds & Mini Beef breeds weighing 500 pounds.

CAT (no state fair entries)

TO BE EXHIBITED ON WEDNESDAY, AUGUST 5th AFTER THE JR. SHOW.

Effingham County Fairgrounds, 4-H General Projects Building, Rt. 40, Altamont, IL
CINDY MATHIS, SUPERINTENDENT
JANET WILLENBORG, ASSISTANT SUPERINTENDENT

Please follow these rules for the Cat Show:

1. Cat must be brought in a carrier the day they are to be judged. Cats must stay in cage unless being presented to the judge. No food or water dishes in cat carrier during showing time.

2. The person listed on exhibit list only must exhibit your cat with a collar and a leash. You may only exhibit two cats per class.

3. All cats must be checked in by 8 a.m.

4. **Note:** It is required that all cats must be vaccinated for distemper and rabies to be exhibited in the State of Illinois. Cats must be 4 months old or older. AN ILINOIS STATE CERTIFICATE OF HEALTH MUST BE IN EXHIBITOR'S POSSESSION WHEN ANIMALIS JUDGED. Contact your Veterinarian to schedule an appointment for you cat to receive their health papers. Health Certificates will expire in 30 days.

5. New Policy Procedures for 2020:
   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.
   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.
   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.
   * Swine exhibitors will need to produce ear notches and tag #'s.

6. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rulers as they deem advisable.

7. QA&E - To participate in a 4-H animal project, a 4-H member must complete the online quality assurance and ethics certification provided by the Illinois 4-H office. The website may be accessed at: http://web.extension.illinois.edu/qaec/ . The certification has been developed to review what is expected of youth caring for animals. A 4-H member need only complete the certification one time during their 4-H career. A 4-H member who has already taken the certification and is already on file at the Extension office does not need to re-take the certification. A 4-H member is only required to take certification in one of the species, regardless of how many animal projects they are enrolled. The deadline to complete the certification in Effingham County is July 1. **NOTE:** Youth must be logged onto a computer for this program, either a desktop or laptop; not an iPad or iPhone- the program cannot capture the information for county staff to see when it is completed using iPads or iPhones.

8. The decision of the Judge is ***FINAL***!

CLASSES, including showmanship are:
- Jr.: 8-12 years of age as of September 1st of current 4-H year.
- Sr.: 13 and older as of September 1st of current 4-H year.

CLASSES
- JR. LONG HAIR (OVER 1")
- SR. LONG HAIR (OVER 1")
- JR. SHORT HAIR (1" AND UNDER)
- SR. SHORT HAIR (1" AND UNDER)
- JR. SHOWMANSHIP
- SR. SHOWMANSHIP

DAIRY CATTLE RULES AND EXHIBIT CLASSES

Dairy Exhibition

      Check-in by 3 p.m., Tuesday, August 4

      Show @ 9 a.m., Thursday, August 6

      Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont, IL

BROCK & JAMIE VONDERHEIDE-SUPERINTENDENT

- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

All dairy cattle exhibited must have met "State Health Regulations Governing Livestock Exhibited at Illinois Fairs." A copy of those rules is found in this book.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. Exhibitors showing animals in the purebred classes must produce registration papers. If registration papers are not available, exhibitor will be excused from showing.

4. All Dairy exhibitions must be checked-in by 3pm on Tuesday, August 4, 2020.

5. Entries in cow classes must have been the property of the exhibitor since December 31 of the previous year. All animals that have freshened must be exhibited in cow class. All cows three years and over must have produced a calf.

6. Entries in calf and yearling classes must have been the property of the exhibitor and a part of his/her project by June 1 of the current year.

7. Class age divisions are as follows:

   - Spring heifer calf –calved after March 1 of the current year (2020).
   - Winter heifer calf – calved between December 1, 2019 and February 28, 2020.
   - Fall heifer calf – calved between September 1 and November 30, 2019.
   - Summer Yearling Heifer – calved between June 1 and August 31, 2019.
   - Spring Yearling Heifer –calved between March 1 and May 31, 2019 (except non-registered; see class listing).
   - Winter Yearling Heifer – calved between December 1, 2018 and February 29, 2019.

- Fall Yearling Heifer – calved between September 1 and November 30, 2018 (except non-registered; see class listing).
- Two-Year-old cow – calved between September 1, 2017 and August 31, 2018.
- Three- and Four-Year-Old Cow – is an animal dropped on or before September 1, 2015 through August 31, 2017.
- An aged cow is an animal dropped on or before August 31, 2015.

8. The order of showing in the dairy classes shall be: Holstein Spring Heifer Calf, All Other Breeds (Purebreds) Spring Heifer Calf, Non-Registered Spring Heifer Calf. Once these classes are finished, we will then go to Holstein Winter Heifer Calf, All Other Breeds (Purebreds) Winter Heifer Calf, Non-Registered Winter Heifer Calf and so on.

9. Animals that have produced a calf must be exhibited in the cow class regardless of age.

10. Lactating cows and lactating goats may be brought the morning of the exhibition and be taken home after being exhibited.

11. Dry Cow is an animal that has completed at least one lactation and is currently dry.'

12. **All 4-H exhibitors of Beef** will be required to certify in the **YQCA** program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website: http://yqca.org.

13. The decision of the Judge is *FINAL*!

NON-REGISTERED DAIRY ANIMALS DEPARTMENT

1. All dairy rules apply to non-registered dairy animals.
2. Identification of non-registered females' application must be filled out and filed by June 1 of the current year at the Extension Office. Forms are available at the Extension Office.

DAIRY CLASSES
Dairy steers are shown during the beef show.)
HOLSTEIN – PUREBRED
- Spring Heifer Calf
- Winter Heifer Calf
- Fall Heifer Calf
- Summer Yearling Heifer
- Spring Yearling Heifer
- Winter Yearling Heifer
- Fall Yearling Heifer
- Junior Champion **(No premium)**
- Best Pair of Heifers
- Cow, 2 Years Old
- Cow, 3 & 4 Years Old
- Aged Cow
- Senior Champion **(No premium)**
- Supreme Champion Overall Breeds **(No premium)**
- Best Pair of Cows

ALL OTHER BREED REGISTERED
- Spring Heifer Calf
- Winter Heifer Calf
- Fall Heifer Calf
- Summer Yearling Heifer
- Spring Yearling Heifer
- Winter Yearling Heifer
- Fall Yearling Heifer
- Junior Champion **(No premium)**
- Best Pair of Heifers
- Cow, 2 Years Old
- Cow, 3 & 4 Years Old
- Aged Cow
- Senior Champion **(No premium)**
- Supreme Champion Overall Breeds **(No premium)**
- Best Pair of Cows

NON-REGISTERED
- Spring Heifer Calf
- Winter Heifer Calf
- Fall Heifer Calf
- Summer Yearling Heifer
- Spring Yearling Heifer
- Winter Yearling Heifer
- Fall Yearling Heifer
- Junior Champion **(No premium)**
- Best Pair of Heifers
- Cow, 2 Years Old
- Cow, 3 & 4 Years Old
- Aged Cow
- Senior Champion **(No premium)**
- Supreme Champion Overall Breeds **(No premium)**
- Best Pair of Cows

The order of showing in the dairy classes shall be: Holstein Spring Heifer Calf, All Other Breeds (Purebreds) Spring Heifer Calf, Non-Registered Spring Heifer Calf. Once these classes are finished, we will then go to Holstein Winter Heifer Calf, All Other Breeds (Purebreds) Winter Heifer Calf, Non-Registered Winter Heifer Calf and so on.

DOG
4-H DOG EXHIBITION DAY
Show @ 5 p.m., Tuesday, August 4

Effingham County Fairgrounds, Rt. 40, Altamont, IL
Michele Kreke, SUPERINTENDENT

Note: If qualifying for State Fair, exhibitor must send with their entry a score sheet, signed and dated by the judge, from their County 4-H Show. To be eligible to exhibit at State Fair in Obedience, a dog must have final score of at least 170 points. To be eligible for State Fair, exhibitor must be a resident of the county in which they have won.

Rules that apply to all classes:
1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard here to and to add to or amend these rules as they deem advisable.

2. A dog being shown in the dog program must be trained by the exhibitor and belong to the exhibitor or to a member of their immediate family or leased for the length of the project with a signed agreement. Each exhibitor must have on file by **May 1** a certificate of ownership or lease agreement with photos.

3. New Policy Procedures for 2020:

    * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

    * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

    * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

    * Swine exhibitors will need to produce ear notches and tag #'s.

4. All dogs must be at least six months of age. Female dogs in season will not be allowed to exhibit on show day, nor practice at the practices.

5. All dogs must be accompanied with a current official rabies vaccination certificate. Dogs must be vaccinated for the following: Rabies, Distemper, Leptospirosis, Hepatitis, Parvovirus, Para influenza, Bordatella. The vaccination certificate **must indicate vaccination date** for the above mentioned vaccinations. ANY DOG NOT IN POSSESSION OF THIS DOCUMENT AT CHECK-IN **WILL NOT BE ALLOWED TO EXHIBIT AND MUST BE REMOVED FROM THE FAIRGROUNDS** UNTIL DOCUMENT IS PROVIDED.

6. **All dogs must be checked-in prior to the show.** Check-in will begin at 4:45 p.m. and shall be completed by 5 p.m.-show shall start promptly at 5 p.m.

7. Special problems not covered by these rules will be acted upon by the superintendent.

8. Dogs must be leashed or crated while on the fairgrounds. Acceptable leashes are 6 ft. leather or canvas leashes. **NO PRONG OR ELECTRONIC COLLARS WILL BE ALLOWED ON THE FAIRGROUNDS THE DAY OF EXHIBITION.**

9. A dog that is not under the control of the exhibitor or shows viciousness towards its handler, the judge, other dogs, or any other person may be excused from further competition by the judge and will receive no score for that class. The ability of the dog to return to later classes for competition is at the sole discretion of the judge.

10. Any dog that fouls the ring will be excused from competition and receive no score for that class. The dog may return to later classes for competition. If the same dog fouls the ring again in a subsequent class, the dog will not be permitted to return to further classes for competition.

11. **QA&E** - To participate in a 4-H animal project, a 4-H member must complete the online quality assurance and ethics certification provided by the Illinois 4-H office. The website may be accessed at: http://web.extension.illinois.edu/qaec/ . The certification has been developed to review what is expected of youth caring for animals. A 4-H member need only complete the certification one time during their 4-H career. A 4-H member who has already taken the certification and is already on file at the Extension office does not need to re-take the certification. A 4-H member is only required to take certification in one of the species, regardless of how many animal projects they are enrolled. The deadline to complete the certification in Effingham County is July 1. **NOTE:** Youth must be logged onto a computer for this program, either a desktop or laptop; not an iPad or iPhone- the program cannot capture the information or county staff to see when it is completed using iPads or iPhones.

12. Obedience and Rally classes follow AKC Judging Standards and definitions of classes and exercises. For convenience, the most common and basic of those rules have been included here in the 4-H Fairbook. Complete obedience and rally rules can be found on the AKC's website as follows:
    > **Obedience: http://images.akc.org/pdf/rulebooks/RO2999_0318.pdf**
    > **Rally: http://images.akc.org/pdf/AKC1193_ROR001_1217_WEB.pdf**

13. The decision of the Judge is *FINAL*!

4-H DOG OBEDIENCE
Rules for 4-H Dog Obedience:

1. A dog (who has received a qualifying score at the previous year's state fair/state show or meets Rule #3) cannot be shown in the same class as the previous year except in Graduate Novice, Pre Open, Open, Graduate Open and Utility. Exhibitors may show for two years in Graduate Novice and Pre Open providing the dog does not have a CDX or qualified for a leg on a CDX. Open, Graduate Open and Utility exhibitors can show for three (3) years in these classes. See Rule #4 for exceptions.

2. Dogs do not have to be AKC registered to show in the 4-H obedience show. AKC rules will be used as a guideline for judging. If a dog has 3 qualifying scores for a title prior to 6 months of the Effingham County 4-H Dog Show, it must be shown in the next highest class. Open and Utility dog exhibitors should examine Rule #1 for exceptions.

3. Beginner Novice I is for new handlers and inexperienced dogs only.

4. Beginner Novice II is for experienced handlers with inexperienced dogs or experienced dogs with inexperienced handlers.

5. A run-off will be held in case of a tie for total score.

   o All beginning level classes will use on leash heeling exercises. (Beginner Novice I and II, Novice and Graduate Novice)

   o All advanced classes will use novice off lead heeling exercises. (Pre-Open and above)

6. In most classes, commands/signals given by handler will be either voice or hand, but not both. See full AKC rules and regulations for clarification of your class's specific rules.

7. Exercises for all classes may be done in any order, depending upon scheduling and the judge's preference.

Classes for Dog Obedience:
Pre-Beginner I Class (COUNTY CLASS ONLY, MAY NOT ADVANCE TO STATE!)
(For inexperienced handlers and inexperienced dogs)
1. Heel on Leash (forward, halt, right turn, left turn, about turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders will be given by utilizing posted signs
.... Maximum points 45
2. Figure Eight (on leash) .... Maximum points 45
3. Sit for Exam (on leash) .... Maximum points 30
4. Sit Stay (on leash, group exercise).. Maximum points 40
5. Recall (on leash front/no finish) .... Maximum points 40

Pre-Beginner II Class (COUNTY CLASS ONLY, MAY NOT ADVANCE TO STATE!)
(For experienced handlers and inexperienced dogs or experienced dogs and inexperienced handlers.)
1. Heel on Leash (forward, halt, right turn, left turn, about turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders will be given by utilizing posted signs
.... Maximum points 45
2. Figure Eight (on leash) .... Maximum points 45
3. Sit for Exam (on leash) .... Maximum points 30
4. Sit Stay (on leash, group exercise).. Maximum points 40
5. Recall (on leash front/no finish) .... Maximum points 40

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

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

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

Novice Class
1. Heel on Leash and Figure 8 (on leash) .... Maximum points 40
2. Stand for Examination (off leash) .... Maximum points 30
3. Heel Free (off leash) .... Maximum points 40
4. Recall (off leash) .... Maximum points 30
5. Sit Stay – Get your leash (off leash) .... Maximum points 30
6. Group Exercise – Sit & Down Stay (on leash) .... Maximum points 30

Graduate Novice Class
1. Heel Free and Figure 8 (off leash) **.............................** Maximum points 40
2. Drop on Recall **..** Maximum points 40
3. Dumbbell Recall .... Maximum points 30
4. Dumbbell Recall over High Jump .... Maximum points 30
5. Recall over Broad Jump .... Maximum points 30
6. Stay-Get your leash (sit, Down) .... Maximum points 30

Preferred Open Class
1. Heel Free and Figure 8 .... Maximum points 40
2. Command Discrimination (Stand, Down, Sit) .... Maximum points 30

3. Drop on Recall .... Maximum points 30
4. Retrieve on Flat .... Maximum points 20
5. Retrieve over High Jump .... Maximum points 30
6. Broad Jump .... Maximum points 20
7. Stay-Get your leash (Sit, Down) .... Maximum points 30

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

Graduate Open Class
1. Signal Exercise .... Maximum points 40
2. Scent Discrimination .... Maximum points 30
3. Go Out .... Maximum points 30
4. Directed Jumping .... Maximum points 40
5. Moving Stand and Examination .... Maximum points 30
6. Directed Retrieve .... Maximum points 30

Preferred Utility Class
1. Signal Exercise .... Maximum points 40
2. Scent Discrimination Article #1 .... Maximum points 30
3. Scent Discrimination Article #2 .... Maximum points 30
4. Directed Retrieve .... Maximum points 30
5. Moving Stand & Examination .... Maximum points 30
6. Directed Jumping .... Maximum points 40

Utility Class
1. Signal Exercise .... Maximum points 40
2. Scent Discrimination Article #1 .... Maximum points 30
3. Scent Discrimination Article #2 .... Maximum points 30
4. Directed Retrieve .... Maximum points 30
5. Moving, Stand and Examination .... Maximum points 30
6. Directed Jumping .... Maximum points 40

4-H DOG Rally
Rules for 4-H Dog Rally:

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

Classes for Dog Rally:

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

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

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

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

Dog Care & Showmanship Classes:
Dog Care & Showmanship Rules:

1. Dog Care and Showmanship classes will be broken down by exhibitor age as of September 1, 2019.
2. Mixed breed dogs will be shown as the breed most resembled, regardless if the dog is a cross of that breed, as determined together by exhibitor and Superintendent. This breed will be used to determine which breed standards the exhibitor shall know and follow.
3. The winner of the Junior Dog Care & Showmanship Class and Intermediate Dog Care & Showmanship class will compete against each other for the right to represent Effingham County at the State Fair show in the Junior Showmanship Class (Jr Showmanship State Representative). The Reserve Grand Champion from the class of the winner will come back to compete against the remaining Grand Champion for the right to show at State if the Jr Showmanship State Representative is unable to attend State Fair.
4. In the event that the winner of the Senior Dog Care and Showmanship class is unable to attend State Fair, the Reserve Grand Champion from that class will represent Effingham County Fair at State Fair for Senior Showmanship.
5. Exhibitors will be judged on handling skill, knowledge of breed standards of their dog, dog show terminology and elementary dog anatomy. The judge has the right to question exhibitors in one or all of these areas.
6. Dogs will be judged on cleanliness, general health and grooming.
7. A dog eligible for Showmanship that must be withdrawn for good and sufficient reason (a female in season or veterinarian excuse) may be replaced by another dog owned by the handler or the family. This must be made in writing (giving the reason) at the beginning of the show.

Junior Dog Care and Showmanship
- For exhibitors ages 8-9

Intermediate Dog Care and Showmanship
- For exhibitors ages 10-13

Senior Dog Care and Showmanship
- For exhibitors ages 14-18

4-H DOG AGILITY CLASSES
Rules for Dog Agility Classes:

1. There is no State Fair division. Exhibition is at the county level only.
2. Each dog is only allowed to enter ONE agility class.
3. Dogs must be a minimum of 12 months old to begin Agility training. For large breeds, it is recommended to wait until 18 months, due to growth plates not being fully developed.
4. No dog with a physical or mental condition that would significantly impair their performance may participate. Some examples of these include (but are not limited to) hip dysplasia, disc problems, severely slipped stifles, shoulder problems, overweight, or advancing age.
5. All agility classes will be shown with dogs on leash unless the class is specified as off-leash.
6. **Absolutely no dragging of dogs through the agility courses will be tolerated.** Dog/Handler teams displaying this behavior will be excused from exhibition at the discretion of the judge and/or Superintendent, with no placements, ribbons, or premiums awarded to excused teams.
7. For safety reasons, dogs shall be exhibited on a 4-6 foot leash (except in specified off-leash classes), wearing a buckle collar with no dangling tags.
8. Jump heights will be as follows:

Dog Height	Jump Height	Long Jump Width
10" or less	4"	8"
Over 10" to 14"	8"	16"
Over 14" to 18"	12"	24"
Over 18" to 22"	16"	32"
Over 22"	16"	32"

8. In each class, dogs will be ordered by size, and jumps will be adjusted as needed in between each size group of dogs.
9. No dog shall jump higher than shoulder height. If grouping a dog based on wether height causes a dog to be placed in a group where jumps are higher than shoulder height, the dog shall be moved to the next smaller grouping.
10. Dogs are permitted 3 tries at each obstacle. The judge reserves the right to prohibit a second or third try if they feel that the dog's safety is at risk.
11. Any dog refusing an obstacle for the third time will be asked to move on to the next obstacle by the judge. Anyone not obeying the judge will be eliminated from the competition.
12. In on-leash classes, the leash must be held at all times except when the dog is going through a tunnel. The leash must be picked back up after the tunnel before the next obstacle is attempted.
13. Handlers may not jump over the jumps with their dogs
14. Handlers may not touch their dog or the obstacles during the course.
15. Handlers may use voice commands, hand signals, or both. Handlers are encouraged to talk to or cheer their dogs through the course. There is no penalty for multiple commands or verbal encouragement.
16. Scoring for each class will be based on overall faults. Length of run will be used as a tie-breaker in the case of tie.

Dog Agility Classes:

Jumpers Class
This class will consist of 4-6 obstacles that are differing types of jumps. Designed for dogs who are just starting agility and are not ready for more advanced agility obstacles such as tunnels and A-frames.

6-obstacle Class
This class will consist of 6 obstacles, typically: high jump, long jump, A-frame, dog walk, tunnel, and tire. Exact list of obstacles used on show day is subject to change based on obstacle availability and other factors.

Jumpers Class Off-Leash
This class will consist of 4-6 obstacles that are differing types of jumps. Designed for dogs who are just starting agility off-leash and are not ready for more advanced agility obstacles such as tunnels and A-frames.

6-obstacle Class Off-Leash
This class will consist of 6 obstacles, typically: high jump, long jump, A-frame, dog walk, tunnel, and tire. Exact list of obstacles used on show day is subject to change based on obstacle availability and other factors.

GOATS RULES AND EXHIBIT CLASSES
Boer Goat Exhibition

Boer Goats Check-in by 4 p.m., Friday, July 31
Boer Goat Weigh-in @ 7 p.m., Friday, July 31
Boer Goat show 10:30 a.m., Saturday, August 1
Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont
ABIGAIL WOLFF, SUPERINTENDENT
- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

All animals exhibited must have met "State Regulations Governing Livestock Exhibited at Illinois Fairs." Health Certificates are required for goats. Health papers will be checked at check-in and must remain on the fairgrounds throughout the show.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. New Policy Procedures for 2020:

    *   Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

    *   Exhibitors wishing to show Beef, **Goats** and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

    *   Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

    *   Swine exhibitors will need to produce ear notches and tag #'s.

3. Showmanship class will be divided Beginner age 8 to 11 / Junior age 12 to 15/ Senior age 16 to 18 in Boer Goats based on number of entries. Subject to change on show day depending on numbers. Exhibitor attire should consist of proper show dress.

4. The base date for computing animal age is August 1.

5. A member may exhibit no more than two entries per class.

6. **All freshened goats** must have been the property of the exhibitor since January 1. All does must **Freshen** by 24 months of age. Doe must have kidded or show evidence of visible udder formation consistent with late term pregnancy.

7. Entries in Kids, Dry Yearlings, Wethers must be the property of the exhibitor since June 1.

8. **Ownership papers will be checked on all goats at check-in**. All ownership papers should be kept on hand for proof of ownership.

9. **All wethers** need to have their scrapie tag and/or tattoo plus their pictures showing the tag or tattoo in the ear so that it is legible, along with both sides of the goat into the Extension office no later than **June 1.**

10. **June 6th from 9 a.m. to 10 a.m., ALL wethers must be weighed-in at Effingham County Fairgrounds.**

11. **All wethers are weighed to determine which class light, medium, heavy. All wethers must be born between Sept 1, 2019 & May 31, 2020.**

12. **All 4-H exhibitors of Goats** will be required to certify in the **YQCA** program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website: http://yqca.org.

13. The decision of the Judge is *FINAL*!

BOER GOAT CLASSES

- Doe Kid 0 to 4 months –   (April 1 or after)
- Doe Kid 4 to 6 months –   (February 1 – March 31)
- Doe Kid 6 to 8 months –   (December 1, 2019 - January 31, 2020)
- Doe Kid 8 to 12 months-   (August 1 - November 31, 2019)
- Doe 12 to 18 months-   (February 1 - July 31, 2019)
- Doe 18 to 24 months-   (August 1, 2018 - January 31, 2019)
- Doe 2 to 3 years -   Must have freshened once
- Aged Doe, 4 years and over - Must have freshened once

(Superintendent will place in appropriate class day of exhibition)

- Meat Goat Wether: Light Weight
- Meat Goat Wether: Medium Weight
- Meat Goat Wether: Heavy Weight
- RATE-OF-GAIN

Dairy Goat Exhibition

Dairy Goats Weigh-in/Check-in by 7:15 a.m., Tuesday, August 4
Dairy Goat show 9 a.m., Tuesday, August 4
Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont
Lynn Wolff, SUPERINTENDENT
- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

All animals exhibited must have met "State Regulations Governing Livestock Exhibited at Illinois Fairs." Health Certificates are required for goats. Health papers will be checked at check-in and must remain on the fairgrounds throughout the show.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, **Goats** and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. Showmanship class will be divided Beginner age 8 to 11/ Junior age 12 to 15/ Senior age 16 to 18 in Dairy Goats based on number of entries. (Subject to change on show day depending on numbers). Exhibitor attire should consist of proper show dress. White dress is not **required**, however judges may give **preference** to exhibitors in white dress as all white is what is expected to be worn at Illinois State Fair.

4. The base date for computing animal age is August 1.

5. A member may exhibit no more than two entries per class. Show order will begin with Milking Classes.

6. **Dairy goats** in milk or previously **freshened**, must be the property of the exhibitor since January 1. All does must **Freshen** by 24 months of age. Doe must have kidded or show evidence of visible udder formation consistent with late term pregnancy.

7. Entries in Kids, Dry Yearling, Wethers must be the property of the exhibitor since June 1.

8. **Ownership papers will be checked on all goats at check-in**. All ownership papers should be kept on hand for proof of ownership.

9. **All wethers** need to have their scrapie tag and/or tattoo plus their pictures showing the tag or tattoo in the ear so that it is legible, along with both sides of the goat into the Extension office no later than **June 1**.

10. June 6th from 9 a.m – 10 a.m., **ALL** wethers must be weighed-in at Effingham County Fairgrounds.

11. **All wethers** will be weighed-in Tuesday of show day at 7:15 am & scrapie tags confirmed.

12. NO HORNS ALLOWED on Dairy Goats.

13. **All 4-H exhibitors of Goats** will be required to certify in the **YQCA** program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website: http://yqca.org.

14. The decision of the Judge is *FINAL*!

DAIRY GOAT CLASSES

• 1 Year Milker	***** Freshened
• 2 Year Milker	***** Freshened
• 3 Year Milker	***** Freshened
• 4 Year Milker	***** Freshened
• 5 Years & Older Milker	***** Freshened
• Junior Doe Kid	Born after April 1 of current year
• Intermediate Doe Kid	Born Between March 1 – March 31 of current year
• Senior Doe Kid	Born between September 1 - February 28 of current year
• Dry Yearling Doe	NEVER FRESHENED
• Junior Wether	Born after April 1 of current year
• Intermediate Wether	Born Between March 1 - March 31 of current year
• Senior Wether	Born between September 1- February 28 of current year
• Rate-of-Gain Class	

* FRESHENED - by 24 months of age doe must have kidded or show evidence of visible udder.

PYGMY GOAT EXHIBITION DAY
> Check-in by 10 a.m., Wednesday, August 5
> Show @ 1 p.m., Thursday, August 6
> **Release time immediately following show (4-H ONLY)**

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont, IL
ROBERTA PHILLIPS, SUPERINTENDENT

All animals exhibited must have met "State Regulations Governing Livestock Exhibited at Illinois Fairs." Health Certificates are required for goats. Health papers will be checked at check-in and must remain on the fairgrounds throughout the show.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020**:
   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, **Goats** and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s

3. All Pygmy Goat exhibitions must be checked-in by 10am on Wednesday, August 5. Show at 1pm on Thursday, August 6.   Release time immediately following show **(4-H ONLY)**

4. The base date for computing animal age is August 1.

5. A member may exhibit no more than two entries per class.

6. All Pygmy Classes must have been the property of the exhibitor since June 1.

7. **All 4-H exhibitors of Goats** will be required to certify in the **YQCA** program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website: http://yqca.org

8. The decision of the Judge is *FINAL*!

PYGMY GOAT CLASSES

- Junior Pygmy Doe Kid – Birth to 6 months
- Senior Pygmy Doe – 6 months to 12 months
- Pygmy Doe – 12 months to 24 months - Unfreshened
- Pygmy Doe – 18 months to 24 months - Freshened
- Pygmy Doe – 2 to 3 years
- Pygmy Doe – 3 & 4 years old
- Pygmy Doe – 4 years & older
- Wether 0 – 9 months
- Wether 9 months – 18 months
- Wether 18 months and over

HORSES RULES AND EXHIBIT CLASSES

EQUINE EXHIBITION DAY

> Check In 7:15 - 7:45 a.m., Saturday, August 8
> Required Exhibitor Meeting, 8 a.m., Saturday, August 8
> Show 8:30 a.m., Saturday, August 8

Effingham County Fairgrounds, 4-H Horse Arena at the north end of the race track, Rt. 40, Altamont, IL
Dana Grupe, SUPERINTENDENT; Dan Haarmann, Assistant; and Rachel Higgs, JR. SUPERINTENDENT

GENERAL RULES

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. A current coggins test is required by state law for all equine participating in an advertised event. A copy needs to be presented at check-in and immediately available at any time during the exhibition if requested.

3. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

4. Any animal exhibited must be owned or leased by the exhibitor. The animal may be jointly owned with members of the exhibitor's immediate family. Each animal must be on file in only one exhibitor' name at the Extension Office by May 1 of the current 4-H year. A copy of the ownership/lease paper which includes the animal's name, height, sex, registration information if applicable, and description, along with the exhibitor's name and the lease information is applicable. 3 photos (one of each side & front) or a copy of the registration papers must be attached. This will remain on file for the career of the 4-Her. It is the exhibitor's responsibility to notify the Extension Office of any changes including change of ownership, lease agreement, death, or injury disqualifying it from being exhibited. **A separate set of photos must be submitted for state fair entries.** Follow their rules for entry and deadlines.

5. No animal may be substituted or traded for the animal on file after May 1 of the current 4-H year. In the event of illness or death of the animal on file, a substitute animal will be permitted with approval of the 4-H superintendent with notification of such an event in a timely manner.

6. Each animal may be entered and exhibited by only one 4-H member. Each animal may only be exhibited once in each class.

7. Every animal exhibited must be at least 2 years old by May 1 of the current 4-H year.

8. Equine refers to horses, ponies, mule, donkey, miniature horse, and burro. No Stallions or Jacks are allowed.

9. **QA&E** - To participate in a 4-H animal project, a 4-H member must complete the online quality assurance and ethics certification provided by the Illinois 4-H office. The website may be accessed at: http://web.extension.illinois.edu/qaec/ . The certification has been developed to review what is expected of youth caring for animals. A 4-H member need only complete the certification one time during their 4-H career. A 4-H member who has already taken the certification and is already on file at the Extension office does not need to re-take the certification. A 4-H member is only required to take certification in one of the species, regardless of how many animal projects they are enrolled. The deadline to complete the certification in Effingham County is July 1. **NOTE:** Youth must be logged onto a computer for this program, either a desktop or laptop; not an iPad or iPhone- the program cannot capture the information for county staff to see when it is completed using iPads or iPhones.

10. The decision of the Judge is *FINAL*!

11. **Equine Headgear:**
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 at all 4-H horse and pony events, shows, activities, or practices. Original tags must be present in all approved helmets. The 4-H member is responsible to see that this specified headgear is properly fitted with the approved harness fastened snugly in place whenever mounted. Helmet policies apply to all county, area, and state 4-H horse and pony events, shows and activities. *Protective helmets are recommended for all riders and drivers at all times. It is recommended that all adults working with 4-H members model the desired youth behavior by also wearing protective helmets whenever mounted or driving.*

12. Classes are divided into "Junior" and "Senior" divisions. A pony is an animal 56 inches or under. Seniors wishing to exhibit a pony must do so in the horse/mule classes.
    - Junior Division - 13 years old and younger as of Sept. 1 of the current 4-H year.
    - Senior Division - 14 years older and older as of Sept. 1 of the current 4-H year.

13. An exhibitor may exhibit up to **two animals per exhibition**. example: 2 ponies, 2 horses (mare and/or gelding), or 2 mules, or a combination of a pony, a horse, or a mule.

14. Only one entry per exhibitor will be allowed in the following classes:
    - Sr. Western Pleasure
    - Jr. Western Pleasure
       Or
      Jr. Walk-Trot
    - Fun Classes
    - Horsemanship
    - Showmanship

15. An exhibitor may enter two same sex horses or two ponies in the appropriate halter classes. Another 4-H member must exhibit the second animal. This 4-H member must be appropriately attired and have proof of ethics training at check-in.

16. Dress requirements: Halter and Performance events: Western style long pants, western style long sleeved shirt, western hat, western boots with heel, **and approved riding helmet for mounted classes.** Coat, vest, jacket, gloves, chaps, and spurs are optional. Chaps and spurs are prohibited in Halter and Showmanship classes. Speed events: long pants, collared long or short sleeved shirt, western boots with heel, and approved riding helmet.

17. All exhibitors must check in at registration table between 7:15 and 7:45am There will be no late check-ins without consent of the superintendent. At check-in, exhibitors are to confirm entries and will receive numbers. The exhibition starts at 8:30am.

18. All entries must be in proper classes or they will be disqualified. Correct number for the entry being exhibited must be displayed appropriately and visibly in each class.

19. Only the 4-H member exhibiting a particular animal is allowed to ride or work the animal the day of the exhibit. This does not mean that a person cannot hold the animal, have it waiting in the nearby area, or assist 4-Her in tacking the animal.

20. All exhibitors must display sportsmanship throughout the exhibition. Cruelty to or rough handling of an animal will result in disqualification. This includes whipping or hitting in front of the saddle.

21. The superintendent or judge may dismiss any animal or exhibitor that they deem dangerous.

22. Tack: hackamores and snaffles are only allowed on animals 5 years old or younger. Mechanical hackamores, draw reins, martingales, tie downs, and whips are only permitted in gaming (speed) classes. When a curb chain is used, it must be of flat curb style and at least 1/2 inch wide. Whipping in front of the saddle is prohibited.

23. An exhibitor's carriage of the free hand is optional; however, it may not touch tack or the animal in pleasure class.

24. The decision of the judge is final.

25. Additional rules and patterns will be posted the day of the exhibit.

26. In the Jr. Division the exhibitor may choose to ride in the Jr. Walk-Trot class or the Jr. Pleasure class but not both.

HORSE AND PONY CLASSES
CLASS DESCRIPTIONS

SHOWMANSHIP – the exhibitor is judged on the ability to fit, groom, and exhibit an animal at halter. The animal is merely a prop to demonstrate the ability of the exhibitor.

HALTER – the animal is being judged on conformation, type, soundness, action, balance, & general appearance. *Premiums will be paid in all classes.*

HORSEMANSHIP – exhibitor to display ability as a rider in the exhibition ring & display knowledge of how to properly handle an animal. This class is to be evaluated as the combined performance of the animal & rider working in action.

WESTERN PLEASURE – is a class where the animal's performance is judged. Class is to be judged on manners, performance & suitability of animal. A sensible, free & easy moving, well-mannered animal that can provide a quiet, comfortable & pleasant ride at a walk, trot & canter is wanted.

FUN CLASS – Each year the Superintendents will decide the Fun Class and it will be announced on Exhibit Day.

TRAIL – this class is designed to display the ability of the animal to navigate obstacles normally encountered on a trail ride. This is not a speed event, but, rather, a test of obedience & ability. A reasonable length of time will be allowed at each obstacle.

EQUINE CLASSES
- Senior Showmanship
- Junior Showmanship
- Senior Horsemanship
- Junior Horsemanship
- Mare Halter – 2 years old & older
- Gelding Halter – 2 years old & older
- Pony Halter
- Senior Western Pleasure
- Junior Western Pleasure
  - **OR**
  - Junior Walk-Trot
- Senior Trail
- Junior Trail

FUN CLASSES
- Senior Fun Class
- Junior Fun Class
- Senior Barrels
- Junior Barrels
- Senior Flags
- Junior Flags
- Senior Poles
- Junior Poles

LLAMA & ALPACA RULES AND EXHIBIT CLASSES
LLAMA & ALPACA EXHIBITION DAY
      Check-in: 8:30 a.m., Friday, August 7
      Show: 9 a.m., Friday, August 7

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont, IL
JOANN RING, SUPERINTENDENT; TRISH PURCELL – ASSISTANT SUPERINTENDENT

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. All llamas must be owned or leased by the exhibitor by May 1. A copy of the lease should be on file in the Extension office by May 1.

4. **QA&E** - To participate in a 4-H animal project, a 4-H member must complete the online quality assurance and ethics certification provided by the Illinois 4-H office. The website may be accessed at: http://web.extension.illinois.edu/qaec/ . The certification has been developed to review what is expected of youth caring for animals. A 4-H member need only complete the certification one time during their 4-H career. A 4-H member who has already taken the certification and is already on file at the Extension office does not need to re-take the certification. A 4-H member is only required to take certification in one of the species, regardless of how many animal projects they are enrolled. The deadline to complete the certification in Effingham County is July 1. **NOTE:** Youth must be logged onto a computer for this program, either a desktop or laptop; not an iPad or iPhone- the program cannot capture the information for county staff to see when it is completed using iPads or iPhones.

5. Check-In 8:30 a.m. on Exhibition – release after Exhibition.

6. All exhibitors entering the costume class must provide a short story to correspond with the costume.
           Junior Exhibitor – Ages 8 - 9 years
           Intermediate – Ages 10 - 12 years
           Senior Exhibitor – Ages 13 - 18 years
           As of September 1 of current school year

7. The decision of the Judge is **_FINAL_**!

LLAMA & ALPACA CLASSES - Visual Arts Fiber - Llama Fiber exhibited on General Projects Day

- Sr. Costume
- Intermediate Costume
- Jr. Costume
- Sr. Showmanship
- Intermediate Showmanship
- Jr. Showmanship
- Sr. Obstacle
- Intermediate Obstacle
- Jr. Obstacle
- Sr. Public Relations
- Intermediate Public Relations
- Jr. Public Relations
- Sr. Pack
- Intermediate Pack
- Jr. Pack

POULTRY RULES AND EXHIBIT CLASSES
Poultry / Waterfowl Exhibition
Blood draw/Check-in time @ 8 a.m., Saturday, August 1
Show @ 8 a.m., Monday, August 3
Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Poultry Barns, Rt. 40, Altamont, IL
DONNA LOY, SUPERINTENDENT POULTRY
- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. ALL poultry entries (except ducks, geese, pigeons & doves) **MUST have** a negative Pullorum-Typhoid test or a certificate from the breeder/hatchery stating the stock originated from a U.S. pullorum-typhoid clean flock BEFORE admission to the poultry area. A poultry tester will be at the fairgrounds starting at starting at 8 a.m. - Noon on Saturday, August 1. State law prohibits putting any birds that need to be blood tested in cages before blood tests.

3. **New Policy Procedures for 2020:**
   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

4. ALL CAGES MUST BE CLEANED UNDERNEATH before you leave with your bird(s).

5. A Wild Game permit is required for game birds (Pheasants & Quail, etc.). Obtain from Illinois Department of Conservation.

6. Any 4-H member who must be absent from the fair on exhibition due to a conflict with another related 4-H activity can have his project exhibited by another Effingham County 4-H member upon the prior approval of the Effingham County Livestock Committee.

7. ALL poultry must be owned by exhibitor by June 1. (Excluding Broiler/Fryer Market)

8. A member may exhibit two birds per class.

9. A young bird is hatched in current year. An old bird is hatched before the current year.

10. All poultry except domestic birds is going to SINGLE ENTRY except for Meat Pen and Roaster which will remain 3 per pen.

11. A broiler/fryer market pen consists of three cockerels or three pullets of the same breed each weighing less than four pounds. A roaster market pen consists of three cockerels or three pullets of the same breed each weighing over four pounds. Members are limited to only exhibiting 1 broiler/fryer market pen and 1 roaster pen.

12. Showmanship Class will be offered. Showmanship information is available through the 4-H Animal Science Series, Scratching the Surface Poultry 1 Manual. Jr., Intermediate & Sr. Showmanship divisions will be divided on exhibition with your age as of exhibition.

13. Pens are furnished. 4-H members must bring feed & water containers. It is the responsibility of the 4-H member to make sure that their animal is taken care of. Appropriate watering and feeding containers must be used. Plastic bottles cut in half will NOT BE ALLOWED as appropriate containers. Superintendents have authority to take action as they deem necessary on any exhibit whose animals are not cared for appropriately with feed, water and other items as needed for the conditions.

14. Birds not in exhibit 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. Bird cages must be cleaned under daily.

15. All 4-H members are required to clean up and sanitize the poultry area.

16. Eggs will be judged first before the poultry.

17. **QA&E** - To participate in a 4-H animal project, a 4-H member must complete the online quality assurance and ethics certification provided by the Illinois 4-H office. The website may be accessed at: http://web.extension.illinois.edu/qaec/ . The certification has been developed to review what is expected of youth caring for animals. A 4-H member need only complete the certification one time during their 4-H career. A 4-H member who has already taken the certification and is already on file at the Extension office does not need to re-take the certification. A 4-H member is only required to take certification in one of the species, regardless of how many animal projects they are enrolled. The deadline to complete the certification in Effingham County is July 1**. NOTE:** Youth must be logged onto a computer for this program, either a desktop or laptop; not an iPad or iPhone-the program cannot capture the information for county staff to see when it is completed using iPads or iPhones.

18. The decision of the Judge is *Final*!

CHICKEN CLASSES

American Class
Jersey Giants, New Hampshire Reds, Plymouth Rocks, Rhode Island Reds, Wyandottes, Dominiques

English Class
Australorp, Cornish, Dorkings, Orpingtons, Sussex, Red Caps

Mediterranean Class
Anconas, Blue Andalusians, Leghorns, Minorcas, White Faced Black Spanish, Buttercups

All Other Chickens Classes

       Asiatic Class – Brahmas, Cochins, Langshans, Faverolles

       Games Class – Old English Games, Modern Games

All Other Birds

       Continental Class, Hamburgs, Sumatras, Sultans, Turkens, Houdans, Malays,

       Polish, Frizzles, Araucanas, Creve Coeurs, Phoenix, Lakenvelders, Campines, Egyptian Fayoumis

CHICKENS

- **Old Chicken –** American Class Rooster
- **Old Chickens** –American Class Hen
- **Old Chicken –** English Class Rooster
- **Old Chicken –** English Class Hen
- **Old Chicken –** Mediterranean Class Rooster
- **Old Chicken –** Mediterranean Class Hen
- **Old Chicken –** All Other Chickens Class Rooster
- **Old Chicken—**All Other Chicken Class Hen
- **Young Chicken –** American Class Cockerel
- **Young Chicken—**American Class Pullet
- **Young Chicken –** English Class Cockerel
- **Young Chicken—**English Class Pullet
- **Young Chicken –** Mediterranean Class Cockerel
- **Young Chicken—**Mediterranean Class Pullet
- **Young Chicken –** All Other Chickens Class Cockerel
- **Young Chicken—**All Other Chickens Class Pullet

BANTAM CHICKENS

- **Old Bantam Chicken –** Clean Legged Rooster
- **Old Bantam Chicken –** Clean Legged Hen
- **Young Bantam Chicken –** Clean Legged Cockerel
- **Young Bantam Chicken –** Clean Legged Pullet
- **Old Bantam Chicken** –Feather Legged Rooster
- **Old Bantam Chicken** –Feather Legged Hen
- **Young Bantam Chickens –** Feather Legged Cockerel
- **Young Bantam Chickens –** Feather Legged Pullet

MARKET

- Broiler/Fryer Market Pen
- Roaster Market Pen
- 1 dozen eggs (one egg out of each dozen will be broken)

DOMESTIC BIRDS

- Pair of guineas
- Pair of old turkeys
- Pair of quail
- Pair of young turkeys
- Pair of pheasants
- Pair of peafowl

WATERFOWL RULES AND EXHIBIT CLASSES
WATERFOWL, PIGEONS & DOVES EXHIBITION DAY

Blood-draw/Check-in time @ 8 a.m., Saturday, August 1
Show @ 8 a.m., Monday, August 3
Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Poultry Barns, Rt. 40 Altamont, IL
GREG ESKER, SUPERINTENDENT
- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. ALL CAGES MUST BE CLEANED UNDERNEATH before you leave with your bird(s).

4. Blood tests are not required on Waterfowl, Pigeons, or Doves.

5. A Wild Game permit is required for game birds (Flying Mallards, Wood Ducks, Canadian Geese). Obtain from Illinois Department of Conservation.

6. Any 4-H member who must be absent from the fair on exhibition day due to a conflict with another related 4-H activity can have his project exhibited by another Effingham County 4-H member upon the prior approval of the Effingham County Livestock Committee.

7. ALL poultry must be owned by exhibitor by June 1.

8. A member may exhibit no more than **two** entries per class.

9. Old pair hatched before the current year. Young pair hatched in the current year. A pair is one male & one female –**YOU WILL NOT RECEIVE AN A RATING IF YOU DO NOT EXHIBIT THE REQUIRED one MALE / one FEMALE.**

10. Pens are furnished. 4-H members must bring feed & water containers. It is the responsibility of the 4-H member to make sure that their animal is taken care of. Appropriate watering and feeding containers must be used. Plastic bottles cut in half will NOT BE ALLOWED as appropriate containers. Superintendents have authority to take action as they deem necessary on any exhibit whose animals are not cared for appropriately with feed, water and other items as needed for the conditions.

11. All 4-H members are required to help clean-up and sanitize the poultry area.

12. Birds not in show condition will be excused from exhibition and removed from the premises. Any bird showing signs of illness during the fair will be removed from the exhibition grounds. (Example: sick, crippled, have lice, or in poor condition)

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CLASSES

- Old Pair of Geese
- Young pair of Geese

DUCKS

- **Light/Fancy Breeds -** Runners, Bali, Crested, Call, Mallard, Mandarin, Wood Duck, Campbell, East Indie, Magpie
- **Heavy Breeds -** Aglesburry, Pekin, Rouen, Buff, Cayuga, Muscovy, Swedish, Crossbred
- Old Pair Ducks – Light/Fancy Breeds
- Old Pair Ducks – Heavy Breeds
- Young Pair Ducks – Light/Fancy Breeds
- Young Pair Ducks – Heavy Breeds

PIGEONS
Fancy Breed - Fantails, Modenas, Trumpeters, Jacobins, Parlor Tumblers, Owls, Helmets
Sporting/Utility Breeds - Homers, Rollers, Kings, French Mondain

- Old Pair of Pigeons – Fancy Breed
- Old Pair of Pigeons – Sporting/Utility Breed
- Young Pair of Pigeons – Fancy Breed
- Young Pair of Pigeons – Sporting/Utility Breed

DOVES

- Pair of Doves

RABBITS RULES AND EXHIBIT CLASSES

Check in 3 p.m. – 5:30 p.m., Tuesday, August 4
Show @ 8 a.m., Wednesday, August 5
Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont, IL
Erin Pontious, SUPERINTENDENT
- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. All Rabbits must be owned by exhibitor by June 1.

4. **Check-In from 3 p.m. - 5:30 p.m., Tuesday, August 4; release time immediately following show (4-H ONLY).**

5. Members may exhibit 8 entries, **cages will be assigned to you as you arrive. You must check in with superintendent.**

6. A member may exhibit no more than **two** entries per class only **one** meat pen.

7. A member may exhibit 1 meat pen. **A meat pen consists of 3 rabbits (1 entry) all the same breed less than 12 weeks of age and minimum of 3 pounds and maximum of 5 pounds.**

8. **Rabbit meat pens will be divided into three divisions at the Effingham County 4-H Rabbit Exhibition.** The three Division Champions from meat pen classes will compete for the Grand Champion Over All Meat Pen. See announcements for the order of the show which will change from previous years.

9. Any 4-H member who must be absent from the fair or exhibition day due to a conflict with another related 4-H activity can have his project exhibited by another Effingham County 4-H member upon the prior approval of the Effingham County Livestock Committee.

10. Members must bring approved feed & water containers.

11. Showmanship classes will be divided Junior, Intermediate & Senior (senior being those 14 & over on January 1 of the current year).

12. Breed Champions & Overall Champions will be Best of Breed or Best in Exhibition. Best Opposite Sex of Breed will be Best Opposite Sex in exhibition.

13. Juniors exceeding maximum class weights may be shown in higher age class. ARBA Standards.

14. **QA&E** - To participate in a 4-H animal project, a 4-H member must complete the online quality assurance and ethics certification provided by the Illinois 4-H office. The website may be accessed at: http://web.extension.illinois.edu/qaec/ . The certification has been developed to review what is expected of youth caring for animals. A 4-H member need only complete the certification one time during their 4-H career. A 4-H member who has already taken the certification & is already on file at the Extension office does not need to re-take the certification. A 4-H member is only required to take certification in one of the species, regardless of how many animal projects they are enrolled. The deadline to complete the certification in Effingham County is July 1. **NOTE:** Youth must be logged onto a computer for this program, either a desktop or laptop; not an iPad or iPhone-the program cannot capture the information for county staff to see when it is completed using iPads or iPhones.

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RABBIT CLASSES

PEN
- **Meat Pen -** Meat Pen will be divided into three divisions before the Effingham County 4-H Rabbit Exhibition.

CALIFORNIAN
- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

HOLLAND LOP
- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

MINI REX
- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

NEW ZEALANDS
- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

SATIN – SOLID

Siamese Satins should be entered as solids. Broken is white & any other color.

- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

SATIN - BROKEN

- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

FOUR CLASS IS LESS THAN 9 POUNDS

- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

FOUR CLASS BREEDS:

- American Fuzzy Lop
- American Sable
- Belgian Hare
- Britannia Petite
- Dutch
- Dwarf Hotot
- English Angora
- English Spot
- Florida White
- French Angora
- Harlequin
- Havana
- Himalayan
- Holland Lop
- Jersey Wooly
- Lilac
- Lionhead
- Mini Lop
- Mini Rex
- Mini Satin
- Netherland Dwarf
- Polish
- Rex
- Rhinelander
- Satin Angora
- Standard Chinchilla
- Silver
- Silver Marten
- Tan
- Thrianta

SIX CLASS IS 9 POUNDS AND UP (FULL GROWN, JUNIORS WILL WEIGH LESS)

- Junior Buck – Under 6 months
- Junior Doe – Under 6 months
- Senior Buck – Over 6 months
- Senior Doe – Over 6 months

SIX CLASS BREEDS:

- American
- American Chinchilla
- Beveren
- Blanc de Hotot
- Californian (smallest)
- Champagne d'Argent
- Checkered Giant
- Cinnamon
- Creme d' Argent
- English Lop
- Flemish Giant
- French Lop
- Giant Angora
- Giant Chinchilla
- New Zealand
- Palomino
- Satin
- Silver Fox

SHEEP RULES AND EXHIBIT CLASSES

Sheep Exhibition

> Monday, May 2, 5:30 p.m. - 7:00 p.m., Weigh-in for Rate-of-Gain
> Check-in by 8 a.m., Saturday, August 1
> Weigh-in @ 8 a.m., Saturday, August 1
> Show @ 3 p.m., Monday, August 3
> **Release time immediately following show (4-H ONLY)**

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont, IL
ROBBIE WALK, SUPERINTENDENT; RYAN SIEMER, SUPERINTENDENT
- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

All animals exhibited must have met "State Health Regulations Governing Livestock Exhibited at Illinois Fairs." A copy of those rules is found at the end of this handbook.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. New Policy Procedures for 2020:

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. All Sheep must be owned by the exhibitor by May 1 and show proof, such as a bill of sale, signed by both parties.

4. All sheep must be vet checked and have all proper health paper work submitted to the Superintendent at weigh in.

5. All lambs must be docked.

6. All lambs must have been dropped after September 1 of previous year.

7. Market lambs may be purebred, crossbred or grade. They may be either wethers or ewes. Rams cannot be exhibited in market class.

8. Each exhibitor must be responsible for his market animal to be weighed at the designated time.

9. Exhibitors showing animals in the purebred classes must produce registration papers. If registration papers are not available, exhibitor will be excused from showing.

10. A ewe lamb exhibiting in the breeding class cannot be exhibited in the market class or vice versa.

11. Rate-of-Gain Contest – Lambs will be weighed in after May 1. Lamb weights will be taken again at the fair and an average taken. Will be judged on 100% rate-of-gain.

12. Exhibitors may exhibit two Purebred Breeds and also Crossbreds along with Market Lambs.

13. REGISTRATION PAPERS SHOWING OWNERSHIP IN MEMBER'S NAME WILL BE REQUIRED OF ALL ANIMALS EXHIBITED IN THE **PUREBRED CLASSES**.

14. **All 4-H exhibitors of Sheep** will be required to certify in the **YQCA** program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website: http://yqca.org.

15. The order of exhibition in the sheep classes shall be: Cheviot, Dorset, Hampshire, Shropshire, Southdown, Suffolk, Wool Bred, Crossbred, Market Lamb.

16. The decision of the Judge is *Final*!

SHEEP CLASSES

SHROPSHIRES/DORESETS
- Purebred ewe lamb
- Purebred yearling ewe
- Purebred aged ewe
- Purebred ram lamb

SUFFOLKS/HAMPSHIRES
- Purebred ewe lamb
- Purebred yearling ewe
- Purebred aged ewe
- Purebred ram lamb

ALL OTHER BREEDS
- Purebred ewe lamb
- Purebred yearling ewe
- Purebred aged ewe
- Purebred ram lamb

CROSSBREDS
- Ewe lamb
  - *Light weight*
  - *Heavy weight*

(Superintendent will place in appropriate class day of exhibition)
- Yearling ewe
- Aged ewe
- Ram lamb

MARKET LAMBS
- Market lamb
  - *Light weight*
  - *Heavy weight*

(Superintendent will place in appropriate class day of exhibition)

RATE-OF-GAIN - Rate of gain class

SWINE RULES AND EXHIBIT CLASSES

SWINE EXHIBITION DAY

Check-in by 9 a.m. on Saturday, August 1

Weigh-in 9 a.m., Saturday, August 1

Show @ 7:45 a.m., Monday, August 3

Release time immediately following show (4-H ONLY)

Effingham County Fairgrounds, 4-H Exhibit Arena, Rt. 40, Altamont, IL

ALAN KOLLMANN, SUPERINTENDENT

- You will need to read the **Effingham County Fair Book for JR Show** check-in/release times.

All animals exhibited must have met "State Health Regulations Governing Livestock Exhibited at Illinois Fairs." A copy of those rules is found at the end of this handbook.

1. The University of Illinois Effingham County Extension 4-H program reserves the final and absolute right to interpret these rules and regulations and to settle and determine all matters, questions, protests, and differences in regard hereto and to add to or amend these rules as they deem advisable.

2. **New Policy Procedures for 2020:**

   * Horses, Llamas and Canine are the only three species allowed to be leased. All other livestock are exempt from the lease provision.

   * Exhibitors wishing to show Beef, Goats and Sheep will be required to submit photos of their market animals. Required photos must include: full view of left side, full view of right side, and any other identifiable or distinguishing marks or scars. Failure to comply will result in that market animal being ineligible for exhibition.

   * Sheep will be required to have scrapie tag numbers and a photo of the tag in the lamb's ear.

   * Swine exhibitors will need to produce ear notches and tag #'s.

3. All gilts exhibited in this division must have been farrowed on or after January 1 of the current year. All barrows exhibited in this division must have been farrowed on or after January 15 of the current year. All swine must be owned by the exhibitor by May 1.

4. **NEW RULE:** All swine must be checked by a veterinarian by June 10. The health paper number must be included on the entry form.

5. **Check-In & Release** – on grounds at 9am, Saturday, August 1, weigh-in begins 9am Saturday, August 1. **Release time immediately following show (4-H ONLY).**

6. Exhibitors showing animals in the purebred classes must produce registration papers. If registration papers are not available, exhibitor will be excused from showing .

7. ALL purebred gilts entered must be registered in the name of the exhibitor only. All animals exhibited shall be plainly ear marked and these ear marks will be inspected. **The animal, the paperwork, and the exhibitor will report to the show ring prior to the barrow weigh-in.**

8. All exhibitors' health papers will be checked at time of arrival. Exhibitors will not be allowed to enter the exhibition ring until their name is checked off.

9. 4-H Carcass Class – There must be a minimum of five animals entered in the carcass class by July 1 or the class will be canceled. Animal's will be judged on percent lean as per U of I rules.

10. Each exhibitor must be responsible for his/her **market animal** to be weighed at the designated time.

11. An individual may exhibit up to a total of **two** barrows per class.

12. An individual may exhibit up to two gilts per class.

13. All gilts will be weighed on Saturday to determine class breaks except Purebred gilts. Purebred gilts will be broke into classes by age.

14. Showmanship classes will be determined on day of exhibition.

15. **No washing of swine during any 4-H livestock shows.**

16. **Alll 4-H exhibitors of Swine** will be required to certify in the **YQCA** program yearly starting for the 2020 show season. Youth must either attend a face to face class or certify on-line via the website: http://yqca.org.

17. The decision of the Judge is *Final*!

4-H CARCASS CLASS
Rules & Regulations

1. There must be a minimum of five animals entered in the carcass class by July 1 or the class will be canceled.

2. ENTRY FEE: $10 Carcass Class

3. PRIZE MONEY:
   - $50.00 first place premium
   - $30.00 second place premium
   - $20.00 third place premium
   - (50% payback class)

4. One carcass allowed per family.

5. Owners are responsible for their carcasses. You MUST pick it up from T & L Locker in Stewardson and make your own disposition of it.

6. There will be an "on the hoof" carcass judging contest first thing Monday morning (7:45 a.m.). There will be first and second place trophies given.

7. Carcass Class animals will leave the fairgrounds immediately after the "on the hoof" judging contest.

8. Carcass Class animals are NOT eligible to show in any other swine class.

9. Animals will be weighed on Saturday with the other market barrows.

SWINE CLASSES
PUREBRED GILT
   - Spring Gilt

BREEDING GILT
   - Spring Gilt

MARKET GILT
   - Spring Gilt

BARROW
   - Single Market Barrow
   - Pair of Market Barrows
   - Carcass Class

2020 EFFINGHAM COUNTY 4-H FAIR SHOW SCHEDULE

Friday, May 15, 2020
Effingham Public Library

6 p.m.   4-H Public Speaking

Friday, July 24, 2020
First Baptist Church, Effingham

5:30-7:00pm   Foods/Clothing
7:30 p.m.   Fashion Review

Saturday, July 25, 2020
Effingham County Fairgrounds

9:00-Noon   General Projects Show

Friday, July 31, 2020

5:15 p.m.   Flag Raising Ceremony/4-H Award Show
                       in show ring.
4 p.m.   Boer Goat Check-in
5 p.m.   Beef Check-in
7 p.m.   Boer Goat Weigh-in
7:30 p.m.   Beef Weigh-in

Saturday, August 1, 2020

8 a.m.   Poultry & Waterfowl Check-in and
                       Blood Draw
8 a.m.   Sheep Check-in & Weigh-in
9 a.m.   Swine Check-in &
                       Weigh-in
10:30 a.m.   4-H Tractor Driving Event
10:30 a.m.   4-H Boer Goat Show

Sunday, August 2, 2020

12 p.m.   4-H Beef Show
6 p.m.   Master Showmanship

Monday, August 3, 2020

7:45 a.m.   4-H Swine Show
8 a.m.   4-H Poultry & Waterfowl
3 p.m.   4-H Sheep Show

Tuesday, August 4, 2020

7:15 a.m.   Dairy Goat Weigh-in/Check-in
9 a.m.   4-H Dairy Goat Show
3 p.m.   Dairy Cattle Check-in
3 to 5:30 p.m. Rabbit check-in
5 p.m.   Dog Show

Wednesday, August 5, 2020

8 a.m.   4-H Rabbit Show
9 a.m.   4-H Cat Show
10 a.m.   Pygmy Goat Check-in
5:30 p.m.   4-H Youth Auction

Thursday, August 6, 2020

9 a.m.   4-H Dairy Show
1 p.m.   4-H Pygmy Goat Show

Friday, August 7, 2020

8:30 a.m.   4-H Llama & Alpaca
                       Check-in
9 a.m.   4-H Llama & Alpaca Show

Saturday, August 8, 2020

7:15–7:45 a.m. Horse Check-in
8 a.m.   Horse Exhibitor meeting
8:30 a.m.   4-H Horse Show

To Make The Best Better

All 4-H animals are released immediately following 4-H shows. **THIS IS 4-H ONLY.** Be sure to clean
out your pen or stall before leaving. Individuals will be contacted to return to clean your area.