

2017 Morgan County 4-H Exhibit Showbook



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UNIVERSITY OF ILLINOIS
EXTENSION

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

University of Illinois Extension

CODE OF CONDUCT FOR 4-H EVENTS & ACTIVITIES

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

Category 1

- a) Possession, use, or distribution of alcohol and other drugs*, including tobacco products.
- b) Theft or destruction of public or private property.
- c) Involvement in sexual misconduct or harassment.
- d) Possession or use of dangerous weapons or materials (including fireworks).
- e) Fighting or other acts of violence that endanger the safety of the participant or others.

Category 2

- a) Intentionally interfering with or disrupting the event.
- b) Use of profane or abusive language.
- c) Disregard for public or personal property.
- d) Public displays of affection or inappropriate actions.
- e) Failure to comply with direction of Extension personnel, including designated adults acting within their duties and guidelines.

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

Consequences:

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

Category 1:

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

Category 2:

1. When notified of any of the actions listed under Category 2, the adult in charge will ascertain the relevant facts and, with concurrence from the U of I Extension staff, will notify the participant of the action and any supporting evidence. The participant will be allowed an opportunity to answer the allegations and, if necessary, law enforcement officials will be notified. While facts are being verified, the participant will be removed from the 4-H activity/event and be under direct supervision of an adult chaperone.
2. The parent or guardian of the participants who are in violation of Category rules, will be notified of the actions by the participant. The parent or guardian must immediately remove the participant from the activity, at the parent's or guardian's expense. Participants who exhibit conduct as described in Category 2, letters d-j, will receive a verbal and written warning (initialed by the adult and the participant). Upon receiving a second warning, the parent or guardian will be notified of the behavior and must make arrangements for removal of the participant from the activity, at the parent's or guardian's expense. "We understand and accept the responsibility for following the "Code of Conduct" for this 4-H event or activity. We further understand that failure to do so will result in disciplinary action.

4-H GENERAL RULES

Program Fee

- **Who needs to pay a 4-H program fee?** Members that are part of a sustained 4-H experience including delivery modes such as community clubs, SPIN clubs, and/or special interest groups meeting on a regular basis, Cloverbud members, independent members, and after-school programs that meet regularly.
- **Late Fee** A late fee was implemented in the 2011-2012 4-H program year. Current 4-H members failing to meet the second Friday in December re-enrollment deadline will be assessed at late fee of \$30.00 above the \$20.00 program fee. The late fee cannot be paid by the club. Members have until February 1 of the current 4-H year to pay the late fee. Failure to do so will result in ineligibility to take part in 4-H exhibitions, receive 4-H premiums, receive other awards or recognition, and sell in the 4-H Livestock Auction. **There is a \$60 family cap.**
- **What will these fees be used for?** Fees will be used for program support and to maintain the existing 4-H program.
- **When are fees due?** Fees for re-enrolling members and **new members** enrolling by the second Friday in December will be due February 1. Club leaders will be sent a list of members currently listed in the 4-HDMS data base the first regularly scheduled working day after January 1. Club leaders will collect their member fee's and then submit **ONE** club account check to the Extension office along with the club's member enrollment form. Checks should be made payable to U of I Extension. Indications will be made on the club member sheet if an individual's fee has already been paid.
- **When are fees due for members who join after the second Friday in December?** Fees for new members enrolling after the second Friday in December must accompany their enrollment sheets, whether it is paid to the club leader or directly to the Extension office. New members will not receive the "Clover" newsletter until enrollment sheet and payment are received into the Extension office. Checks should be made payable to U of I Extension.
- **Program Fee Waivers available?** This will depend on outside donations from various sources. Those members needing the fee waived may contact their club leader or Extension office.
- **Project Enrollment Deadlines** – All members must be enrolled as a member of a 4-H club. All re-enrolling 4-H members must have their project selection sheet and enrollment sheet turned into your Extension Office the **second Friday in December, 4:30 p.m. (NO EXCEPTIONS)** of the current 4-H year. Projects may be added or dropped till May 1.
- **When will manuals be ordered?** Manuals for ALL members will be ordered after the December deadline and May 1 deadline.

Attendance Policies

1. Previously enrolled 4-H members must attend 50% of their club's scheduled meetings each year to be eligible to take part in 4-H exhibitions, receive 4-H premiums, receive other awards and recognition, and sell in the 4-H Livestock Auction. New 4-H members must attend 50% of club's meeting after joining, to be eligible to take part in 4-H exhibitions, receive 4-H premiums, receive other awards and recognition, and sell in the 4-H Livestock Auction.
2. 4-H members who are unable to attend a 4-H meeting for events such as school activities, illness, or circumstances beyond their control and wish to be excused must let their 4-H leader know in advance where applicable.

Exhibit Information

Exhibit registration is done through 4HOnline.

1. A member may receive 4-H premium money in only one unit. Membership is credited to the unit authorizing, supporting, and receiving 4-H program fee money even though some members may live outside the county. A record of enrollment must be in the Extension office by May 1 of the current 4-H year and enrollment fee paid in order to exhibit at a 4-H exhibit show.
2. No entry fee is required for 4-H exhibits.
3. 4-H premiums will be distributed using an A, B, or C rating. Premiums will be designated by a formula system based on the number of exhibits and the total money available from state funds. This will not be determined until after all classes have been exhibited and money from state legislation has been determined.
4. 4-H members may exhibit only in the projects in which they are presently enrolled. All exhibits must have been part of the member's work during the current year.

Exhibits Ratings will be rated as follows:

- "A" = Project meets or exceeds the given requirements.
 - "B" = Project does not meet requirements or needs minor improvement.
 - "C" = Project does not meet requirements or needs major improvement.
 - State Fair Delegate = Project is selected to represent the county at the state level.
 - State Fair Delegate Alternate = Project is selected to advance to state if delegate choose not to exhibit.
5. **Project Requirements** – Recommendations in the project books and the specific project exhibit requirements

will be used in judging the exhibit. Judges are provided a copy of the exhibit requirements prior to judging.

6. **There is no maximum size limit for exhibits.** Please choose a display size that is most appropriate for the exhibit you are bringing. Larger does not always mean better; use good judgment in creating your exhibit.
7. **All non-livestock** exhibits must have an exhibit tag and all articles of the exhibit should be tagged with the exhibitor's information. Exhibits without tags will not be judged. It is the exhibitor's responsibility to ensure the tags are firmly attached by tying or stapling the tag to the project. Due to the heat and humidity, tape is not a recommended way of attaching your exhibit tag and should only be used as a last resort.
8. **Pre-printed entry tags** will be passed out during project check-in or may be picked up at the Extension Office prior to the exhibit day. The tags should be tied or stapled to exhibits.
9. **Show Day** - Sewing & Textiles, Clothing Decisions, and Public Presentations will be exhibited in June at the Morgan County Extension Office. Exhibit times and location will be listed in the Clover newsletter.
10. **Dog Show** – Morgan County 4-H Dog Show – approximately a week before the fair in the Merchants Building on the Morgan County Fairgrounds.
11. Project check-in times will be listed in the Morgan Fairbooks and the 4-H Clover newsletter. Exhibitors are asked to allow superintendents place projects in the exhibit area.
12. Any 4-H member meeting the eligibility rules for participation set by the Jr. Department of the Illinois State Fair and have received an "A" rating can be chosen to represent 4-H if they have reached their 10 birthday by Sept. 1 of the current 4-H year. Projects defined as "County Only" projects are ineligible for selection to the IL State Fair.
13. Project Checkout - All general projects will be checked out of the 4-H Building Sunday, the last day of the fair, after the release time of 4:00 p.m.
14. If a 4-H member needs a reasonable accommodation to participate in the 4-H Shows, please contact the local Extension office.
15. University of Illinois Extension is not responsible for loss or damage to any articles/animals exhibited at any 4-H exhibit show.

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LIVESTOCK EXHIBIT INFORMATION

1. **Animal Leasing** – A 4-H member involved in any dog, horse project has the option of leasing an animal for the duration of the project. The animal may be shown at the county 4-H show, provided that a copy of the signed lease agreement and a photo of each side of the animal are on file at the Extension Office by May 1 of the 4-H year. Forms are available at the Extension Office.
2. All exhibits must have been made and/or personally cared for during the 4-H year. Livestock must be a part of the member's project during the required ownership period.
3. No one will be allowed in the judging area except 4-H members, judges and workers.
4. All livestock and poultry shall comply with the Illinois Livestock Exhibition Regulations, which are printed in the County Fairbook.
5. All animals must be shown by the owner, except in the case of illness, if the 4-H member enters the Armed Forces, is attending a State 4-H event, or when a conflict exists when two different projects are shown at the same time. In such cases, another 4-H member enrolled in a livestock project may show the animals.
6. Extension staff and Fairboard will interpret the rules and answer all questions that may arise.
7. The judges' decisions shall be final unless a written protest is turned into the Department Superintendent before the end of the show. Protests must be turned into the Extension Office within one day of the show. A protest committee made up of the Department Superintendents, Auction Superintendent, and Extension staff will handle all protests.
8. **Pork Quality Assurance** – All 4-H members who exhibit swine must be PQA certified. 4-H members who send their animal to the market at the county level must have the certification in their name or a member of the family's name. All 4-H members who exhibit barrows at the Illinois State Fair must have the certification in the name of the exhibitor. Most youth PQA certifications expire after one year.
9. Unsportsmanlike conduct will not be tolerated. Such conduct by an exhibitor may be grounds for disqualification by the superintendents. Members, leaders, or parents showing unsportsmanlike conduct may be asked to leave the show area.
10. **Quality Assurance and Ethics Certification (QAEC)**-Beginning in 2013 all 4-H Youth enrolled in a livestock project: beef, dairy, dog & cat (companion animals), horse, sheep, swine, goat, rabbit, or poultry, **including those exhibiting an animal poster in a livestock area**, will be required to complete this online course one time in order to stay enrolled in a livestock project area. Once you complete this program, you will earn your certificate of completion for the Quality Assurance and Ethics Certification requirement and will be eligible to show your livestock and stay in your 4-H project area. **Certification for QAEC must be completed by June 1.** Completion of the QAEC via the website is mandatory to exhibit livestock at the local county fair 4-H shows, and is the only approved method of certification. Failure to complete the certification will result in your removal from the livestock project, ineligibility to exhibit the livestock in the 4-H show, receive premiums and sell in the livestock auction. Participants are required to only take the training once in any specie. Those who have previously taken the QAEC training are maintained on the approved list and will not need to be re-certified.
<http://web.extension.illinois.edu/qaec/>

Livestock Birth and Ownership Deadlines:

STEERS & MARKET HEIFERS:

Calved on or after January 1, 2016

Owned & personally cared for by exhibitor since – February 1, 2017

Weighed, Tattooed & Tagged – On or between the last Saturday in January (January 28, 2017) and March 15, 2017.

In addition to tattooing, steers that will be going to state fair are to be tagged with the electronic ID tags.

Information forthcoming from Dan Jennings regarding obtaining the tags. Each tag should be recorded to the nomination sheet. All paperwork should be sent to Dan Jennings.

BARROWS: Regular Barrows

Farrowed on or after January 15, 2017 and must be the property of the exhibitor by June 1, 2017.

No weighing and tattooing required but must submit ear notches when making entry for ISF

BARROWS: Premiere Barrows

Farrowed on or after February 10, 2017 and must have been the property of the exhibitor by June 1, 2017

Weighed and Tattooed February 10 to April 15, 2017

Tattooed within 35 days of birth and not weigh more than 1.0 lbs/day of age

SHEEP WETHERS: Both Premiere & Live Show Wethers

Lambled on or after January 1, 2017

Ownership Date – May 15, 2017

Weighed & tattooed – between March 15 and May 15, 2017

Weigh/Tattoo procedures for Open & Jr. Premiere & Live Show Wethers:

All lambs and meat goats to be exhibited at the State Fair MUST be taken to one of the statewide locations for weighing and tattooing. Each lamb will be tattooed, (weighed – Premiere lambs only), and recorded on Lamb Nomination Forms from Dan Jennings. Specific information regarding each of the weigh-in locations & procedures will be forthcoming.

MEAT GOATS: (ALL MEAT GOAT WETHERS MUST BE TATTOOED AT REGIONAL SHEEP PROCESSING SITES).

Wethers – Born on or after October 1, 2016

Tattooed in name of exhibitor only by May 15, 2017

Ownership dates for Kids & Yearlings not in milk – May 15, 2017

BEEF – HEIFERS AND COWS:

Heifers

Age requirement is from September 1, 2015 to March 31, 2017

Owned and personally cared for by exhibitor since June 1, 2017

Performance Cows

Cows must be born before September 1, 2015 (Cow-Calf Class only)

Owned and personally cared by exhibitor since January 1, 2017

SWINE – GILTS:

Age requirement is farrowed on or after January 1, 2017

Owned by exhibitor since June 1, 2017

SHEEP – EWES & RAMS:

Age requirement for yearling ewes is from January 1, 2016 to August 31, 2016

Age requirement for ewe lambs is after September 1, 2016

Age requirement for ram lambs is after January 1, 2017

Owned and personally cared for by exhibitor since June 25, 2017

DAIRY – COWS AND HEIFERS:

No age requirements

Calves and Heifers – Owned since June 1, 2017

Cows – Owned since January 1, 2017

HORSE AND PONY:

On or before June 1 – Copies of the ownership and/or lease papers, State Fair Entries, and one set of photos sent to Pam Harmon at State Fair for entry verification.

DOGS:

Dogs must be owned or leased by May 1, 2017

At this time, no paperwork is required to be on file.

DAIRY GOATS:

Kids and Yearlings not in milk must be owned by exhibitor only by June 1, 2017.

Milking Does must be owned by exhibitor only by January 1, 2017.

MEAT GOATS

All meat goats (wethers and all breeding animals) are to be owned by exhibitor only by May 15, 2017.

RABBITS, PYGMY GOATS & POULTRY:

Animals in these species that are to be exhibited at the ISF Jr. Show must be owned by the exhibitor as indicated: Does -- By June 1 of the year exhibiting; All others -- Out of stock owned by the exhibitor prior to June 1.

4-H LIVESTOCK AUCTION

RULES ARE SUBJECT TO CHANGE. MEMBERS WILL BE NOTIFIED OF CHANGES PRIOR TO THE MORGAN COUNTY FAIR.

1. The Morgan County 4-H Auction is only for Morgan County 4-H members who have exhibited a market animal during the current year's fair.
 2. **4-H members selling livestock are to be present at the time of the sale.**
 3. The Auction Committee and Extension staff will interpret the rules and answer all questions that may arise.
 4. All Department Superintendents are to have their AUCTION LISTS available no later than NOON on Sunday of the Fair. Names turned in after NOON on the Sunday during the fair may not be listed in the sale flyer.
 5. 4-H members are responsible for contacting the Department Superintendent with the animal to be sold.
 6. A 1% commission will be deducted from each auction animal to support Morgan County 4-H Programs.
 7. Each 4-H member may enter only one of the following projects to sell: steer, barrow, meat goat or sheep wether, poultry (meat pen), geese (one goose or one gander) duck (one drake or one hen), turkey (one tom or one hen), rabbits (one meat pen of three.) NOT MORE THAN ONE SPECIES OF LIVESTOCK MAY BE SOLD BY EACH EXHIBITOR.
 8. Sale order will be determined by placing where possible. The superintendents have full responsibility for setting the sale order.
 9. No sale agreements will be in effect. The member may reject the final bid, provided it is done before the animal leaves the ring.
 10. Animals become the property of the buyer upon leaving the sale ring, unless the buyer returns ownership to the 4-H member according to auction procedures.
 11. All swine and sheep that sell will be paint branded at weigh-in time. All steers will be permanently identified at weigh-in. In the event an unmarked animal is selected Grand or Reserve Grand Champion, that animal may be nominated for sale, but must be stated so, to the Department Superintendent before it leaves the Show Ring.
 12. NO AUCTION ANIMAL MAY LEAVE THE FAIRGROUNDS UNTIL AFTER THE SALE. ANIMALS THAT LEAVE THE GROUNDS PRIOR TO THE SALE WILL BE BARRED FROM THE SALE. NO EXCEPTIONS!!!!!! THIS RULE WILL BE ENFORCED IN ALL CASES, NO MATTER IF THE ANIMAL IS GRAND CHAMPION OR LAST IN THE CLASS.
 13. All 4-H members who are selling in the auction will be expected to help clean the barn and show areas after the sale.
 14. The auction will be conducted under the following guidelines:
 - a. The auction committee will establish an average local market price for every species, which will be posted the morning of the auction.
 - b. The BUYER will have two options:
 - i. The buyer may elect to keep the animal and pay the seller for the full bid price.
- OR
- ii. The buyer may elect to return the animal to the seller and pay only the difference between the bid price and the local market price. The seller retains ownership of the animal.
15. This is the buyer's decision. The buyer must decide before the animal leaves the ring. The buyer's decision is final.
 16. There will be no weight limitations on any species.
 17. 4-H members should be prepared to haul animals home after the auction, in the event the buyer decides to return ownership to the seller.

WLDS SHOWDOWN CLASSIC

The Showdown Classic is open to Morgan County 4-H members age 14 and over exhibiting at the Morgan County Fair. There is no limit on the amount of times that you may win this event and you may still participate the next year(s). The WLDS Showdown Classic will be held in the Livestock Show Ring on the Morgan County Fairgrounds. Participants are responsible for acquiring a wether/ewe, a barrow/gilt, and a steer/heifer to use during the contest. Participants will be judged on their knowledge of and ability to show sheep, swine, and cattle.

4-H SHOWMANSHIP

1. Limited to Morgan County 4-H members only.
2. Showmanship may be divided into junior and senior divisions when deemed necessary by the department superintendent. However, only one award will be available in each department: Beef, Sheep, Swine, Horses and Goats.
3. Age will be determined as of September 1 of the current enrollment year.
Junior: 13 and under Senior 14 and up
4. Showmanship classes will be held after the conclusion of the respective livestock specie shows.
5. Participants must show their own project, unless directed otherwise by the judge.
6. Animals are to be groomed by the showman.
7. The judge has the final decision. He or she may choose to ask the exhibitors to identify parts of the animal's body or explain a particular concept of livestock management.

4-H BEEF PREMIERE

1. Restricted to Morgan County 4-H members only.
2. Steers only may enter this class.
3. Steers must have been weighed and tattooed and an electronic ear tag placed by the established date to be eligible.
4. Each individual may nominate a total of five (10) steers. However, only one may be entered in the contest at weigh-in time.
5. Animals must be in place at the same time as other cattle, according to the fair catalog.
6. Steers must be properly groomed and halter broke.
7. All steers must be sound and must follow the health requirements as listed in the fair catalog.
8. Animals will be placed according to pounds of daily gain.
9. Premiums will be given to the top eight (8) steers:
1st\$75
2nd & 3rd\$50
4th-8th\$25

SWINE PREMIERE

1. Restricted to Morgan County 4-H members.
2. Barrows only may be entered in this class.
3. Pigs must be weighed, tattooed, castrated and earnotched BEFORE they are 35 days of age and cannot weigh more than 1.0 pounds per day of age. Pigs must be castrated prior to nomination. All pigs must be tattooed before April 15.
4. Individuals may nominate up to (5) barrows. Only one may be entered at weigh-in time.
5. Pigs must have been farrowed after January 15 of the current year.
6. Animals must follow the health rules listed in the fair catalog.
7. All barrows must be sound without physical evidence of abscess. The superintendents may disqualify such animals.
8. All animals will be placed according to pounds of daily gain.
9. Premiums will be given to the top three barrows:
1st\$75
2nd & 3rd\$50
4th-6th\$25

AEROSPACE Each county may send 2 entries total from 50130, 50131, 50132; 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. UAV projects should be entered in this class.

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. UAV projects should be entered in this class.

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. UAV projects should be entered in this class.

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 Clover Challenge: (SF 50132)

(Open to 15- to 18-year-olds enrolled in the Aerospace Clover Challenge project who have completed Aerospace 2, 3, and 4.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

Animal Science: (Open to members in Beef, Cats, Dairy, Dogs, Goats, Horse & Pony, Poultry, Rabbits, Sheep, Small Pets, and Swine) (SF 50135) 2 entries total from 50135, 50136; and 1 entry from 50137 Prepare a display focusing on any activity related to the animal project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles, or any other sharp objects.

Animal Science Ready4Life Challenge: (SF 50137)

(Open to 11 to 18 year-olds enrolled in Beef, Cats, Dairy, Dogs, Goats, Horse & Pony, Poultry, Rabbits, Sheep, Small Pets, and Swine)

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 – classes are subject to change. Final classes will be list on registration sheet.

- 1. Quality Assurance and Ethics Certification is required.**
2. All heifers WITHOUT registration papers will be shown by weight in the Non-registered All Other Breeds class.
3. All bulls should be shown with nose rings.
4. Each steer entered must have been born after January 1 of the previous year.
5. Protests on breeds will be blood tested at the protestor's expense (\$50 or current rate if higher) until protest is settled.
6. The Morgan County Fairbook will list exhibit times.

Classes offered are subject to change. Complete listing of classes will be on your Yellow Registration Sheet.

Bull Born on/after Jan 1, 2016	Late Sr Hfr Calf Born on/after Nov 1, 2016	Sr Hfr Calf Born Sept 1-Oct 31, 2016
Late Smr Yrl Hfr Born July 1-Aug 31, 2016	Early Smr Yrl Hfr Born May 1-June 30, 2016	Late Jr Yrl Hfr Born March 1-April 30, 2016
Early Jr Yrl Hfr Born Jan 1-Feb 28, 2016	Sr Yrl Hfr Born on/after Sept 1, 2015	Pr of Females from any of the previous classes
Herd, any combination of bulls and Heifers, both sexes	Commercial Heifer Classes Lightweight-Heavy weight	Market Classes -Angus, Hereford, shorthorn, Simmental, Crossbreed, All other breed
Display poster if animal is not shown		

Beef Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Beef Clover Challenge project who have completed Beef 1, Beef 2 and Beef 3.)

Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

BICYCLE (not eligible for state fair)

Bicycle 1

Exhibit a display that relates to activities from Level 1 which 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

Exhibit a display that relates to activities from Level 2 which 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 Clover Challenge: (not eligible for state fair)

(Open to 15- to 18-year-olds enrolled in the Bicycle Clover Challenge project who have completed Bicycle 1 and Bicycle 2.)

Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

CAT

1. **Quality Assurance and Ethics Certification is required.**
2. In order to receive a rating for a cat project, the one cat and one kitten must be exhibited at the County Fair. The date, time and place will be publicized in the 4-H CLOVER.
3. Cats must be on a leash at all times during the show.
4. Cat must be in good health.
5. Cats = older than 6 months Kitten = 2-6 Months of Age
6. The 4-H member **MUST** be present to show the cat and answer any questions the judge may have. Only under the written consent of the superintendent, may another exhibitor show a cat.
7. Trophies will be given for the Champion Cat and the Champion Kitten. The following score card will be used:

CRITERIA	EXCELLENT	GOOD	FAIR	POOR
Body Condition (fat or thin)				
Coat (Well brushed, clean skin, no excess hair)				
Eyes (Clear, not matted)				
Mouth (Pink gums, clean teeth)				
Ears (clean, no wax and/or mites)				
Temperament				
Knowledge of 4-H member				
Comments:				

Cat Clover Challenge: (SF 50136)
(Open to 15- to 18-year-olds enrolled in the Cat Clover Challenge project who have completed all levels of the Cat project.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

CHILD DEVELOPMENT

(Each county may submit 3 entries total from 50138, 50139, 50140, 50141, 50142; and 1 entry from 50143.

Child Development 1: (SF 50138)

Exhibit one of the following options developed by the member from the Level 1 book.

- My Learning Box filled with things that help you learn and have fun. On a note card or paper, explain how you have used the box; **OR**
- Prepare a choke-tube tester display labeled with toys that are "safe" and "not safe." On a note card or paper, explain why the toys are safe or not safe for young children and how others can test toys for safety.

Child Development 2: (SF 50139)

Exhibit one of the following options developed by the member from the project book:

- Include the following three items that would be appropriate for a child of a specific age: a toy made by the member, a song or game, and a story or story book that would be appropriate for a child of a specific age. On a note card or page of paper, indicate the age of the child and how the items fit into the interests, abilities and safety considerations of that age child; **OR**
- Prepare a display of 6 toys and/or activities (at least one being made by the 4-H member). Include two items for each of the following three age groups: Infant/Toddler; Pre-School; and School Age. On a note card or page of paper, for each toy and activity indicate the age of the child and how that item fits into their interests, abilities, and safety considerations.

Child Development 3: (SF 50140)

Exhibit one or more of the following items developed by the member from the project book:

- a child care career game;
- a display representing a community service activity;
- a teaching plan for use in a child care setting (2-4 hour time span); **OR**
- a plan for neighborhood Olympics activity.

Child Development Innovation Class: (SF 50141)

(Open to youth who were at least 13 years of age on 9/1/16 and are enrolled in Child Development 1, 2 or 3)

Demonstrate the skills and knowledge you have gained through the Child Development project. The exhibit may be the result of knowledge gained from project manuals, interaction with child development professionals, and/or individual exploration in the area of child development. Exhibit may include, but is not limited to child behavior, ages and stages of child development, or career exploration related to child development or child care. 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.

Child Development Ready4Life Challenge: (SF 50143)

(Open to 11- to 18-year-olds enrolled in any 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 Clover Challenge: (SF 50142)

(Open to 15- to 18-year-olds enrolled in the Child Development Clover Challenge project who have completed Child Development 1, 2, and 3.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

CITIZENSHIP

Each county may submit 2 entries total from classes 50145, 50146, 50147, 50148; and 1 entry from 50149.

Citizenship 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.

Citizenship 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).

Citizenship 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.

Citizenship 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.

Citizenship Clover Challenge: (SF 50148)

(Open to 15- to 18-year-olds enrolled in the Citizenship Clover Challenge project who have completed Citizenship Units 1, 2, and 3.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

Public Adventures (not eligible for state fair)

Prepare an exhibit related to anything you learned in the project manual, such as being an active citizen or creating change in your community.

Service Learning 1 (not eligible for state fair)

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

Service Learning 2 (not eligible for state fair)

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

CLOTHING & TEXTILES

Each county may submit 3 entries total from 50151, 50152, 50153, 50155; 2 entries from 50154, and 1 entry from 50156.

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. 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 and exhibit in 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.

SEWING**STEAM Clothing 1 – Fundamentals:** (SF 50151)

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

Non-Sewn Exhibits

- 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

- 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

- 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 50152)

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

Non-Sewn Exhibits

- 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

- 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

- 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 50153)

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

Non-sewn Exhibits

- 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

- 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

- 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.

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

- 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

- 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 50156)

(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.

Sewing & Textiles Clover Challenge: (SF50155)

(Open to 15- to 18-year-olds enrolled in the Sewing Clover Challenge project who have completed STEAM 1, 2, and 3 or Shopping in Style, Year 1, 2, and 3)

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

FASHION REVUE (SF 50190) Each county may submit three entries in this class.

Exhibitors in this class may be enrolled in any of the following projects: Clothing & Textiles Clover Challenge 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 Revue. Exhibitors will be responsible for writing their narration. IF SELECTED FOR THE STATE FAIR: Narrations must be submitted to the State 4-H Office by Aug. 1. The form is available @ 4-H.illinois.edu. Email the form to illinois4H@illinois.edu.

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.

CLOVERBUDS

CLOVERBUD exhibit requirements are: a poster, item or display in the project for which they are enrolled or participated in. They may choose to make anything deemed appropriate for the project. CLOVERBUDS are designed to be a special group for 5-7 year old boys and girls.

- CLOVERBUDS may not receive premiums.
- CLOVERBUDS may not exhibit any livestock.
- CLOVERBUDS may not participate in the 4-H Livestock Auction.

COMMUNICATIONS

Communications 1 (not eligible for state fair)

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 (not eligible for state fair)

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 (not eligible for state fair)

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.

Journalism (not eligible for state fair)

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: (not eligible for state fair)

(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.

Communication Clover Challenge: (not eligible for state fair)

(Open to 15- to 18-year-olds enrolled in the Communication Clover Challenge Project who have completed all previous levels of Communications.)

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

COMMUNICATIONS: PUBLIC PRESENTATIONS

(Each county may enter one entry per class 50276, 50277, 50278, 50279)

Enrollment in the Public Presentations project is required to exhibit in this section.

No live animals are allowed in speeches.

Formal Speech: (SF 50276)

Formal Speeches (without props, costume, or aids) must be between 4-6 minutes in length and done by an individual member. Formal speeches provide information to the audience. Note cards are not considered a prop or visual aid and are allowed in this class.

Illustrated Speech: (SF 50277)

Illustrated Speeches (with any type of visual aids) must be between 4-6 minutes in length and done by an individual member.

Original Works: (SF 50278)

May be done by an individual or a team of no more than three members. Member may present any type of original works (i.e. comedy, storytelling, original poetry, radio segment, etc.) Works must have been written by one of the members. Segment must be between 4-6 minutes in length. Original works presentations are designed to entertain an audience. "Costume" attire is allowed to enhance the presentation. All team members must be registered for the class via the online process. All members of a team receiving a Best in Action rating will receive a premium.

Oral Interpretation: (SF 50279)

May be humorous or dramatic interpretation, oratorical declamation, prose reading or verse reading. Material may be read or memorized. May be done by an individual or a team of no more than three members. Musical presentations are not appropriate for this class. Interpretation must be between 4-6 minutes in length. "Costume" attire is allowed to enhance the presentation. All team members must be registered for the class via the online process. All members of a team receiving a Best in Action rating will receive a premium.

COMPUTER SCIENCE

Each county may submit 3 entries total from 50158, 50159, 50160, 50161, 50162, 50163, 50165; 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: (SF 50158)

(Open to youth in Computer Science 1 or Computer Explore)

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 1 or Computer Explore)

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 1 or Computer Explore)

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 Explore only)

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.

Open Source Computer Science (SF 50165)

(Open to youth enrolled in Computer Science 1, Computer Explore, Robotics 1-2, Junk Drawer Robotics 1-3)

Exhibits in this class will demonstrate successful application of open source (publicly available) computing software and/or hardware, such as Raspberry Pi and Linux, to accomplish a task. All exhibits must include something visual, such as a poster or printed copy of a digital presentation or programming flowchart, which will remain on display during the exhibition.

Computer Innovation Class: (SF 50162)

(Open to youth who were at least 13 years of age on 9/1/16 and are enrolled in a computer project.)

Exhibit an original program using a higher level programming language such as Python, Javascript, C++, etc. 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 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 Clover Challenge: (SF 50163)

(Open to 15- to 18-year-olds enrolled in the Computer Clover Challenge Project who have completed all previous computer projects.)

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

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.

Clover Challenge: Consumer Education (Not eligible for state fair)

(Open to 15- to 18-year-olds enrolled in the Consumer Economics Clover Challenge Project who have completed Consumer Savvy 1, 2, and 3.)

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

CROPS Each county may submit 3 entries total from 50170, 50171, 50172, 50173, 50174; 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. 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.

Soybean Experimental/Educational Project: (SF 50170)

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.

Soybean Gallon: (Not eligible for state fair)

Exhibit a one-gallon container of soybeans from previous year's crops.

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. 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 Experimental/Educational Project: (SF 50171)

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.

Corn Gallon: (Not eligible for state fair)

Exhibit a one-gallon container of soybeans from previous year's crops.

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. 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 Experimental/Educational Project: (SF 50172)

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.

Small Grains Alfalfa: (not eligible for state fair)

1 baled flake from current year's crop.

Small Grains Grass Hay: (not eligible for state fair)

1 baled flake from current year's crop.

Small Grains Clover Hay: (not eligible for state fair)

1 baled flake from current year's crop.

Crops Innovation Class: (SF 50173)

(Open to youth who were at least 13 years of age on 9/1/16 and are enrolled in Crops)

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 Clover Challenge: (SF 50174)

(Open to 15- to 18-year-olds enrolled in the Crops Clover Challenge Project who have completed all levels of Crops.)

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

DOG

1. Quality Assurance and Ethics Certification is required.

Dogs must be owned or leased by May 1.

At this time, no paperwork is required to be on file.

Members are highly encouraged to attend Dog Obedience Classes.

Classes

1. Beginner Novice I
2. Beginner Novice II
3. Pre Novice
4. Novice
5. Jr. Showmanship
6. Sr. Showmanship
7. Dog Care

Beginner Novice I-New Handlers and inexperienced dogs only

Beginner Novice II-Experienced handlers with inexperienced dogs

Dog Care -- Dogs judged on cleanliness, general health and grooming.

1. Showmanship ages will be determined by September 1 of the current year. Both purebred and non-pedigreed dogs are eligible for this class. The breed of the dog has no bearing on placings in this class. The top senior and junior may be eligible for State Fair.
2. The judge must sign and date all score sheets for exhibitors interested in moving on to the State Fair. In addition, the Extension Office staff must be notified immediately following the show so the proper entry process may be initiated.
3. The same dog may not be entered in more than one obedience class.
4. The dog being shown must be trained by and owned or leased by the exhibiting 4-H member. If a leased animal is used, the signed lease agreement must be on file in the Extension Office by May 1 of the current year along with a current color photo of the dog.
5. Written certification must be available on the day of the show to verify current rabies, distemper, parvo, corona virus, para-influenza, hepatitis and leptospirosis vaccinations.
6. Dogs being shown in obedience must be brought to the show on a six foot lead (leather, nylon or

- canvas) and an appropriate collar.
7. Dogs do not have to be AKC registered.
 8. Current AKC rules will be used in judging.
 9. Spike collars or tags hanging from collars will not be allowed.
 10. A run-off will be held in case of ties in total scores.
 11. If a female is in season at fair time, superintendents must be notified BEFORE the day of the show and provisions will be made for the individual to show.
 12. The committee will act upon special problems not covered by these rules.
 13. Classes are subject to committee review; check the current 4-H Clover for changes.
 14. All exhibitors must be enrolled in the dog project by May 1 of the current year.

Dog Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Dog Clover Challenge project who have completed all levels of the Dog project.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

ELECTRICITY

Each county may submit 3 entries total from 50177, 50178, 50179, 50180; and 1 entry from 50181.

It is strongly suggested that members use recommended construction details including proper color coding provided by the Energy Education Council (EEC) that have been provided on the EEC 4-H website; <http://www.energyedcouncil.org/4-H.html>.

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 Clover Challenge: (SF 50180)**(Open to 15- to 18-year-olds enrolled in the Electricity Clover Challenge Project who have completed Electricity 1, 2, and 3.)**

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

Electronics Clover Challenge: (not eligible for state fair)**(Open to 15- to 18-year-olds enrolled in the Electronics Clover Challenge Project who have completed Electricity 4.)**

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

ENTOMOLOGY GENERAL

Each county may submit 2 entries total from 50183, 50184, 50185, 50186, 50187; 1 entry from Class 50383.

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. (Exhibitors may be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

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, Other: (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 50383)**(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 Clover Challenge: (SF 50187)

(Open to 15- to 18-year-olds enrolled in the Entomology Clover Challenge Project who have completed Entomology 1, 2, and 3.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

ENTOMOLOGY BEEKEEPING

Each county may send 2 entries total from Classes 50380, 50381, and 50382; and 1 entry from 50384.

Create an exhibit that shows the public what you learned in the beekeeping project this year. **Note:** No bee hives may be exhibited. (Honey water 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 box). Honey exhibited (including chunk, cut comb, and comb) must be collected since the previous year fair.

Beekeeping 1: (SF 50380)

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 50381)

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").
- 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 50382)

Exhibit three (3) of the four (4) kinds of honey listed below (#1-4) or prepare an educational display about honey bees or beekeeping.

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

Entomology Beekeeping Ready4Life Challenge: (SF 50384)

(Open to 11- to 18-year-olds enrolled in any Entomology project)

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

EXPLORATORY

Each county may submit one entry in this class.

EXPLORATORY (Welcome to 4-H) (SF 50188)

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

FOODS & NUTRITION

Each county may submit 1 entry in EACH of the following classes 50200, 50201, 50202, 50203, 50204, 50205, 50206, 50207, 50208, 50209, 50210.

MENUS WILL BE REQUIRED AT COUNTY EXHIBITS.

GENERAL GUIDELINES FOR WRITING MENUS: A menu should be typed or written on a note card or a piece of paper. List main dish first, then vegetables or other accompaniments, salads, bread, or rolls, then dessert and beverage last. Dinner menus should include at least one hot dish. Lunch menus may or may not include a hot dish. Make sure your food exhibit item is included in the menu. Make sure you have a balanced menu. Refer to My Plate for help.

4-H Cooking 101: (SF 50200)

You may exhibit any/all of the options.

Using the recipes included in the project manual, prepare an exhibit of:

- 3 Cereal Marshmallow Bars (2 inch squares)
- 3 Oatmeal Drop Cookies
- 3 Peanut Butter Cookies
- 3 Jackpot Drop Cookies
- 3 Chocolate Crinkles
- ¼ of 8" square or round Coffeecake
- 3 Brownies (2 inch squares) **NOT STATE FAIR ELIGIBLE**
- 3 pieces of Cornbread (2 inch squares) **NOT STATE FAIR ELIGIBLE**
- Zoo Snacks (1 cup in plastic bag) **NOT STATE FAIR ELIGIBLE**

Include the recipe and a menu for one meal including the food item. The recipe and menu may be written or typed on a note card or on a piece of paper. Should be displayed on a disposable plate placed in a zip-sealing plastic bag.

4-H Cooking 201: (SF 50201)

You may exhibit any/all of the options.

Using the recipes included in the project manual, (NO variations from the core recipes), prepare an exhibit of:

- 3 Cheese Muffins
- 3 Scones
- 1 loaf (9" x 5") of Basic Nut Bread)

Include the recipe and a menu for one meal including the food item. The recipe and menu may be written or typed on a note card or on a piece of paper. Should be displayed on a disposable plate placed in a zip-sealing plastic bag.

4-H Cooking 301: (SF 50202)

You may exhibit any/all of the options.

Using the recipes included in the project manual, prepare an exhibit of:

- 3 Dinner Rolls
- loaf of Yeast Bread
- 1 Swedish Tea Ring
- 3 Cinnamon Rolls
- 1 layer of a Rich White Cake (top side up (without frosting)
- 1 layer of a 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. Include the recipe and a menu for a special occasion meal that includes the food item exhibited. The recipe and menu may be written or typed on a note card or piece of paper. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag.

4-H Cooking 401: (SF 50203)

You may exhibit any/all of the options.

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)
- 1 baked pie shell – traditional, oil, or whole wheat (no graham cracker)
- ¼ Golden Sponge Cake, top side up, without frosting
- ½ loaf German Rye Bread.
- ¼ Angel Food Cake **NOT STATE FAIR ELIGIBLE**
- Microwave Fudge (3 pieces) **NOT STATE FAIR ELIGIBLE**

Include the recipe and a menu for a special occasion meal that includes the food item exhibit. The recipe and menu may be written or typed on a note card or piece of paper. Display exhibit on a disposable plate and place in a zip-sealing plastic bag.

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 50205)

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 50206)

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 50207)

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

Food Preservation: (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. Note that exhibits will not be judged on taste.

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, 2014.
- Green beans, pressure canner. July 13, 2014.
- Beef jerky, food dehydrator and oven. July 13, 2014.

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 Canning
- Kerr Canning

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.

Meat & Other Protein Sources (not eligible for state fair)

Prepare a nutrition education display related to one of four topics from this project manual: nutritional value, food safety, food preparation, or food buying of meat and other protein sources. There is NOT a food exhibit option for this class.

Foods Nutrition Ready4Life Challenge: (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 Clover Challenge: (SF 50209)

(Open to 15- to 18-year-olds enrolled in the Foods Clover Challenge Project who have completed 4-H Cooking 101, 201, 301 and 401.) Exhibits in this category should go “above and beyond” what the

4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

FORESTRY

Each county may submit 1 entry total from 50212, 50213, 50214, 50215; 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 Clover Challenge: (SF 50215)

(Open to 15- to 18-year-olds enrolled in the Forestry Clover Challenge Project who have completed Forestry 1, 2, and 3.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

GEOLOGY Each county may submit 3 entries total from 50218, 50219, 50220, 50221, 50222, 50223; 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 who were at least 13 years of age on 9/1/16 and are 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 Clover Challenge: (SF 50223)

(Open to 15- to 18-year-olds enrolled in the Geology Clover Challenge Project who have completed all previous Geology levels.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

GEOSPATIAL (not eligible for state fair)

Exploring Spaces, Going Places: Level 1

Exhibit one of the two options listed below:

- Using the ‘Take Me on a Tour ’ activity, create a display and map showing four to six tour sites, geo-tools used to create the map, positional data for the sites, and information about the selected sites. **OR**
- Using information from the “What Are Geographical Tools?” activity, prepare an exhibit showing and describing ten mapping tools. Explain how the mapping tools are used and why maps are important.

Exploring Spaces, Going Places: Level 2

Using the table from the “Take Me on a Tour” activity, create a map showing recreational, historical or public service sites in your community. Determine if there is a need for additional community resources. Make written suggestions for what resources should be added and where they should be located on your map.

Exploring Spaces, Going Places: Level 3

Create a computer-generated map with layered data that provides information on a community need. Explain how the need was identified; how you gathered information; and your recommendations on how to solve the need. Use the template from “Take Me on a Tour” activity to gather data for the map.

Geospatial Ready4Life Challenge: (not eligible for state fair)

(Open to 11- to 18-year-olds enrolled in the Geospatial project)

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

Geospatial Clover Challenge: (not eligible for state fair)

(Open to 15- to 18-year-olds enrolled in the Geospatial Clover Challenge project who have completed Geospatial 1, 2, and 3.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.** The agreement can be found at: <http://web.extension.illinois.edu/state4h/projects/>.

GOATS – classes are subject to change. Final classes will be listed on registration sheet.

1. Quality Assurance and Ethics Certification is required.

Classes offered are subject to change. Complete listing of classes will be on your Yellow Registration Sheet. Breeds: Dairy, Meat (including Boars, Kikos & Fainting Savannas) and Pygmy

<p>Dairy Kid under one year Yearling not in milk</p>	<p>Meat Buck under 3 months Buck 3 months to under 6 months Buck 6 month to under 12 months Buck 1 year & over Doe under 3 months Doe 3 months to under 6 months Doe 6 months to under 12 months Doe 1 year & over Wether (lightweight & Heavyweight)</p>	<p>Pygmy Doe under one year Doe over one year Buck under one year Buck over one year Wether</p>
<p>Display poster, animal not shown</p>		

Goat Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Goat Clover Challenge project who have completed all levels of the Goat project.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

HEALTH

Each county may submit 3 entries total from 50226, 50227, 50228, 50229, 50230; 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 who were at least 13 years of age on 9/1/16 and are enrolled in Health 1, 2 or 3)

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

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 Clover Challenge: (SF 50230)

(Open to 15- to 18-year-olds enrolled in the Health Clover Challenge Project who have completed Health 1, 2 and 3.)

Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

HORSE – Unit 15 Combined Horse Show**1. Quality Assurance and Ethics Certification is required.**

Rules

1. Quality Assurances and Ethics Certification is required.
2. It is HIGHLY recommended members attend a clinic presented by Extension or another outside source.
3. Must have current negative Coggins test.
4. “Guidelines for 4-H Horse Shows” will be followed.
5. The Judge, superintendent, or Extension staff may dismiss from any class, show or grounds, any exhibitor who is cruel and abusive of any equine, fails to follow or obey instruction, cannot maintain control of an unruly horse or fails to cooperate with show management or other exhibitors.

6. For leased horses –an agreement and photo of each side of the horse must be on file in the Extension office by May 1 of the current year.
7. A horse may be shared by members of the same family.
8. No Stallions are allowed.
9. Each exhibitor is permitted only one entry in each class.
10. In each class there may only be one rider per horse.
11. Junior Exhibitor: 8-13 years old as of September 1 of the current 4-H year.
12. Senior Exhibitor: 14-19 years old as of September 1 of the current 4-H year.
13. **Western wear:** Western hat and boots pant and buttoned shirt. **English wear:** English cap and boots are required.
14. Classes will be list on the member "Yellow Registration Sheet" and are subject to change.
15. Exhibitors will be awarded an A, B, or C rating.
16. An overall winner of each class will be selected.
17. Judges decision is final.

Classes

1. Sr. Showmanship- Shall be judged strictly on the 4-Her's ability to fit, groom and show his/her horse at Halter. Conformation is NOT to count. English or Western tack/attire maybe used. Individual patterns will be used.
2. Jr. Showmanship - Shall be judged strictly on the 4-Her's ability to fit, groom and show his/her horse at Halter. Conformation is NOT to count. English or Western tack/attire maybe used. Individual patterns will be used.
3. Sr. Horsemanship - Riders to be judged more than the horse & will be judged on seat, hands, legs and the ability to control and show the horse displaying a precise ride in total unison with their horse. A Pattern will be used, including walk, trot, and canter. Exhibitors may also be asked by the judge question about tack, anatomy, horsemanship, etc. English or Western tack/attire maybe used.
4. Jr. Horsemanship - Riders to be judged more than the horse & will be judged on seat, hands, legs and the ability to control and show the horse displaying a precise ride in total unison with their horse. A Pattern will be used, including walk, trot. Exhibitors may also be asked by the judge question about tack, anatomy, horsemanship, etc. English or Western tack/attire maybe used.
5. Sr. Western Pleasure - Will be judged at the walk, trot, and canter both ways of the arena. Horses will be required to back. The horse is judged more than the rider and will be judged on performance, manners and way of going.
6. Jr. Western Pleasure - Will be judged at the walk, trot both ways of the arena. Horses will be required to back. The horse is judged more than the rider and will be judged on performance, manners and way of going.
7. Sr. English Equitation - To be judged on the ability of the rider, seat, hands, body and leg positions and the ability to control and show the horse. A combined performance of the rider and the horse at a walk, trot, canter and backing. A pattern will be used.
8. Jr. English Equitation - To be judged on the ability of the rider, seat, hands, body and leg positions and the ability to control and show the horse. A combined performance of the rider and the horse at a walk, trot, and backing. A pattern will be used.
9. Sr. Trail – Based on horse's willingness to negotiate obstacles.
10. Jr. Trail – Based on horse's willingness to negotiate obstacles.
11. Trot Barrels – exhibitors in this class cannot compete in barrels or poles
12. Trot Poles – exhibitors in this class cannot compete in barrels or poles
13. Barrels – exhibitors in this class cannot compete in trot barrels or trot poles
14. Poles – exhibitors in this class cannot compete in trot barrels or trot poles
15. Novelty Class – to be determined day of show

Horse Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Horse Clover Challenge project who have completed all levels of the Horse project.) Exhibits in this category should go "above and beyond" what the 4-H

project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.** The agreement can be found at: <http://web.extension.illinois.edu/state4h/projects/>.

HORTICULTURE: FLORICULTURE

Each county may submit 3 entries total from 50192, 50193, 50194, 50195, 50196, 50197; 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;
AND/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.
AND/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.
AND/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 or dish garden. Plants should have been 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.
AND/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.
AND/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, 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. Herbs dried and used in an artist display should be entered in this class.

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 Clover Challenge: (SF 50197)

(Open to 15- to 18-year-olds enrolled in the Floriculture Clover Challenge Project who have completed Floriculture A, B, C and D.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

HORTICULTURE: VEGETABLE GARDENING

Each county may submit 3 entries total for 50314, 50315, 50316, 50317; 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 and not more than 12 different 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/Display 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 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)	Parsnips (5)
Beans, Lima (12 pods)	Peas, (12 pods)
Beets (5)	Peppers, large fruited (bell/banana) (5)
Broccoli (1 head)	Peppers, small fruited (chili/cherry) (12)
Brussels sprouts (12 sprouts)	Popcorn (5)
Cabbage (1 head)	Potatoes (any variety) (5)
Cauliflower (1 head)	Pumpkin (1)
Carrots (5)	Rhubarb, trimmed stalks (3)
Cucumber, pickling or slicing (5)	Rutabaga (5)
Eggplant (1)	Salsify (5)
Garlic (5)	Squash, summer (any variety) (2)
Kohlrabi (5)	Sweet Corn, in husks (5)
Lettuce (1 head or plant)	Tomatoes, slicing (5)
Muskmelon incl. cantaloupe (1)	Tomatoes, small fruited (12)
Okra (12)	Turnip (5)
Onions, large, dry (5)	Watermelon (1)
Onions, green or set (12)	
Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turks's Turban) (1)	
Beans, Snap, Green Pod or Golden Wax (12 pods)	
Greens (collard, endive, escarole, kale, mustard, spinach, Swiss chard) (1 plant)	
Horseradish Root (1 marketable root specimen harvested this year)	

Vegetable Gardening Display: (SF 50316)

(Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, Vegetable Gardening D) Present an exhibit of the member's choice that focuses on some aspect of vegetable gardening which does not fit in the categories above. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Herbs growing in pots should be entered in this class.

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 Clover Challenge: (SF 50317)

(Open to 15- to 18-year-olds enrolled in the Vegetable Gardening Clover Challenge Project who have completed Vegetable Gardening A, B, C and D.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

INTERCULTURAL

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

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.

Passport to the World Clover Challenge: (SF 50234)

(Open to 15- to 18-year-olds enrolled in the Intercultural Clover Challenge Project who have completed previous Intercultural projects.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit. Due to space restrictions, exhibits are limited to 2’ 6” wide and 15” deep.

Passport to the World, Club, Includes Passport to the World 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 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 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 3 entries total from 50242, 50243, 50244, 50245, 50246; 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 youth who were at least 13 years of age on 9/1/15 and are enrolled in Interior Design.)

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

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 Clover Challenge: (SF 50246)

(Open to 15- to 18-year-olds enrolled in the Interior Design Clover Challenge Project who have completed all levels of Interior Design.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

LEADERSHIP

Each county may submit 3 entries total from 50249, 50250, 50251, 50252, 50523; 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 who were at least 13 years of age on 9/1/16 and are enrolled in Leadership 1, Leadership 2, or Leadership 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 Clover Challenge: (SF 50253)

(Open to 15- to 18-year-olds enrolled in the Leadership Clover Challenge Project who have completed Leadership 1, 2, and 3.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

Leadership Group Exhibit: (SF 50254) **(Open to clubs and groups whose members are enrolled in Leadership 1-3; Step Up to Leadership 1-4; and What's Leadership?)** Exhibit a display illustrating how your group has used the Teens As Leaders model effectively in your club, community, school, or state. Leadership activities might include planning, advising, promoting, mentoring, teaching or advocating for change. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. The display must be accompanied by 3 or more 4-H members at the time of the judge's critique. Club members should make a 5- to 10-minute presentation to the judge. All club members present for the judge's critique should be able to discuss the project and answer questions. Only club members present for judging who participate in the actual critique and presentation are eligible for ribbons and premiums. Due to space limitations, exhibits are limited to 2'6" wide and 15" deep.

NATURAL RESOURCES

Each county may submit 5 entries from 50256, 50257, 50258, 50259, 50260, 50261, 50262, 50263, 50264, 50265, 50266; 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.

Sportsfishing 1: (SF 50260)

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

Sportsfishing 2: (SF 50261)

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

Sportsfishing 3: (SF 50262)

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

Wildlife A: (SF 50266)

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

Wildlife B: (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.

Natural Resources/Sportsfishing/Wildlife Innovation Class: (SF 50264)

(Open to youth who were at least 13 years of age on 9/1/16 and are enrolled in any Natural Resource Project.) Demonstrate the skills and knowledge you have gained through the project you have studied. **Your exhibit should not fit in the other exhibit options for this project.** This could be related to, but not limited to habitat construction, maintenance, water quality, fish biology, or involvement with citizen science efforts. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Natural Resources Ready4Life Challenge: (SF 50267)

(Open to 11- to 18-year-olds enrolled in any Natural Resources project)

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

Natural Resources Clover Challenge: (SF 50265)

(Open to 15- to 18-year-olds enrolled in the Natural Resources Clover Challenge Project who have completed Natural Resources 1, 2, 3.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

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 four entries total from 50268, 50269, 50270, 50271, 50272, 50273; and one 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:

<http://web.extension.illinois.edu/state4h/members/fairsandexhibits.cfm>. Photos may be taken with a camera, an electronic tablet (i.e. iPad), or a cell phone.

Photography 1: (SF 50268)

Exhibit one of the options listed below:

- Exhibit 5 to 7 photos that tell a story. The story should have a beginning, middle, and end. Captions are optional. Exhibit will be judged on how well the pictures tell a story and use of composition techniques. Photos should be mounted on a poster. No photo editing is allowed in this class except cropping and red eye removal; **AND/OR**
- Exhibit one framed 8"x10" or two framed 5"x7" photos which demonstrate 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; **AND/OR**
- Exhibit one framed 8"x10" or two framed 5"x7" photos 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; **AND/OR**
- Exhibit one framed 8"x10" or two framed 5"x7" photos 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.

Photography Innovation Class: (SF 50272)

(Open to youth who were at least 13 years of age on 9/1/16 and are 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 Clover Challenge: (SF 50273)

(Open to 15- to 18-year-olds enrolled in the Photography Clover Challenge Project who have completed Photography 1, 2 and 3.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

PLANTS & SOILS (not eligible for state fair)

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 Clover Challenge: (Not eligible for state fair)
(Open to 15- to 18-year-olds enrolled in the Plants & Soils Clover Challenge Project who have completed Plants & Soils 1, 2 and 3.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

POULTRY - classes subject to change. Final classes will be listed on registration sheet.

1. **Quality Assurance and Ethics Certification is required.**
2. Your invoice or receipt will be required to show the Fair Veterinarian. If you hatched your own poultry, your NPIP Approval Number will be required to show the Fair Veterinarian.
3. All poultry must have been hatched during the current year.
4. Pen to consist of one cockerel and two pullets.
5. Only exhibits from the meat classes of poultry may be sold in the 4-H auction.
6. Eggs will be exhibited under the poultry division. One dozen eggs (white or brown) will be the exhibit requirement.
7. Turkeys and waterfowl will be exhibited in the poultry division.
8. Classes offered are subject to change. Complete listing of classes will be on your Yellow Registration Sheet.

<p>Large Fowl-Cockerel or Pullet Rhode Island Rd (S.C. or R.C.) AOV American Class Any Continental or any other Standard Breed English Asiatic Hybrid-dual purpose or egg (NO White Rock) Cornish Cross allowed Mediterranean</p>	<p>Bantams-Cockerel or Pullet Featherleg Single Comb Clean Leg Rose Comb Clean Leg Modern, Old English, American Game AOCCL</p>	<p>Miscellaneous Birds-Cockerel or Pullet</p>
<p>Waterfowl-Drake or Duck Heavy Ducks Medium, Light or Bantam Ducks Geese-Gander or Goose</p>	<p>Turkeys-Tom, Hen, Pair</p>	<p>Trios (Birds will be weighed) Broiler (any breed or sex, 3 lbs. maximum weight/bird) Baker (any breed or sex, 8 lbs. maximum weight/bird)</p>

Poultry Clover Challenge: (SF 50136)
(Open to 15- to 18-year-olds enrolled in the Poultry Clover Challenge project who have completed all levels of the Poultry project.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.** The agreement can be found at: <http://web.extension.illinois.edu/state4h/projects/>.

RABBIT – classes subject to change. Final classes will be listed on registration sheet.

1. **Quality Assurance and Ethics Certification is required.**
2. Only exhibits from the meat classes of rabbits may be sold in the 4-H Auction.
3. 4-H member are responsible for reporting to the Department Superintendent if he/she wishes to sell a meat pen at the 4-H auction.
4. Junior rabbits are rabbits less than 6 months of age and senior rabbits are 6 months or older. Date for determining age is the date of the show.

Classes offered are subject to change. Complete listing of classes will be on your Yellow Registration Sheet.

Breeds: Dutch, New Zealand (all colors), California, Lops (all breeds), All Rex, Satin, AOB

Senior Buck 6-8 month Buck	Senior Doe 6-8 month Doe	Junior Buck Junior Doe
Young Meat Pen Three rabbits, any breed or sex, 5 lbs. per head maximum weight	Display poster, animal not shown	

Rabbit Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Rabbit Clover Challenge project who have completed all levels of the Rabbit project.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

ROBOTICS

Each county may submit 4 entries total from 50284, 50285, 50286, 50287, 50288, 50289, 50290, 50291, 50292; and 1 from 50293.

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 50284, 50285, or 50286 are designed to be used with the 4-H Robotics Platforms curriculum which uses LEGO Mindstorms (NXT or EV3).
- Any other programmable robot kit such as Arduino or Raspberry Pi, should be exhibited under Open Source Robotics Class (50293), Innovation Class (50290) or Ready4Life Challenge Class (50292).

Robotics Platforms: Exhibitors in Robotics Platforms are **required** to bring a Robotics Notebook in which they have recorded their engineering design experience. State fair exhibits for this class are individual only.

Robotics 1: Beginning: (SF 50284)

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.

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: (SF 50287)

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 Innovation Class: (SF 50290)

(Open to youth who were at least 13 years of age on 9/1/16 and are enrolled in Robotics Platform or Junk Drawer Robotics.)

Exhibit an original robot, either homemade or a kit that does not fall under Robotics Platforms that can complete a task using sensors (Arduino based robots should be exhibited in Innovation Class). 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 Platforms exhibit option. Exhibitors in Robotics Innovation Class must bring a detailed Engineering notebook that describes how the exhibitor designed, built and programmed the exhibit.

Open Source Robotics (SF 50292)

(Open to youth in either Robotics 1-2, Junk Drawer Robotics 1-3, Computer Science 1, Computer Science Explore)

Robot exhibits in this class must be either originally designed or built from a kit of reconfigurable parts and components. Autonomous control of the robot must be achieved using an "open source" platform such as

Arduino or Raspberry Pi and can be programmed using a coding language that is publically available. Robots must be able to complete at least one physical task that may include following a path or manipulating an object, and it must receive and respond to at least one form of input such as avoiding an obstacle or choosing between two colors. Exhibits must include an engineering notebook that describes the exhibitor designed, built, and programmed the robot.

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 Clover Challenge: (SF 50291)

(Open to 15- to 18-year-olds enrolled in the Robotics Clover Challenge Project who have completed Robotics 1, 2 and 3.)

Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

SHEEP – classes subject to change. Final classes will be list on registration sheet.

1. **Quality Assurance and Ethics Certification is required.**
2. All market lambs **MUST** be docked and castrated.
3. All purebred-breeding animals must be registered in the name of the exhibitor and must have an ear tag.
4. Date for computing age of sheep will be September 1st of the previous year.
5. ALL rams must be purebred.
6. ALL sheep must be docked.
7. Sheep in all classes must be fitted.

Classes offered are subject to change. Complete listing of classes will be on your Yellow Registration Sheet.

Breeds: Columbia, Hampshire, Montadale, Oxford, Suffolk, Shropshire, Dorset, Southdown, AOB

Fall Ram Lamb born Jan 1, 2016	Spring Ram Lamb born on or after Jan 1, 2016	Ewe, one year and under 2
Pr Ewes, one year and under 2	Fall Ewe Lamb born before Jan 1, 2016	Spring Ewe Lamb born Jan 1, 2016
Pr Ewe Lambs	Wether Lamb	Market Ewe Lamb
Pr Wether Lambs	Pr Market Ewes	Display poster, animal not shown

Sheep Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Sheep Clover Challenge project who have completed all levels of the Sheep project.)

Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

SHOOTING SPORTS (not eligible for state fair)

4-H members enrolled in 4-H Shooting Sports may choose to exhibit a display in addition to or instead of participating in a Shooting Sports Event. Members must be a member of an approved 4-H Shooting Sports Club to exhibit. No live ammunition, actual firearms or parts of a firearm that could be reassembled should be included. Any manufactured part of a sporting arm may not be displayed. Human Silhouette targets will not be displayed. All exhibits should be posters suitable for display to the general public. Exhibits deemed to be inappropriate will not be displayed.

Shooting Sports: Archery

Exhibit a poster depicting safe firearm/archery handling, range safety, the parts of the (bow, rifle and/or shotgun), tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

Shooting Sports: Rifle

Exhibit a poster depicting safe firearm/archery handling, range safety, the parts of the (bow, rifle and/or shotgun), tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

Shooting Sports: Shotgun

Exhibit a poster depicting safe firearm/archery handling, range safety, the parts of the (bow, rifle and/or shotgun), tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

Shooting Sports: Hunting & Outdoor Skills

Exhibit a poster related to something you learned in the Hunting & Outdoor Skills project.

Shooting Sports Ready4Life Challenge: (Open to 11- to 18-year-olds enrolled in any Shooting Sports project)

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

SMALL ENGINES

Each county may submit 1 entry total for 50294, 50296; 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 Clover Challenge: (SF 50296)

(Open to 15- to 18-year-olds enrolled in the Small Engines Clover Challenge Project who have completed Small Engines 1, 2 and 3.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

SMALL PETS-see also Animal Science

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.

Animal Science Guinea Pig Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Small Pets Clover Challenge project who have completed all levels of the Small Pets project.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

SWINE – classes subject to change. Final classes will be listed on registration sheet.

1. **Quality Assurance and Ethics Certification is required.**
2. All hogs must be individually earnotched.
3. Litters must all be from the same sow and carry the same litter earnotch and can be a combination of one boar, one barrow, and one gilt or two gilts and one boar or one barrow.
4. All swine must have been farrowed on or after January 15th of the current year.
5. Registration papers will be checked at the time of placement. Each pig must have its own papers.
6. Commercial gilts may be a crossbred or a purebred not eligible for registry.
7. Senior animals must be born January 15 – February 10 of the current year and all junior animals must be born after February 11.

Classes offered are subject to change. Complete listing of classes will be on your Yellow Registration Sheet.

Breeds: Berkshire, Chester White, Duroc, Hampshire, Poland China, Spotted Hogs, Yorkshire, AOB, Crossbred

Sr. Gilt (farrowed between Jan. 1 and Jan. 31, 2016)	Jr. Gilt (farrowed on or after Feb. 1, 2016)	Pr. Gilts
Crossbred Gilt	Purebred Pair Barrows	Purebred Barrows
Crossbred Barrows	Crossbred Pair Barrows	Average Daily Gain
Display poster, animal not shown		

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 Clover Challenge: (SF 50136)

(Open to 15- to 18-year-olds enrolled in the Swine Clover Challenge project who have completed all levels of the Swine project.) Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.**

THEATRE ARTS

Each county may 3 entries total for 50299, 50301, 50302, 50303; 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 who were at least 13 years of age on 9/1/15 and are 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 Clover Challenge: (SF 50303)

(Open to 15- to 18-year-olds enrolled in the Theatre Arts Clover Challenge Project who have completed Theatre Arts 1, 2 and 3.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

TRACTOR

Each county may submit 2 entries total for 50306, 50307, 50308, 50309, 50310, 50311; 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 who were at least 13 years of age on 9/1/165 and are 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 Clover Challenge: (SF 50311)

(Open to 15- to 18-year-olds enrolled in the Tractor Clover Challenge Project who have completed Tractors A, B, C and D.)

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit. The agreement can be found at: <http://web.extension.illinois.edu/state4h/projects/>.

VETERINARY SCIENCE

Each county may submit 1 entry total from 50320, 50321; 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.

Veterinary Science Clover Challenge: (SF 50321)

(Open to 15- to 18-year-olds enrolled in the Veterinary Science Clover Challenge Project who have completed Vet Science 1, 2 and 3.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

VIDEO/FILMMAKING

Each county may submit 3 entries total from 50324, 50325, 50326, 50327, 50328, 50329; and 1 entry from 50330. Enrollment in the Video project is required to exhibit in the classes in this section.

Exhibitors have several options available for their exhibits in these classes. Select the best option for you.

1. Exhibitors may 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 help avoid technical difficulties when viewing during conference judging. Exhibitors must bring their YouTube login information and/or video URL to share with the judge.
2. Exhibitors may bring their video on DVD or a media storage device (USB). Exhibitors should be aware that sometimes systems may not be compatible with their home systems, so the video may be distorted or not play.
3. Exhibitors may choose to bring their own laptop or electronic tablet to play the video. No internet access will be available for personal laptop usage, so if the exhibitor chooses this method, the video should already be on the laptop/tablet.

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 who were at least 13 years of age on 9/1/16 and are 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/Filmmaking Clover Challenge: (SF 50329)

(Open to 15- to 18-year-olds enrolled in the Video/Filmmaking Clover Challenge Project who have completed all previous levels of Video/Filmmaking.)

Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

VISUAL ARTS (1 State Fair entry in each class of the following classes: Paper, Fiber, Clay, Wood, Glass/Plastic, Metal, Nature, Computer-Generated Art, Three-Dimensional Design/Mixed Media, Heritage Arts, Scrapbooking, Food Decorating, and Clover Challenge; 2 entries in Chalk/Carbon/Pigment. Each county may also submit one entry in the Visual Arts Ready4Life Challenge Class.

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). 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. The exhibit must combine parts of different patterns and/or ideas with the concepts of the member will work, however changing the color or changing the size of the item or pattern used does NOT make it original. If you create a replica of what you see somewhere else, it is not your original design. If a photo, sketch, or other idea source was used as inspiration, 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)

Exhibit one or all 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 or all 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: (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. Note: Please enter painting on wood, metal, or textiles in Heritage Arts. 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. Page 34 of the Illinois 4-H Arts Visual Arts Member's Manual gives basic directions for a mat, but purchased, pre-cut mats are acceptable.

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. If the art created is designed to hang, then the entry should have some protective covering, such as a glass frame, and prepared for hanging. If the art is something that has been created with a laser cutting program/device and is NOT designed to hang, it does not require protective covering nor does it need to be prepared to hang.

Visual Arts Fiber: (SF 50339)

Any original item made of fiber. Examples are quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, wearable art, and duct tape artistry. All baskets and decorated textiles (such as painted shirts or stenciled clothing) should be entered in Heritage Arts. **Original** cross-stitched, knitted, 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 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. Cross-stitched, knitted and crocheted items by pattern must be entered in this class. (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 from a traditional pattern, traditional handmade dolls with handmade costumes, decorative painting on wood, metal, fiber, or candles. ALL baskets should be entered in Heritage Arts.

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 **free-standing** (not meant to be hung) that is observable on at least three different sides. Originality and design are important concepts. Craft and preformed or assembled projects are not acceptable.

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.

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 Clover Challenge: (SF 50350)

(Open to 15- to 18-year-olds enrolled in the Visual Arts Clover Challenge Project who have completed all previous levels of Visual Arts.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

WELDING

Each county may submit 2 entries total from 50353, 50354; 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 Clover Challenge: (SF 50354)

(Open to 15- to 18-year-olds enrolled in the Welding Clover Challenge Project who have completed previous Welding projects.)

Exhibits in this category should go “above and beyond” what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.

WOODWORKING

Each county may submit 2 entries total from 50357, 50358, 50359, 50360, 50361; 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. (Exhibitors will be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

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. (Exhibitors will be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

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. (Exhibitors will be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

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 Clover Challenge: (SF 50361)

(Open to 15- to 18-year-olds enrolled in the Woodworking Clover Challenge Project who have completed Woodworking 1, 2, 3 and 4.) Exhibits in this category should go "above and beyond" what the 4-H project books cover and should represent an accumulation of years of project study. 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 completed Illinois 4-H Clover Challenge Agreement must be presented with the exhibit.