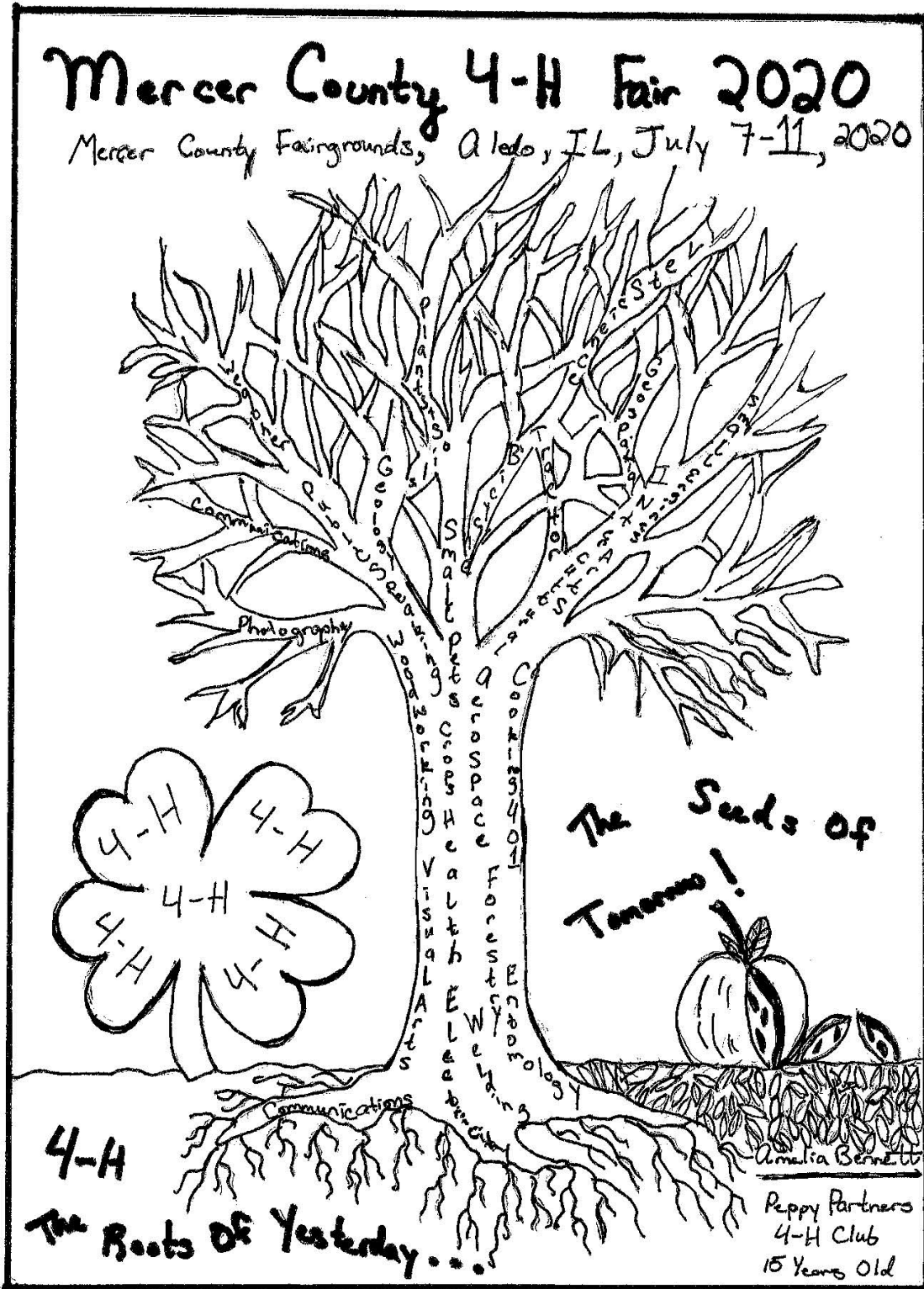


Mercer County 4-H Fair Book 2020



I ILLINOIS
 Extension
 COLLEGE OF AGRICULTURAL, CONSUMER
 & ENVIRONMENTAL SCIENCES



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UNIVERSITY OF ILLINOIS EXTENSION

2020 MERCER COUNTY 4-H FAIR SCHEDULE

Sunday, July 5

2 p.m. Clean-up/Set-up

Monday, July 6

8:30 – 11 a.m. Conference Judging in Floral Hall and downstairs north end of Merchant's Building
11 a.m. Set-up 4-H Club Booth Displays

Tuesday, July 7

8:30 a.m. Poultry Show, Swine Barn
10:00 a.m. Rabbit Show, Show Ring
1-3 p.m. Beef Check-in & Weigh-in
2:30- 3 p.m. Sheep Check-in & Weigh-in
4 p.m. Sheep Show, Sheep Barn

Wednesday, July 8

8 a.m. Dog Obedience & Showmanship, Pavilion east of Secretary's office
9 a.m. Beef Show, Show Ring
10 – 12 p.m. Swine Check-in & Weigh-in

Thursday, July 9

8 a.m. Goat Check-in & Weigh-in
9 a.m. Goat Show, Goat Barn
9 a.m. Swine Show, Swine Barn
4 p.m. Jr. and Sr. Master Showmanship Contest

Friday, July 10

9 a.m. Dairy Show
3 p.m. Set-up and assemble plaques for the Youth Auction
6 p.m. Mercer County Youth Livestock Auction, Swine Barn

Sunday, July 12

12- 2 p.m. Check-out/pick-up 4-H general projects in Floral Hall

Sunday, July 19

8 – 8:30 a.m. Mercer County 4-H Horse Show Check-in
9 a.m. Horse Show, 4K Arena, 2492 75th Ave. Viola IL

Other 4-H Exhibit Opportunities

Saturday, March 28

1 p.m. 4-H Communication Contest @
United Methodist Church 2652 170th Ave Preemption, IL

THANK-YOU TO THE FOLLOWING 4-H SPONSORS:

1 st Community Bank	Jack Jungmann	Ty Stead
All Animal Veterinary Clinic	Jeff Hessman and family	WRMJ Radio
BankOrion	Joy State Bank	Young Farms
Bill and Marilyn Hessman	Jr. and Lorraine Kinsey	
Bill and Stacey Boruff	Jungmann Family	
Birkey's Farm Store	Kaitlyn Ryan	
Blackhawk Bank & Trust	Kistler Prairie Mill	
Blessed by Nature	Klein Equipment	
Bluff View Farms	Leland and Nan Martin	
Bob Davison Memorial	Line Family	
Brian and Sandy Harkey	Local Breeder's Association	
Buffalo Prairie State Bank	Lop Rabbit Club of America	
Burrus Seed Company	Loving Plumbing & Heating	
Buyers Group	Luke Jungmann	
Camp Creek Cattle	Mercer County Alumni	
Campbell Farms	Mercer County Eye Care	
Carl Anderson Memorial	Mercer County Farm Bureau	
Cash Memorial- Davison Farms	Mercer County Friends of 4-H	
Charley Martin Horseshoeing	Mercer County Pro- Ag	
Cheline Farms	Mercer County Youth Auction	
Cliff Nesbitt Family	Mercer Market	
County Line AgriService	Merle and Doris Hyett Memorial	
Compeer Financial	Midwest Bank of Western Illinois	
Cpt. Joshua Steele Memorial	Morris and Lloyd Shorthorns	
Dale Jones & Co. Auctioneers	Morrison's Market	
Dan McLaughlin Memorial	Myrna Adamson Memorial	
Dave and Beth Ryan	New Windsor Youth Horse Show	
Erin Neuleib Memorial	Pork Producers	
Essig Motors, Inc.	Randy and Sharon Coopman	
Evan Biddle Memorial	Reason's Locker Service	
Exchange Club of Aledo	Reynolds Feed and Supply	
Farmer's State Bank	Richardson Family	
Gary and Joyce Smith	River Valley Cooperate	
Gary Mayhew Memorial	Roger and Elizabeth Grundstrom	
Gerald and Judy Young	Ron Partlow Memorial	
Gold Star FS	Sell Farms	
Hamlet Handy Helpers 4-H Club	Speer Funereal Home	
Hamlet Mutual Insurance Co.	Spivey Family	
Heartland Dairy Goat Club	Stan & Brenda Gregory	
Hessman Family	Thomas Trucking	
Huffman's Farm & Home	Tom and Kyle Lloyd	
J & K Accounting	Touchwood Ranch	

4-H SHOW SUPERINTENDENTS

Beef	Bob Cheline
Dairy and Bucket Calf	Cliff Nesbitt
Dog Obedience	Lorraine Kinsey
Goats	Steve Ausmus
Horse and Pony	Leland Martin
Poultry.....	Tracy Austin
Rabbits	Lacey Thirtyacre
Sheep	Bill Boruff
Swine.....	Jim Mayhew

UNIVERSITY OF ILLINOIS EXTENSION STAFF

County Director.....	Jennifer Garner
4-H Youth Development Educator.....	Jennifer Peterson
Horticulture Educator.....	Martha Smith
Coordinator, Marketing & Fund Development	Becky Buckrop
Program Coordinator, 4-H Youth Development	Tracy Pestle
Program Coordinator, Ag Education	Teresa Kirwan
Office Support Assistant.....	Molly Foster

MERCER COUNTY 4-H CLUBS & THEIR ADULT LEADERS

Alexis All Stars.....	Jayne Johnson, Julie Olson
Country Kids.....	Erin Miller
Hamlet Handy Helpers.....	Brenda Close, Kathy Gray, Jason Monson, Chris Zippe
Joy-Eliza Ag.....	Bill and Stacey Boruff, Marissa Boruff, Nikki Holmes
Kimel.....	Shannon Brown, Kim DeBlock, Jill Hays, Krystal Jungmann, Elizabeth Salmon, Becky Zwilling
Peppy Partners.....	Karen Dellitt, Tammy and Eric Bennett
Saddle Teens.....	Jana Baraks, Katrina Erickson, Jaclyn Frerkes, Sarah Nelson, Joyce and Gary Smith
Sherrard 4-H.....	Barb and Jeff Wiedenmann
4-H Teen Federation.....	Annette Speer, Duane and the late Nellie Goderis
Citizen Scientist Club.....	Duane and the late Nellie Goderis
Fishing Club.....	Phillip Moran
Mercer County Dog Club.....	Lorraine Kinsey, Rose Northcutt
Mercer County Horse Club	Leland and Nan Martin
Mercer County Shooting Sports Club Coordinator	Paige Fowler
Air Rifle/ Rifle Instructor.....	Jeremey Conaway
Robotics Clubs.....	Krystal Jungmann, Chris Swanson

MERCER COUNTY 4-H POLICIES

The following is a list of policies to guide 4-H in Mercer County:

1. The 4-H year begins on September 1 and ends August 31.
2. Eligibility- **All persons, regardless of race, color, religion, gender, national origin, ancestry, marital status, familial status, sexual orientation, or disability**, who are eight years of age and has not yet passed their 19th birthday by September 1, of current year **may enroll in 4-H**. Cloverbuds- youth 5 to 7 years of age, can be a member of a 4-H club and participate, but cannot exhibit live animals in county 4-H fairs and/or events, nor can Cloverbuds members receive premium money.
3. Youth may enroll in 4-H at any time during the 4-H year, however members must be in compliance with the Mercer county 4-H attendance policy to exhibit projects in 4-H fair shows/or events. (See policy #7)
4. Re-enrolling members must complete online registration with a project selection by **December 1** of current year. New members must complete the online registration by **March 1**, to exhibit in county 4-H fair shows and/or events. All project additions and changes must be made by **May 1**. **Members may only enroll in one level per project.**
5. 4-H members cannot possess or consume alcohol or other controlled substances.
6. 4-H members may enroll in a 4-H project after entering college, provided he or she can satisfactorily carry out the work of the project(s), meets the 4-H age requirements, and attends at least one 4-H club meeting.
7. Mercer County 4-H members are required to meet the Mercer County 4-H attendance policy to be eligible to exhibit projects in the county 4-H fair shows and/or events. **Mercer County 4-H Attendance Policy is as follows:** 4-H members are required to attend 5 meetings (excused absences allowed by leader's discretion); Help at one 4-H club and/or county 4-H community service activity; Do one talk, illustrated talk and/or demo relating to a current 4-H project.
8. **PREMIUMS FOR 2020 MERCER COUNTY 4-H SHOW**
4-H exhibitors will be paid only ONE PREMIUM PER CLASS. Cloverbuds projects and county only projects are not eligible for premiums.
9. Hiring of judges, space allocations and trophies purchased for county 4-H shows and/or events are based on class entries.
10. ***"The Department of Agriculture shall use its best efforts to secure sufficient appropriations to fund premiums. In any year for which the General Assembly of the State of Illinois fails to make an appropriation sufficient to pay such premiums, premium amounts may not be accurately reflected in this Premium Book."***
11. Premiums will be calculated using an "X" factor. Exact amounts will not be known until after exhibitions. Premiums will be paid at varying levels as follows:
Level 1: Swine, Horse, Beef, Dairy, Sheep, Rabbit, Goat, Poultry, and Dog Obedience
Level 2: Level 3: General Projects, Small Pet Posters, Livestock Poster
Level 3: Non-APF Projects (County Only Projects and Cloverbud Projects)
12. ***Tax Implications for Prizes, Gifts or Awards Program Participants (including minors) will be required to provide their social security number*** or foreign national tax ID number prior to receiving a prize, gift or award to ensure proper IRS reporting as required by law. This sensitive information is kept confidential and handled through security protected software (PEAR). Participants will not be eligible for prize, gift or award if social security or foreign national tax ID information is not provided.

4-H LIVESTOCK SHOW RULES AND REGULATIONS

- 1) Members who fail to comply with Mercer County 4-H Show exhibit requirements, instructions, rules and regulations may be disqualified.
- 2) Each member is required to clean up his/her stall or pen before leaving the fairgrounds. Each member is also expected to keep his/her animals, stalls and pens clean and presentable while on the fairgrounds.
- 3) Entries in the Livestock department are subject to the General Fair and Illinois Livestock Exhibition Regulations concerning health requirements.
- 4) Exhibitors are required to have health certificates for each animal brought onto the fairgrounds in possession and inspected upon arrival at the fair unless otherwise stated in that species rules.
- 5) (YQCA) YOUTH QUALITY CARE OF ANIMALS- All 4-H members that exhibit in Beef, Dairy, Goats, Sheep, Swine, MUST complete one of the Youth Quality Care of Animals trainings, face to face or online by May 1 to exhibit in 4-H County and State 4-H shows. Print out the certificate and keep it in a safe place. This is your proof of completion of the training. Go to: <http://yqca.org> to complete the online training or to register for one of the face to face trainings:
March 7, 3p.m. @BHE,
March 29, 2p.m. @ Aledo Farm Bureau, or
April 5, 2p.m. @ Rock Island county Extension office.
- 6) (QA & E) Quality Assurance & Ethics Member exhibiting Dogs, Horses, Rabbits, Poultry, MUST complete the Quality Assurance & Ethics to exhibit in 4-H County and State 4-H shows. This is completed only one time. Print out the certificate and keep it in a safe place. This is your proof of completion of the training. You must complete the training by May 1 to be eligible to exhibit in the 4-H shows. Go to: <http://web.extension.illinois.edu/qaec> by **May 1** to complete the Quality Assurance & Ethics training.
- 7) All animals exhibited must have been owned and personally cared for by the exhibitor. Purebreds to be shown in breed classes must show ownership of the animals in the name of the exhibitor or ownership by immediate family members including the exhibitor for the period required in the 4-H project.
- 8) All exhibitors must have registration papers proving ownership in possession when weighing in and entering the show ring for purebred classes. EXHIBITORS MAY BE REQUIRED TO SHOW REGISTRATION PAPERS UPON ENTERING THE SHOW RING. Any exhibitors unable to comply will not be allowed to exhibit.
- 9) ANIMAL OWNERSHIP- Once a 4-H member has ownership of an animal, that animal cannot be shown in anyone else's name at ANY show or event. If the animal is shown in someone else's name, the 4-H member forfeits all ownership of that animal and cannot show that animal in any county or state 4-H event or show for that current year.
- 10) All animals are to be shown by the 4-H owners except when two entries are made in the same class, or in cases of sickness, the 4-H owner can have another 4-H exhibitor actively enrolled in Mercer County 4-H (not a Cloverbud) show the animal.
- 11) The privileges of showing will be forfeited if any parent is observed helping a member in the show ring. Appointed assistants will be in the ring to give assistance as needed.
- 12) ALL PROTESTS OF ELIGIBILITY OF EXHIBITORS OR ANIMALS ENTERED IN THE 4-H SHOW MUST BE PRESENTED IN WRITING PRIOR TO THE BEGINNING OF THE CLASS INVOLVED. ALL PROTESTS ARE TO BE DECIDED BY THE SUPERINTENDENT OF THE CLASS. Any irregularities brought to the attention of the superintendent after a class is in progress or after judging has been completed, will be handled in a way encouraging good citizenship training for all 4-H exhibitors.

2020 EXHIBITION LIVESTOCK HEALTH REQUIREMENTS

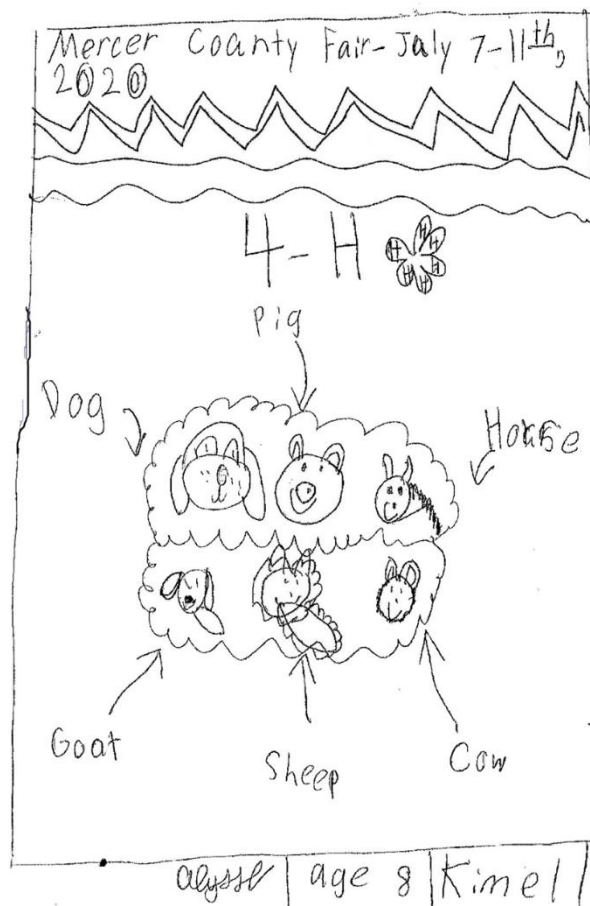
These Exhibition Health Requirements apply to all livestock present at the fair including those animals that are not entered in competitive events

GENERAL REQUIREMENTS

1. Exhibitors are required to familiarize themselves with all rules applicable to their exhibits.
2. All out-of-state animals shall require an entry permit. Entry permit numbers are available by calling the Illinois Department of Agriculture, Monday through Friday from 8 a.m. to 4:30 p.m., at (217) 782-4944. Permits may also be obtained online at: <http://www.agr.state.il.us/AnimalHW/animalregistry/login.php>
3. All animals shall be officially identified. The animal(s) official identification shall be recorded on the CVI.
4. If animals are from tuberculosis accredited, brucellosis certified, pseudorabies qualified, or brucellosis validated herds, the identifying herd number(s) along with the date of the last herd test(s) shall appear on the CVI.
5. CVI for out-of-state livestock shall be void thirty (30) days after issuance.
6. CVI for Illinois-origin livestock shall be void ninety (90) days after issuance.
7. All livestock shall be subject to examination upon entry to any Illinois fair or exhibition. Any animal showing evidence of infectious, contagious or communicable diseases shall be immediately withdrawn and held in quarantine at the owner's risk and expense until properly treated and recovered, or until the animal is released to return to the owner's premise. Any livestock infected with scabies, mange, active lesions of ringworm, sore mouth, or multiple warts, which are easily visible without close examination will be removed from the grounds.

The most up-to-date individual specie health requirements can be found linked at the bottom of this site:

<https://4h.extension.illinois.edu/programs/animal-sciences/livestock-issues>



MERCER COUNTY 4-H NATIVE STEERS

This statement certifies that the following steers were born and/or raised in Mercer County and are eligible for competition in the Native Steer Class at the Mercer County 4-H Show.

- ***This form must be signed and turned into the Extension Office by June 1, 2020.***
- *If your form is not turned in by this date, the steer(s) is ineligible for the Native Steer Class.*
- *Once you have signed up a steer for the Native Class, it can't be changed.*

<u>BREED</u>	<u>COLOR</u>	<u>DATE OF BIRTH</u>	<u>DATE OF PURCHASE</u>	<u>TATTOO</u>
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____

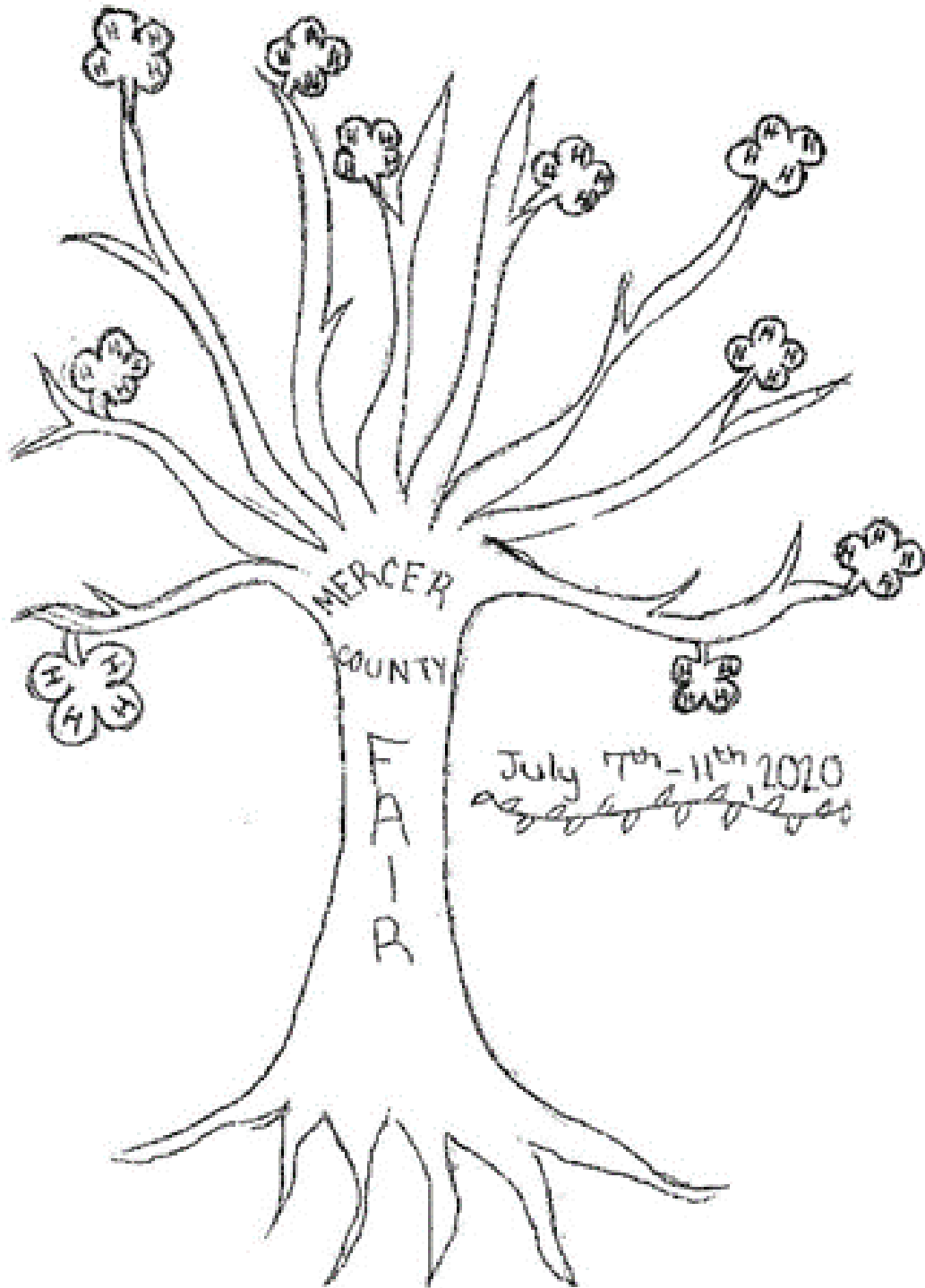
Signature: _____ Date _____
(Owner of calf at the date of birth)

Address: _____

Signature: _____ Date _____
(Present Owner)

Address: _____

Isabella Colbrese (15) Kimmel



REQUIRED CARE OF ANIMALS AT MERCER COUNTY 4-H SHOWS

The Mercer County 4-H program enforces the Illinois Humane Care of Animals Act.

Exhibitors are responsible for providing care and safety measures that protect the animal, exhibitors, and the public. Management practices should include:

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

If questioned about animal care by a stranger, remain calm and be polite. Refer the person to the Department Superintendent or to Extension Staff. Don't try to handle them on your own.

BEEF

Includes members enrolled in Beef 1, Beef 2, and Beef 3

STEERS

Superintendent Robert Cheline

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

Please note at check in:

Registered cattle must be individually identified with the individual registration number and registration tattoo written on the health paper (CVI) to qualify as official identification. A copy of the registration paper must be presented with the health paper. Incomplete health certificates (CVI) will not be accepted. Improperly identified individuals will be asked to leave.

All commercial females over 8 months of age and all intact bulls over 8 months of age must be individually identified with an official identification written on the health paper (CVI). An official identification is an individual registration number and registration tattoo or an official UDSA tag. Incomplete health certificates (CVI) will not be accepted. Improperly identified individuals will be asked to leave.

To be weighed Tuesday - 1-3 P.M.

To be in place Tuesday - 3 P.M.

To be judged Wednesday - 9 A.M.

Classes: Angus, Hereford, Shorthorn, Simmental, All Other Registered Steers, Crossbred, Native

Rules:

1. All steers must be born on or after January 1 previous year.
2. Any steer being shown in a purebred class must present original appropriate registration papers or certificate at weigh-in. Angus - registration papers. Hereford - certificate. Shorthorn - registration papers 15/16 or purebred. Simmental – registration papers ½ or higher.
3. Steers without appropriate papers will be shown as a crossbred steer. Registration papers or certificate MUST be in exhibitors name ONLY, not in the farm or family name. Bring a copy of the registration paper/certificate to be left with the superintendent.
4. All steers may be mouthed to determine if they are eligible to exhibit. No steer can be shown regardless of birth date, that has more than one pair of milk teeth replaced by permanent teeth, and the permanent teeth cannot be advanced enough to be in wear.
5. Class order will be posted the evening before the show.
6. The breed champions will be considered for Grand Champion Steer overall.
7. Limit of 2 entries per class.
8. Exhibitor must have ownership by February 1, of current year.
9. Steers must be tattooed between January 30 and March 15 of current year.
10. Steers exhibiting at State Fair must be tagged with an electronic ID tag.

NATIVE STEERS

Superintendent Robert Cheline

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

Rules:

1. A statement from the breeder stating place of birth MUST accompany the entry for native calves. Forms are available from the Extension Office upon request or by visiting: www.extension.uiuc.edu/hmw and are due with class registrations on June 1.
2. The breeder must reside in Mercer County.
3. Once a steer is entered as a Native it can't be changed.
4. If the Native Steer Form is not turned into the Extension Office by June 1, the steer will not be allowed in the Native class.

BUCKET CALVES

Superintendent Robert Cheline

To be judged Wednesday

Jr. Class- exhibitors age 8-13 as of September 1, 2019

Sr. Class- exhibitors age 14-18 as of September 1, 2019

All exhibitors in the Bucket Calf classes will receive t-shirts. The winner of each class will receive \$100 and second place will receive \$50, sponsored by River Valley Cooperative.

Rules:

1. Beef and Dairy Bucket Calves will show together.
2. Bucket Calves can be Heifers or Steers.
3. Exhibitors MUST be registered in the Bucket Calves Class by June 1 of current year.
4. Bucket Calves must be born after January 1 of current year and feeding of calf must be done by bottle or bucket for at least the first 30 days of the calf's life, or if younger, until time of show.
5. Placing of the calves will be based on knowledge learned by the exhibitor and the appearance and quality of the calf.
6. Proper show halter or rope halter must be used on calf.
7. The calf cannot be shown in any other class and is not eligible for the Youth Livestock Auction.
8. It is not necessary for Bucket Calves to have a health certificate or be tested.

BREEDING BEEF

Superintendent Robert Cheline

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

****Please note at check in:***

Registered cattle must be individually identified with the individual registration number and registration tattoo written on the health paper (CVI) to qualify as official identification. A copy of the registration paper must be presented with the health paper. Incomplete health certificates (CVI) will not be accepted. Improperly identified individuals will be asked to leave.

All commercial females over 8 months of age and all intact bulls over 8 months of age must be individually identified with an official identification written on the health paper (CVI). An official identification is an individual registration number and registration tattoo or an official UDSA tag. Incomplete health certificates (CVI) will not be accepted. Improperly identified individuals will be asked to leave.

To be in place Tuesday - 3 P.M. To be judged Wednesday

Breeding Beef Show Rules:

1. All heifers showing in the registered classes must present original registration papers at check-in in the exhibitors name ONLY (not farm or family name) for class compliance, Exotic breed heifers must be registered and recorded in their respective breed associations.
2. If no registration papers are presented the animal will be entered in the Non-registered Commercial Class. Bring a copy of the registration paper/certificate to be left with the superintendent.
3. Effective dates for ownership must appear on the registration papers. Dates for required ownership are: Senior calves since May 1, Summer and Junior yearling heifers since March 1, Senior yearling since January 1 of current year.
4. Registration papers will be required and must be shown on request.
5. Cow-calf pairs will be judged 50% on the cow and 50% on the calf. The calf must be by the cow being exhibited.
6. The non-registered commercial class is for crossbred or non-registered purebred. They must be owned by exhibitor by May 1.
7. Limit of 2 entries per class
8. Simmental heifers and cows must be registered with $\frac{3}{4}$ or higher.

Breeds: Angus, Hereford, Shorthorn, Simmental, All Other Registered Heifers, and Non- Registered Commercial Heifers

Classes

Sr. Calf- Born 9-01-19 to 12-31-19
Summer Yearling – Born 5-01-19 to 8-31-19
Jr. Yearling – Born 1-01-19 to 4-30-19
Sr. Yearling – Born 9-01-18 to 12-31-18
Cow Calf - Calf born after 1-01-2020
Calf- Born after 1-01-2020

BEEF RATE-OF-GAIN CONTEST

Superintendent Robert Cheline

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

Weighed-in on Saturday, Feb.1, 2020 between 8-10 A.M.

Weighed-out Tuesday, July 7 between 1-3 P.M.

To be in place Tuesday – 3 P.M.

Rules:

1. Must be a market beef animal.
2. Members may feed either a single or 2 singles.
3. No sharing of the same animal between members is permitted.
4. Market beef animals are to be weighed-in on the same day and on the same scales to be eligible.
5. Market beef animals being shown at the fair will weigh-out for rate-of-gain during the check-in weigh-in.
6. No late entries will be accepted.

BEEF SHOWMANSHIP –Animal must be owned by exhibitor.

Exhibitor age as of September 1, 2019

Beginner exhibitors ages 8-10

Intermediate exhibitors ages 11-14

Advanced exhibitors ages 15-18

MASTER SHOWMANSHIP CONTEST

1. Exhibitors must be enrolled in a 4-H livestock project at the contest on Thursday, **July 9 at 4 p.m.**
2. The participant must supply his or her own livestock for competition. Each exhibitor must own or borrow each: a steer or heifer, a market or breeding lamb, and a market hog or breeding gilt.
3. Each exhibitor will exhibit and answer questions about each species.
4. A state delegate from the senior division will be selected to attend the Illinois State Fair 2020 Master Showmanship Contest. An alternate will also be chosen. The state contest is sponsored by Illinois Farm Bureau® and RFD Radio Network.

DAIRY CATTLE

For youth enrolled in Dairy Cattle 1, Dairy Cattle 2, Dairy Cattle 3

Superintendent Cliff Nesbitt

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

To be in place Tuesday – 12 P.M. To be judged Friday - 9 A.M.

Rules:

1. Each exhibitor limited to a maximum of two animals in each class, with a maximum of 8 animals of all breeds.
2. Animals must be purebred and registered in member's name.
3. Entries in the dairy classes must have been the property of the exhibitor and a part of their project accordance with the following dates: Calves and Heifers - June 1 current year, Cows - January 1 current year.
4. Original registration papers must be presented at check in. Bring a copy of papers that can be left with the superintendent at check in.

Breeds

Ayrshires, Brown Swiss, Holsteins/Friesians, Guernseys, Jersey, All Other

Classes:

Spring Heifer Calf - calved on or after March 1, 2020

Winter Heifer Calf - calved between December 1, 2019 & February 29, 2020

Fall Heifer Calf - calved between September 1 & November 30, 2019

Summer Yearling Heifer - calved between June 1 & August 31, 2019

Spring Yearling Heifer - calved between March 1 & May 31, 2019

Winter Yearling Heifer - calved between December 1, 2018 & February 28, 2019

Fall Yearling Heifer - calved between September 1 & November 30, 2018

2 Year Old Cow - calved between Sept 1, 2017 & August 31, 2018

3-Year-Old Cow - calved between September 1, 2016 & August 31, 2017

Mature Cow - calved before September 1, 2016

Dry Cow 3 Years and Over

DAIRY BUCKET CALVES RULES

Bucket Calves must be registered in the Bucket Calves Class by June 1, of current year.

Dairy Bucket Calves will show with the Beef Bucket Calves on Wednesday, in show ring.

Jr. Class- exhibitor's age 8-13

Sr. Class- exhibitor's age 14-18

Bucket calves must be bottle or bucket fed for first 30 days of calf's life or, if younger, until time of show.

All exhibitors in the Bucket Calf classes will receive t-shirts. The winner of each class will receive \$100 and second place will receive \$50, sponsored by River Valley Cooperative.

DAIRY SHOWMANSHIP – Animal must be owned by exhibitor.

Exhibitor age as of September 1, 2019

Beginner exhibitors ages 8-10

Intermediate exhibitors ages 11-14

Advanced exhibitors ages 15-18

DOG OBEDIENCE

Superintendent Lorraine Kinsey

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

To be in place Wednesday – 7:45 A.M. at the Pavilion east of the Secretary's Office

To be judged Wednesday - 8 A.M.

Rules:

1. The same dog cannot be shown in more than one obedience class.
2. All dogs must be brought to the show on a six-foot leather, nylon or canvas leash. No spike collars or tags hanging from the collar will be allowed.
3. Female dogs in season cannot participate in the County 4-H Show.
4. Housing cannot be provided on the fairgrounds for dog entries, thus the exhibitors must check in at the shelter at 7:45 A.M.
5. Dogs more than six months of age must be accompanied with a current official rabies vaccination certificate.
6. Dogs must be under the exhibitor's supervision at all times.
7. A dog being shown in the dog obedience project must be trained by and belong to the exhibitor or to a member of his immediate family or leased for the length of the project with a signed agreement in effect by June 1 of the year in which the dog is being exhibited.
8. Dogs do not have to be AKC registered to show in the obedience show. AKC rules will be used for judging. If a dog has 3 qualifying scores for a degree prior to 6 months of the State Fair 4-H Dog Obedience Show, it must be shown in the next highest class.
9. Exhibitor and dog **MUST** have completed dog obedience training to be eligible to compete at the Mercer County 4-H Fair. Attendance at dog obedience training other than Mercer County will need to be verified by a proof of attendance.
10. Dogs will be judged on cleanliness, general health, and grooming.
11. Exhibitors will be judged on handling skill, knowledge of breed standards of their dog, dog show terminology, and elementary dog anatomy. The judge has the right to question exhibitors in one or all of these areas.
12. Exhibitors must be dressed appropriately or you will be excused from the show. The 4-H staff and superintendents have the right to excuse any member.
13. **To be eligible for to show in the Illinois 4-H State Dog Show the exhibitor must be 8 years old as of Sept. 1, 2018 and must receive a qualifying score of 170 or higher in one of the state qualifying class (50001, 50011,50021, 50031, 50041, 50050, Rally or Showmanship) .**

A county may be represented by one junior showmanship dog/handler team and one senior showmanship dog/handler team who have earned/won their county competition. If a county- winning team(s) cannot attend, alternate team(s) may be entered. (Limited to 1 junior and 1 senior team.) Handlers must be members in the county they are representing. A verification form of county representation, available from the local Extension office, is to be sent with exhibitor's entry form. A dog may compete in only one showmanship class.

Special problems and/or animal welfare concerns not covered by these rules will be acted upon by the superintendent and/or members of Extension staff.

DOG SHOWMANSHIP -Exhibitor age as of September 1, 2019

Senior Class- Exhibitors ages 14-18 - only Grand Champion will be qualified for State Fair

Junior Class- Exhibitors ages 8-13 - only Grand Champion will be qualified for State Fair

Beginner I Class- (This is NOT a State Fair qualifying class)

(For 1st year handlers and 1st year dogs) - All exercises are done on leash.

1. Heel on leash (forward, halt, right turn, slow, normal and fast.) The last order signifies that the handler and dog must break pace. These orders may be given in any sequence and may be repeated if necessary. In executing the about turn, the handler will do a right turn in all cases---Max.70 points.
2. Sit for Examination-----Max. 30 points.
3. Recall----- Max. 40 points.
4. Long Sit-1 minute, on leash -----Max. 30 points.
5. Long Down-1 minute, on leash-----Max. 30 points.

Exercises 4 and 5 will be judged as a group.

Beginner II Class- (This is NOT a State Fair qualifying class)

(For 2nd year or more handlers and 1st year dogs or 2nd year or more dogs and 1st year handlers.) All exercises are done on leash.

1. Heel on leash and figure 8 (forward, halt, right turn, left turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders may be given in any sequence and right turn in all cases-----Max.70 points.
2. Sit for Examination-----Max. 30 points.
3. Recall, off leash----- Max. 40 points.
4. Long Sit-1 minute, on leash ----- Max. 30 points.
5. Long Down-1 minute, on leash-----Max. 30 points.

Exercises 4 and 5 will be judged as a group.

The Following ARE State Fair Qualifying Dog Classes (50001, 50011, 50021, 50031, 50041, 50050, Rally and Showmanship)

50001 Beginner Novice I Class (For inexperienced handlers and inexperienced dogs)

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

50011 Beginner Novice II Class (For experienced handlers and inexperienced dogs or experienced dogs and inexperienced handlers.)

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

50021 Preferred Novice Class

- 1. Heel on Leash and Figure 8.....Maximum points 40
- 2. Stand for Examination (off leash)..... Maximum points 30
- 3. Heel Free (off leash, no finish)Maximum points 40
- 4. Recall (off leash with finish).....Maximum points 30
- 5. Sit or Down Stay-Walk around the Ring..... Maximum points 30
- 6. Sit Stay-Get Your Leash (off leash)..... Maximum points 30

50031 Novice Class

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

50041 Graduate Novice Class

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

50050 Preferred Open Class

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



Rally

Rally demonstrates the dog's ability to follow specified routines in the rally ring and emphasize the exhibition of teamwork between handler and dog doing routines related to obedience. All exercises are judged on leash.

1. All dogs must enter and leave the ring on leash.
2. Class consist of 10 to 15 signs. Handler and dog work as a team to follow directions posted on each sign.
3. Each handler/dog team is timed from start to finish to prevent ties.

Rally Novice

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

Rally Intermediate

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

Rally Advanced

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

Rally Excellent

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

GOAT

For youth enrolled in Dairy Goats 1, Dairy Goats 2, Dairy Goats 3, Meat Goats 1, Meat Goats 2, and Meat Goats 3

Superintendent: Steve Ausmus, phone # 309-582-3128

Assistants: Dave Ryan and Skylar Tumlinson

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

West end of goat barn will be roped off on Thursday for goat exhibitors, trailers, and vehicles. Check in health papers with Fair Vet and goats with superintendent on Thursday at 8 A.M. Scratches and class corrections MUST BE MADE AT CHECK-IN. Stalls will be given at completion of check-in. **All purebred animals must be registered in the exhibitor's name ONLY. Present papers at check in.** Wether weigh-in will follow, with judging at 9 A.M.

Rules:

- Animals must be tattooed and owned by exhibitor. Required dates of ownership are: Kid-June 1 of current year; Milking Does and yearling- January 1 of current year.
- Each exhibitor will be allowed a maximum of 8 females and 3 wethers.
- Goats will be checked in for health papers and correct classes at 8 A.M. Meat Wethers will be weighed-in following check-in.
- Stalls will be assigned to 4-H exhibitors show day.
- **Show apparel for Meat and Other goat breeds** exhibitors; leather shoes, belt, good jeans (NO fashion holes), western collared shirt, or a collared 4-H shirt or 4-H T-shirt. A clean, neat "cowboy" look. **Show apparel for Dairy goat** exhibitors: white collared shirt or a collared 4-H shirt or 4-H T-shirt, white pants, and leather shoes. If pants have belt loops wear a belt.
- The goats are the 4-H exhibitor's 4-H goat projects. All goats need to be able to be stalled or tied. (Absolutely no trailer jump outs.)
- 4-H Exhibitors are expected to: Be courteous, helpful, and kind to each other; give appropriate care to their animals, this includes a water bucket/WATER IN EACH PEN. It is expected that a state employee may/will be on hand to check entries and health papers.
- Show order will be: Showmanship, Wethers, Does and Costume Class. Each breed within a category MAY show together if breeds have limited entries WITHOUT creating a hardship on exhibitors.

- Each breed will have class winners and/or breed champions.
- Being on time to the ring is critical and could result in a lower rating if late. Switching goats is the only excusable reason.
- Be prepared to answer questions from the judge.
- Both animals shown in mother/daughter group MUST have been shown in previous individual listed classes.
- No in-tact males will be permitted on the grounds.
- Ill or contagious animals will be removed from the barn and not allowed to show.
- All goat ENTRIES FOR THE LIVESTOCK AUCTION must be made BEFORE leaving the Goat Show.
- **HORNS WILL BE AN AUTOMATIC RATING DROP IN DAIRY GOAT CLASSES.**

GOAT SHOWMANSHIP -Exhibitor age as of September 1, 2019

Seniors will show first for benefit of younger members.

Sr. Division: Ages 15-18

Intermediate Division: Ages 11-14

Jr. Division: Ages 8-10

WETHERS

Meat Goat Wether Classes- Kid Wethers born after September 1 last year

Light Weight

Medium Weight

Heavy Weight

- First and second selected in each weight division will be named Division Champion and Reserve Division Champion.
- Division Champions and Reserve Champions of each weight division will return for overall Grand Champion Wether.

Dairy Wether and All Other Wether Breeds -Kid Wethers born after September 1 last year

- All Dairy and All Other Wethers Breeds will show together.
- Champion and Reserve Champion Wethers will return for overall Grand Champion Wether.

DOES

Meat Goat Does Breeds:

Boer and AOM (All Other Meat)-Savannah, Kiko, Spanish

Classes:

Does 0-6 months

Does 7-12 months

Does 12-24 months

Does 2 years and over

Mother/Daughter

- Boer and AOM Does will show together unless AOM numbers increase.
- First and second selected in each class will return for overall Grand Champion/Reserve Grand Meat Goat Doe.

Dairy Goat Doe Breeds -

Alpine, LaMancha, Nigerian Dwarf, Nubian, Oberhasli, Saanen, Toggenburg, Recorded Grades

NOTE: HORNS WILL BE AN AUTOMATIC RATING DROP IN DAIRY GOATS.

Classes:

Kid under 5 months

Kid 5 months and under 1 year

Yearling 1 year and under 2 years not in milk

Milking Yearling, 1 year and under 2

Milking Doe, 2 years and under 4 years

Milking Doe, 4 years and older

Mother/Daughter

- First and second selected in each age group will return for overall Breed Champion/Reserve Champion of their designated breed.
- Each Breed Champion and Reserve Breed Champion will return for overall Grand Champion Dairy Goat Doe.

All Other Doe Breeds:

Pygmy, Angora, Fainting

Classes:

Doe 0-6 months

Doe 7-12 months

Doe 12-24 months

Doe 2 years and over

Mother/Daughter

- All Other Doe Breeds will show together.
- First and second selected in each age group will return for overall Grand Champion AOB Doe.

COSTUME CLASS

Exhibitor and goat must have shown in a previous class.

HORSE

For youth enrolled in Horse 1, Horse 2, Horse 3, Horse 4, and Horse 5
Superintendents Leland and Nan Martin

**Mercer County 4-H Horse Show, Sunday, July 19, at the 4K Arena, Viola IL. Horse Show will begin at 9 A.M.
Riding classes will start no earlier than 11:00 A.M.**

Rules:

1. Exhibitor must be present one class ahead of their first scheduled class, to check in and pick up your rider number at the announcer's stand.
2. The "Guidelines for 4-H Horse Shows in Illinois" and the Junior Horse Show Committee's 1998 Addendum will be the rules for this show. The addendum supersedes all other rules in case of conflict. Current AQHA and AHSA rules will apply in all cases where 4-H rules do not apply.
3. First thru Fifth placing will be announced in all classes.
4. All ponies may be measured before the show starts.
5. All horses or ponies to be shown, whether they are leased or owned by the exhibitor, MUST have ownership or lease papers on file at the Extension Office by MAY 1. The horse or pony MUST be cared for by the exhibitor no later than JUNE 1. Any exceptions should be brought before the Mercer County Horse Committee. If for some reason the committee cannot meet, the rule stands. There will be no alterations of the rule after June 15. Only requests for exceptions due to illness, lameness, or death of a horse will be considered between May 1 and June 15.
6. Mercer County 4-H Horse Show rules will supersede all other rules.
7. Each exhibitor may exhibit only one horse per class and will be limited to a total of three horses to be exhibited in this show.
8. Animals need not be purebred or registered. NO STALLIONS WILL BE ALLOWED.
9. Only 4-H members may work their horse in the arena.
10. No bats/whips will be allowed in the arena during the show except for the light breed halter classes.
11. NO class additions can be made that day. Classes can be scratched and changed only if entered in wrong child's age group with no downgrade. Exhibitors can exhibit in as many classes as they wish.
12. All exhibitors will be assigned a number, which must be worn by the exhibitor. The number must be worn on the exhibitor's back for halter classes. The number may be worn on the exhibitor's back or on both sides of the saddle blanket for riding classes.
13. Western Attire for Western classes and English Attire for English classes MUST be worn. Halter class attire consists of boots, hat or helmet, long sleeve shirt, belt, and long pants or long skirt. Western riding attire consists of boots, helmet, long sleeve shirt, belt, and long pants or long skirt. English riding attire consists of English style shirt, jacket (unless Judge excuses due to weather conditions) English-style pants or long skirt, boots, helmet, and optional belt
14. Unsportsmanlike conduct by an exhibitor may be grounds for disqualification by the judge or show chairperson.
15. The judge may not be approached by an exhibitor, parent, or guardian except at lunch break or after the show concludes.
16. No dogs will be allowed in the arena area. Dogs MUST be on a leash at all times.
17. All 4-H members are REQUIRED TO WEAR a properly fitted ASTM or SEI standard f1 163 or above certified equestrian helmet whenever mounted or driving, at all 4-H horse and pony events.
18. Ring usage during lunch break and following Costume class will be provided for pleasure riding. Contest riders will receive warm up time just prior to contest classes.
19. Three calls for class. When the judge closes the gate, the class is closed.
20. The reference to "Open" in the name of classes listed on the show bill indicates the 4-H exhibitor can be any age.
21. Ranch Horse Riding guidelines: Horses are required to be shown at a walk, jog, and lope on the rail. All reverses will be performed towards the rail in a rollback type maneuver. Stopping and backing. If necessary to place the class, the judge may send contestants back to the rail to perform extended gait. A pattern chosen by the Horse Committee will be required to be performed by each contestant.
22. Pattern Riding guidelines: To be judged on the qualities of gaits (walk, trot, and lope), change of leads, responses to the rider, manners, disposition, and intelligence. No tie downs will be allowed. Western or English. AQHA riding pattern #1 will be used.
23. Class 28-Versatility guidelines: Exhibitor/Horse combination to compete in a Horsemanship Class, a Barrel Race, and a Fun Class. The versatility class is meant to demonstrate the horse is well-trained and the rider can compete in a combination of events successfully.

HALTER CLASSES:

LESS THAN 56" – Any Age - Mare or Gelding

- 1) Miniature Horse and/or Pony

NOVICE HALTER

- 2) Horse or Pony – 4-H Member has not received 1st Place rating in a halter class in previous years

HORSE 56" AND OVER - All Breeds – Mare or Gelding

- 3) Yearling Horse
- 4) 2 and 3-year-old Horse
- 5) 4 years and older – Non-Registered Stock Type Horse (horse not eligible for class 6 or 7)
- 6) 4 years and older – Registered Stock Type Horse (horse not eligible for class 5 or 7)
- 7) 4 years and older – Light Breed Type Horse (horse not eligible for class 5 or 6)

****All A-1 winners in classes 1-7 return for Grand Champion Judging****

****MEMORIAL AWARD TO GRAND CHAMPION MINIATURE HORSE/PONY OR HORSE OVERALL****

SHOWMANSHIP: Exhibitor age as of September 1, 2019

****MEMORIAL AWARD TO EACH 1ST PLACE SHOWMANSHIP EXHIBITOR****

- 8) Senior Showmanship, exhibitor 13-18 years of age
- 9) Junior Showmanship, exhibitor 8-12 years of age

TRAIL:

****MEMORIAL AWARD TO 1ST PLACE TRAIL CLASS EXHIBITOR****

- 10) Trail Class

The class will consist of six obstacles selected by the horse committee and announced the day of the show. Limit of 3 refusals per obstacle.

LUNCH BREAK – 30 minutes following the completion of Trail Class

Lunch stand available and sponsored by Saddle Teens 4-H Club

COSTUME:

- 11) Costume Class – Walk only

****15 MINUTE OPEN ARENA, FOR PLEASURE RIDING ONLY****

SADDLE CLASSES:

- 12) Open English Pleasure, hunt seat or saddle seat
- 13) Open English Equitation, hunt seat or saddle seat ****MEMORIAL AWARD TO 1ST PLACE****
- 14) Open Gaited Comfort Pleasure (Paso, Fox Trotters, Walkers, etc.)
- 15) Open Light Breed Pleasure
- 16) Senior Walk Trot, horse or pony, optional tack, exhibitor 13-18 years of age
- 17) Junior Walk Trot, horse or pony, optional tack, exhibitor 8-12 years of age
- 18) First Year 4-H Member Pleasure
- 19) Novice Pleasure, horse or pony, optional tack – 4-H Member has not received 1st Place rating in a pleasure class in previous years
- 20) Open Pony Pleasure under 56", optional tack
- 21) 5-year-old and under Jr. Horse, Western Pleasure
- 22) 6-year-old or older Horse, Western Pleasure, exhibitor 13-18 years of age
- 23) 6-year-old or older Horse, Western Pleasure, exhibitor 8-12 years of age
- 24) Open Ranch Horse Riding, (see rule 21)

HORSEMANSHIP: Exhibitor age as of September 1, 2019

****MEMORIAL AWARD TO EACH 1ST PLACE HORSEMANSHIP EXHIBITOR****

25) Senior Western Horsemanship, exhibitor 13-18 years of age

26) Junior Western Horsemanship, exhibitor 8-12 years of age

27) Pattern Riding

28) Versatility Class (See rule #23) ****MEMORIAL AWARD TO 1ST PLACE VERSATILITY EXHIBITOR****

Horsemanship (optional tack), Barrel Race, and Fun Class (ride down and run back leading horse/pony)

CONTEST CLASSES:

Warm up time will be provided prior to contest classes. Attire required: long sleeve shirts or western short sleeve shirts, long pants or long skirt, boots, and helmet. No bats will be used. Rules will be governed by the 4-H Leaders' Horse and Pony Guide.

29) Barrel Race - (Horse/Pony not eligible for class 30)

30) Trot Barrel Race – (Horse/Pony not eligible for class 29)

31) Flag Race

32) Pole Bending – (Horse/Pony not eligible for class 33)

33) Trot Pole Bending – (Horse/Pony not eligible for class 32)

FUN CLASSES:

Attire required: shirts, long pants or long skirt, boots, and helmet. Saddle required.

34) Senior Egg & Spoon, exhibitor 13-18 years of age

35) Junior Egg & Spoon, exhibitor 8-12 years of age

36) Senior Crawl Through the Barrel, exhibitor 13-18 years of age – Ride down, dismount, crawl through barrel and run back leading horse.

37) Junior Crawl Through the Barrel, exhibitor 8-12 years of age – Ride down, dismount, crawl through barrel and run back leading horse.

BELT BUCKLE CLASSES: Belt buckles donated by Bill & Chris Hank

❖ Junior All-Around High Point (based upon all classes participated in/placed in)

❖ Senior All-Around High Point (based upon all classes participated in/placed in)

All-Around High Point Belt Buckle Awards: All contestants are eligible for high point belt buckle awards based upon their age division.

- Seniors will be 13-18 years of age as of September 1, 2019.
- Juniors will be 8-12 years of age as of September 1, 2019.
- Each contestant is allowed up to three eligible horses.
- Contestants qualify for points in every class they participate in.

- Pony and/or Horse
- All classes qualify, whether age specific, open, or specialty

- Points awarded based on number of actual contestant entries participated in each class

- 1st through 5th placing awarded in all classes
- One point awarded per number of class entries up to 5 points per class

Example 1: Class "X" has **10** contestants (any age) > 1st Place receives 5 points; 2nd Place receives 4 points; 3rd Place receives 3 points; 4th Place receives 2 points; 5th Place receives 1 point

Example 2: Class "Y" has **3** contestants (any age) > 1st Place receives 3 points; 2nd Place receives 2 points; 3rd Place receives 1 point

Example 3: Class "Z" has **1** contestant (any age) > 1st Place receives 1 point

- At the end of the Horse Show, accumulated points will be totaled to determine the All-Around High Point Belt Buckle Award winners for each age division.

HORSE SHOW AWARD SPONSORS:

- ❖ Grand Champion Miniature Horse/Pony or Horse Overall – In Memory of Myrna Adamson
- ❖ Junior Showmanship – In memory of Erin Neuleib
- ❖ Senior Showmanship – In memory of Ron Partlow
- ❖ Trail Class-Sponsored by Brian and Sandy Harkey
- ❖ English Equitation – Sponsored by Janet Harms
- ❖ Junior Western Horsemanship – Sponsored by Charley Martin Horseshoeing
- ❖ Senior Western Horsemanship – Sponsored by Leland and Nan Martin
- ❖ Versatility Class- In memory of Cash (Davison Farms)

POULTRY

For youth enrolled in Poultry 1, Poultry 2, Poultry 3

Superintendent: Tracy Austin, Phone # 563-370-4372

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

To be in place Tuesday in the Swine Barn – 8 A.M.

To be judged – 8:30 A.M.

Rules:

1. Exhibitors may enter a Single, and a Pair, and a Trio in each class category. (A Pair can NOT come from a Trio).
2. Bird(s) may be entered in ONLY one class category. **Example:** A bird entered in Egg Production cannot also be entered in Purebred Large Fowl.
3. The Judge will select Champion and Reserve Champion single chicken for each class of birds. The Champions/Reserve Champions will be chosen from Singles, Pairs, or Trios shown. These will be judged for Grand Champion Single Poultry.
4. Grand Champion will be awarded to a Single, a Pair, a Trio, and an exhibit of one dozen eggs.
5. A cockerel shall be a male hatched during 2020, a pullet shall be a female hatched during 2020. A hen is a female hatched prior to 2020 and a rooster will be a male hatched prior to 2020.
6. 4-H member must have ownership of the animal by June 1.
7. All Meat pens will consist of birds hatched after January 1, 2020 they can be chickens, ducks, geese or turkeys. All will be judged for Champion Meat Pen and all meat pens are eligible for the auction. An exhibitor is only allowed to enter one meat pen for the auction.

Class Categories

- **Egg Production** (Commercial) all purebred or crossbreds suitable for egg production, for example Golden Comet, Buff Orpington, Black Star, Sussex, Plymouth Rock, Ancona, etc.
- **Meat** (Commercial) all purebred or crossbred suitable for meat production, for examples....Cornish Cross, Jersey Giant, Bresse, Freedom Rangers, Turkeys, Pheasants, and waterfowl.
- **Large Fowl** all APA recognized chicken breeds for examples..... Barred Rocks, Leghorns, Brahmas, Australorps, Ameraucanas, Rhode Island Reds etc.
- **Bantam Fowl** all APA/ABA recognized chicken breeds for example.... Old English Games, Silkies, Bantam Cochins, Nankins, Seabrights, Duccles.etc.
- **Other:** (Guineas, Peacocks, Pigeons, Turkeys)
- **Waterfowl:** (Ducks, Geese, Call Ducks)

CLASSES:

Egg Production (Commercial)

Pullets or Hens only. Can be shown as a single, pair, or pen of 3. Judged on egg production ability.

Meat (Commercial)

Only birds hatched after January 2018. Can be shown as single, pairs, or pen of 3. Only pens of 3 are eligible for Champion Meat Pen and auction.

Large Fowl-(Purebred Breeds)

Any age or sex. Can be shown as single, pairs, or pen of 3. Pens in this class are not eligible for auction.

Bantam Fowl (Purebred Breeds)

Any age or sex. Can be shown as single, pairs, or pen of 3. Pens in this class are not eligible for auction.

Others: (Guineas, Peacocks, Pigeons, Turkeys)

Any age or sex except the meat pen, which must be hatched after January 2020.

Can be shown as singles, pairs, or pens of 3. Meat pen will be eligible for Champion Meat Pen and auction.

Water Fowl: (Ducks, Geese, Call Ducks)

Any age or sex except meat pen of 3- which must be hatched after January 2020.

Can be shown as singles, pairs, or pens of 3. Meat pens will be eligible for Champion Meat Pen and auction.

Exhibit of One Dozen Eggs

The dozen eggs will be judged on uniformity. Limit one dozen per exhibitor.

Rooster Crowing Contest - Bring those roosters that crow!

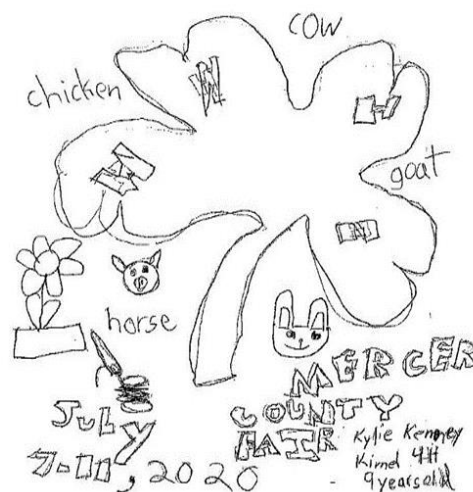
The roosters will be judged on how many times they crow in a 30 minute time period. Limit one rooster per exhibitor.

Poultry Showmanship: Exhibitor age as of September 1, 2019

Advanced Exhibitor ages 15 to 18

Intermediate Exhibitor ages 11 to 14

Beginner Exhibitor ages 8 to 10



RABBITS

For youth enrolled in Rabbits 1, Rabbits 2, and Rabbits 3
Superintendent Lacey Thirtyacre

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

To be in place Tuesday in the Beef Show Ring – 9:45 A.M.

To be judged – 10 A.M.

Rules:

1. Limited to 2 entries per class.
2. **ALL RABBITS MUST BE TATTOOED IN LEFT EAR TO EXHIBIT IN RABBIT SHOW; NO TWO RABBITS SHOULD HAVE THE SAME NUMBER OWNED BY THE SAME PERSON (THIS RULE WILL BE ENFORCED).**
3. No lactating does allowed.
4. All animals with the exception of meat pens and single fryers **MUST** be at least 10 weeks old.
5. Fancy rabbits are non-meat breeds and Commercial rabbits are meat breeds.

Breeds

- **Fancy Rabbits:** (Are typically less than 6 lbs.)
Mini Rex- N. Dwarfs-Lionheads- Dutch-Holland
- **Commercial Rabbits:** (Are typically over 6 lbs.)
New Zealands- Californians- Flemish Giants- Satins

Classes:

Fancy Senior Buck - over 6 months

Fancy Senior Doe - over 6 months

Fancy Junior Buck - less than 6 months

Fancy Junior Doe – less than 6 months

Commercial Senior Buck - over 6 months

Commercial Senior Doe - over 6 months

Commercial Junior Buck - under 6 months

Commercial Junior Doe - under 6 months

Commercial Single Fryer (may be from meat pen)

Commercial Meat Pen (3 rabbits preferably of the same litter, max. wt. 5 ½ pounds per rabbit)

RABBIT SHOWMANSHIP - Exhibitor age as of September 1, 2019

Advanced exhibitors ages 15-18

Intermediate exhibitors ages 11-14

Beginner exhibitors ages 8-10

SHEEP

For youth enrolled in Sheep 1, Sheep 2, and Sheep 3

Superintendent Bill Boruff

Note: Exhibitors will be paid only ONE PREMIUM PER CLASS

To be weighed Tuesday - 2:30-3 P.M.

To be in place Tuesday – 3 P.M. (Note: Open Sheep Show Thursday)

To be judged Tuesday – 4 P.M.

Breeds

Hampshire

Southdown

Cheviot

Shropshire

Suffolk

Corriedale

Oxford

Dorset

All Other Registered Breeds

Crossbred Breeding Stock

BREEDING SHEEP CLASSES

Ewe – 1 year and older

Sr. Ewe Lamb – 9-01-19 to 12-31-19

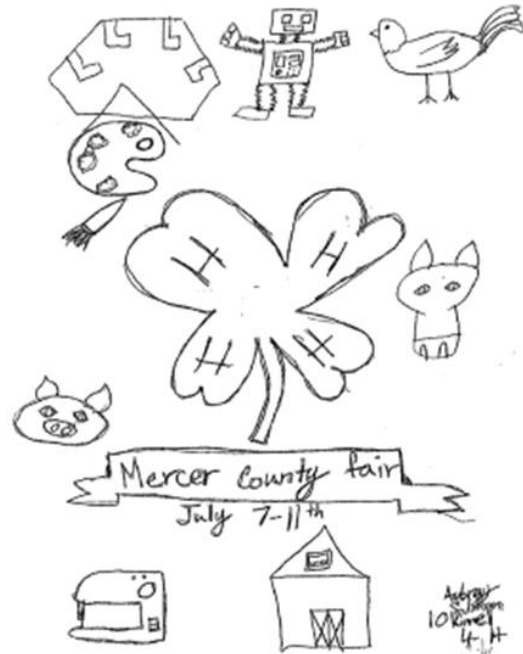
Jr. Ewe Lamb – 1-01-20 and after

Ram – 1 year and older

Sr. Ram Lamb – 9-01-19 to 12-31-19

Jr. Ram Lamb – 1-01-20 and after

Pair of Lambs



Rules:

1. 4-H members must sign up for the auction at the time of weigh-in.
2. Open Show and Junior Open Sheep Show entries MUST be reweighed as specified in the Mercer County fair book.
3. All lambs must be lambed on or after September 1 prior year, and must be carrying lamb's teeth.
4. Registration papers must show ownership of the animal in the name of the exhibitor or ownership by immediate family members including the exhibitor for the period required in the 4-H project. Papers must be presented at check-in. Crossbred Breeding stock must be owned by exhibitor, but no registration papers are needed. If animal is registered, it must show in the breed class. Crossbred Breeding stock is any sheep that does not have registration papers.
5. A pair of lambs will consist of two animals of either one or both sexes under 1 year of age.
6. Breeds will show separately if there is more than one exhibitor. The superintendent may combine breeds to make more workable classes.
7. Crossbred Breeding Stock will show against registered breeds for Grand Champion over all breeds.
8. Exhibitor may show in only one breed. Limit of two entry per class.
9. Lambs shown in breeding classes cannot be shown in market lamb classes

MARKET LAMB CLASSES

Single Market Lamb – either ewe or wether

Pen of 2 Market Lambs – either ewe or wether

Rules:

1. All market lambs must be carrying lamb's teeth.
2. Limit of two entries allowed in single market lamb class. Exhibitors will be paid only ONE PREMIUM PER CLASS.
3. Limit of one entry in pen class.
4. Lambs will be weighed Tuesday afternoon from 2:30-3 P.M. and broken into workable size weight classes for exhibiting.
5. Market Lambs will show in their appropriate weight division with a **minimum** of 2 weigh divisions in singles and pairs. Weight classes will be posted before the show.
7. Lambs shown in Market Lamb class cannot be shown in a breeding class.
8. Market animals must not be bred.

SHEEP SHOWMANSHIP: Exhibitor age as of September 1, 2019

Tuesday - during the 4-H Sheep Show

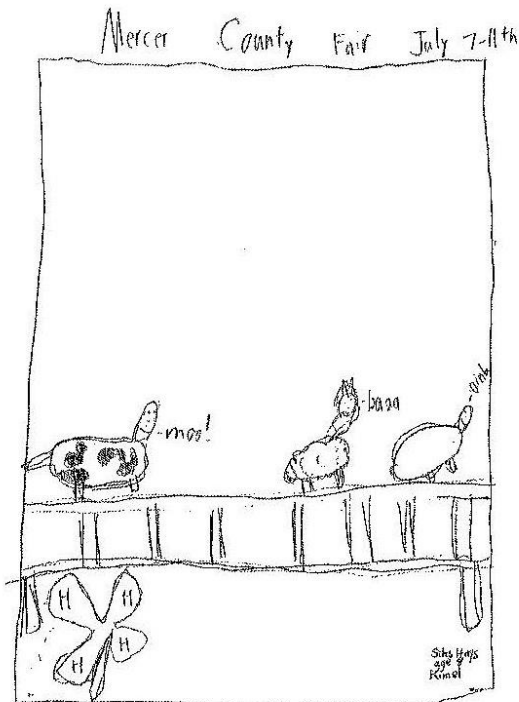
Advanced exhibitors ages 15-18

Intermediate exhibitors ages 11-14

Beginner exhibitors ages 8-10

MASTER SHOWMANSHIP CONTEST

1. Exhibitors must be enrolled in a 4-H livestock project at the contest on Thursday, **July 9 at 4 p.m.**
2. The participant must supply his or her own livestock for competition. Each exhibitor must own or borrow each: a steer or heifer, a market or breeding lamb, and a market hog or breeding gilt.
3. Each exhibitor will exhibit and answer questions about each species.
4. A state delegate from the senior division will be selected to attend the Illinois State Fair 2020 Master Showmanship Contest. An alternate will also be chosen. The state contest is sponsored by Illinois Farm Bureau® and RFD Radio Network.



SWINE

For youth enrolled in Swine 1, Swine 2, and Swine 3

Superintendent Jim Mayhew

Exhibitors will be paid only ONE PREMIUM PER CLASS.

To be weighed Wednesday – 10 A.M. to 12 P.M.

To be in place Wednesday – 1 P.M.

To be judged Thursday – 9 A.M.

NOTICE TO SWINE EXHIBITORS: ALL 4-H EXHIBITORS MUST HAVE THE FOLLOWING AT THE SCALE OR YOUR ANIMALS WILL NOT BE WEIGHED:

1. HEALTH PAPERS IN THEIR NAME OR FAMILY NAME
2. PORK QUALITY ASSURANCE CERTIFICATE

BARROW CLASSES:

Single Barrow

Pair of Barrows

Single Purebred Barrow

Special Notes to Swine Exhibitors:

- The use of ear notches is not acceptable as official identification for crossbred swine on the Health Paper or Certification of Veterinary Inspection. Crossbred swine should have a veterinarian's ear tag in the swine's ear NOT in show box.
- Notching is only appropriate as official identification for swine when the ear notching has been recorded in the book of record of a purebred registry association.
- Exhibitors will be paid only **ONE PREMIUM PER CLASS**
- **ONLY WOOD SHAVINGS** are to be used for bedding.

Rules:

1. All barrows must have been farrowed on or after January 1 current year.
2. **Member must have ownership of all barrows by May 1 of current year**
3. All barrows will be weighed on Wednesday to determine weight classes. Weight classes will be posted Thursday before the show.
4. Each exhibitor is limited to four single barrow entries and one pair of barrows entry.
5. A pair will consist of two barrows. Both barrows don't have to show as singles. An extra barrow can be used as half of the pair.
6. Animals may be shown in both single and pair classes.
7. All Purebreds show together. **Must have registration papers.**
8. **Only wood shavings are to be used for bedding. 4-H Exhibitors are responsible for supplying their own wood shavings.**

MARKET GILT CLASSES

Single Market Gilt
Pair of Market Gilts
Single Purebred Gilt

Rules:

1. Gilt must have been farrowed on or after January 1 current year.
2. **Member must have ownership of all gilts by May 1 of current year.**
3. Gilts will be weighed on Wednesday to determine weight classes. Weight classes will be posted Thursday before the show.
4. Each exhibitor is limited to four single gilt entries and one pair of gilts entry.
5. A pair will consist of two gilts. Both gilts don't have to show as singles. An extra gilt can be used as half of the pair.
6. Animals may be shown in both single and pair classes.
7. All Purebreds show together. **Must have registration papers.**
8. **Only wood shavings are to be used for bedding. 4-H Exhibitors are responsible for supplying their own wood shavings.**

SWINE SHOWMANSHIP: Thursday – at the conclusion of the 4-H Swine Show

Exhibitor age as of September 1, 2019

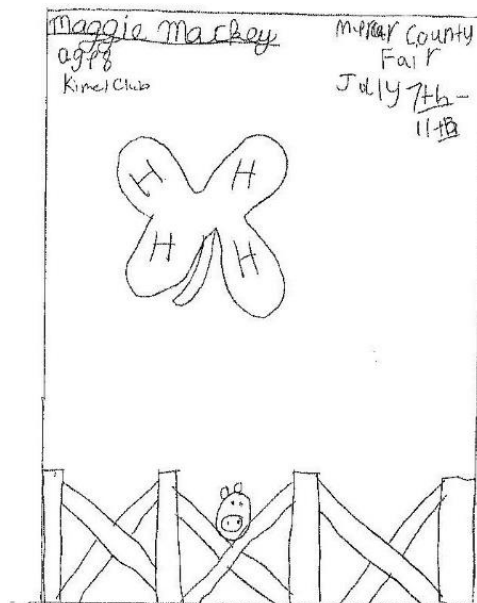
Beginner exhibitors ages 8-10

Intermediate exhibitors ages 11-14

Advanced exhibitors ages 15-18

MASTER SHOWMANSHIP CONTEST

1. Exhibitors must be enrolled in a 4-H livestock project at the contest on Thursday, **July 9 at 4 p.m.**
2. The participant must supply his or her own livestock for competition. Each exhibitor must own or borrow each: a steer or heifer, a market or breeding lamb, and a market hog or breeding gilt.
3. Each exhibitor will exhibit and answer questions about each species.
4. A state delegate from the senior division will be selected to attend the Illinois State Fair 2020 Master Showmanship Contest. An alternate will also be chosen. The state contest is sponsored by Illinois Farm Bureau® and RFD Radio Network.



CONFERENCE JUDGING

Blue – Meets the standards

Red – Needs improvement

White – Needs much improvement

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

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

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

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

*What steps did you do to make the exhibit?

*What tools did you use?

*What ingredients did you use?

*Did you get some help from anyone? (It's OK if you did. Lots of times we need someone like grandparents to help us on the hard and dangerous parts.)

*What did you learn from the project?

*What did you have trouble with in this project?

*What might you do next year in this project?

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

GENERAL 4-H SHOW RULES AND REGULATIONS

1. All members must observe the General 4-H Show Rules and Regulations.
2. Members who fail to comply with Mercer County 4-H Show exhibit requirements, instructions, rules and regulations may be disqualified.
3. All exhibitors must be an active member of a Mercer County 4-H club and must have been enrolled in each project area @ il.4honline.com before May 1 of the current year.
4. 4-H fair entries must be registered for the Mercer County Fair @ fairentry.com by June 1 of current year, to be eligible to exhibit projects at Mercer County 4-H shows and/or exhibit opportunities.
5. Mercer County 4-H shows and/or exhibit opportunities may include deadline dates for individual projects, or activity enrollments, as a 4-H requirement to exhibit.
6. All exhibitors must be present for conference judging. **Members who cannot attend can submit an absentee form along with the project, but they will not be eligible for State Fair.**
7. All classes are limited to one entry per class except livestock, rabbits and visual arts. See rules in project area.
8. All 4-H projects must be products of the current 4-H year (September 1, 2019 to August 31, 2020). All exhibits must be the property of the exhibitor. Each project can only be exhibited and judged one time.
9. All decisions of the judges are final. Protests must be submitted in writing to the superintendent
10. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. The Superintendents reserve the right to not display exhibits deemed inappropriate for youth audiences. Items deemed potentially dangerous to fair-goers will be removed from the exhibit. Use of page protectors are recommended for binder exhibits. Binder exhibits will NOT be labeled "Do Not Touch."
11. 4-H'ers will receive a rating and ribbon for each exhibit. According to the Illinois Department of Agriculture Bureau of County Fairs, only one premium awarded per class.
12. Cloverbuds can exhibit in only cloverbud project areas (NO Livestock) at the fair. Cloverbuds cannot receive premiums. Cloverbuds are between the ages of 5-7 by September 1, 2019
13. Only the judges, assistants, and exhibitors may be present at the time of judging. The judge's decision is final.
14. Following judging, exhibits must be put in club booths in the Floral Hall for display. It will be open to the public during the Mercer County Fair July 7 – 11, 2020. Project pick-up and Fairgrounds clean-up is Sunday, July 12 from 12 p.m. to 1 p.m. ALL PROJECTS MUST BE PICKED UP BY 1 p.m. It is the responsibility of each member to bring exhibits for judging and check out projects on time. University of Illinois Extension staff, 4-H volunteers and County Fair Board members are not responsible for projects left in the Floral Hall after 1 p.m.
15. State Fair delegates will be selected from classes with class numbers. If the class does not have a class number, it is a county project only.
16. To exhibit a 4-H project or participate in a 4-H activity at the Illinois State Fair, youth must be an active 4-H member and be at least 8 years of age by September 1, 2019. Cloverbuds are NOT eligible for State Fair.
17. **PROJECTS SELECTED FOR STATE FAIR** - General projects must be selected for State Fair at the county level to be exhibited at the Illinois State Fair. The same product or speech selected at the county level must be the one exhibited at the State level, adjusted to State Fair class requirements. The exceptions include exhibits in the areas of Food & Nutrition (must be the same recipe), Floriculture/Horticulture, Crops, Fruit Plates, and Food Decorating. Modifications made to the original county exhibit to: 1) meet State Fair class requirements, or 2) incorporate suggested improvements made by the county judge.
18. The 4-H Exhibitor MUST notify the Extension office or staff if they plan to exhibit at State Fair by 1 p.m. on Sunday, July 12, 2020. The exhibitor must indicate the project they plan on taking to the State Fair and the number of admission tickets needed. The Extension staff will contact State Fair Alternates. Mercer County judging day at State Fair is Friday, August 14.
19. The University of Illinois, and the University of Illinois Mercer County Extension personnel or their assigned agents, or the Mercer County 4-H Federation do not assume liability for loss, theft, or damage to any exhibit. Written comments and/or suggestions are appreciated and will be reviewed.
20. **MAKER EXHIBITS** - this exhibit opportunity is available to all project areas. Youth must enroll in the MAKER Exhibit @ fairentry.com by June 1, to exhibit in the Maker Class. Members exhibiting in the Maker Class will be evaluated by the same judge, using the Maker scoresheet, not the project-area scoresheet. Each county gets to promote 3 TOTAL Maker exhibits to the Illinois State Fair. **See Maker Exhibit for exhibitions instructions, page 58.**

GENERAL PROJECT SHOW (Monday-July 6, 2020)

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

Model Rocketry: (SF 50130)

(Open to youth in Aerospace 2, Aerospace 3, and Aerospace 4)

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

Aerospace Display: (SF 50131)

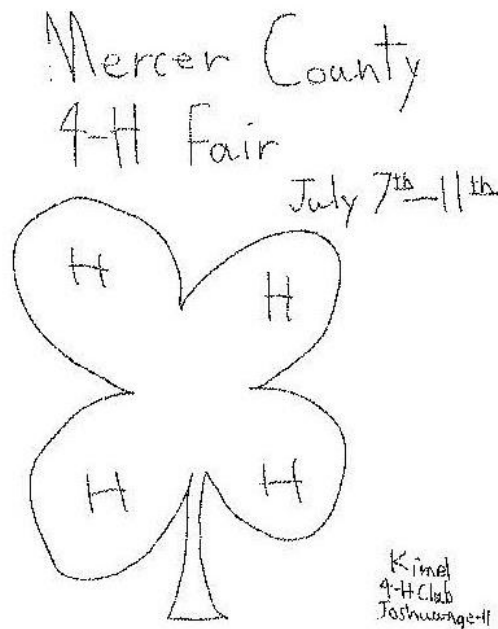
(Open to youth in Aerospace 2, Aerospace 3, and Aerospace 4)

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

Aerospace Ready4Life Challenge (SF 50133)

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

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



ANIMAL SCIENCE

Each county may submit 2 entries total from 50135; and 1 entry from 50137.

Open to members in Beef, Cats, Dairy, Dogs, Goats, Horse & Pony, Poultry, Rabbits, Sheep, Small Pets, and Swine

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

Animal Science Ready4Life Challenge (SF 50137)

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

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

BICYCLE (not eligible for state fair)

Bicycle 1

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

Bicycle 2

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

Bicycle Ready4Life Challenge

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

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

CHILD DEVELOPMENT

Each county may submit 1 entry from 50141

Child Development (SF 50141)

Exhibit one of the following class options

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

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

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

Prepare a display focusing on a topic related to child care of this age group such as selecting age appropriate activities, explaining child behavior, and/or recognizing safety concerns. Demonstrate the skills and knowledge you have gained through the child development project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects. Exhibit must include printed or electronic version of at least three completed activities from the manual.

Child Development Ready4Life Challenge (SF 50142)

Open to 11- to 18-year-olds enrolled in the Child Development project

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

CIVIC ENGAGEMENT

Each county may submit 2 entries total from classes 50145, 50146, 50147; and 1 entry from 50149. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement 1 (SF 50145)

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

Civic Engagement 2 (SF 50146)

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

Civic Engagement 3 (SF 50147)

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

Civic Engagement Ready4Life Challenge (SF 50149)

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

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

Service Learning 1 (not eligible for state fair)

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

Service Learning 2 (not eligible for state fair)

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

Service Learning 3 (not eligible for state fair)

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

CLOTHING & TEXTILES

Each county may submit 3 STEAM entries total from 50151 a-c, 50152 a-c, 50153 a-c; 2 shopping entries from 50154, 50155, 50156; and 1 Ready4Life entry from 50157.

All exhibits entered in the clothing and textiles area will be judged based on their construction and fit (if applicable). Exhibitors bringing garments should not wear their garments when they arrive for judging. The garment will be reviewed by the judges for construction first. Exhibitors will be asked to change into the garment as the second step of the judging process. If the garment was constructed for another individual, that individual must be present to wear the garment for the judge. (Only the exhibitor who made the garment is eligible for ribbon and premium.) Construction and appearance will both be considered during judging. If a pattern was used to make the item, the pattern instructions, either written or electronic, are to be included with the exhibit. Exhibit tags should be attached to the garment, not to the hanger.

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

CLOTHING: STEAM

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

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

Non-Sewn Exhibits (SF 50151a) Exhibit one of the following:

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

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

Sewn Non-Clothing Exhibits (SF 50151b) Exhibit one of the following:

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

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

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

STEAM Clothing 2 – Simply Sewing: (SF 50152a, 50152b, 50152c)

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

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

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

Sewn Non-Clothing Exhibits (SF 50152b) Exhibit one of the following:

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

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

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

STEAM Clothing 3 – A Stitch Further: (SF 50153a, 50153b, 50153c)

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

Non-sewn Exhibits (SF 50153a) Exhibit one of the following:

- Clothing Portfolio – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual. The Portfolio should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – this can be a continuation of a Portfolio created in STEAM Clothing 1 and/or STEM Clothing 2. Additional pages can be added each year but must be dated with the year created. See project manual, pages 11-13 for portfolio formatting.
- Expanded Textile Science Scrapbook - Must include at least 10 different textile samples. Use Textile Information Cards template on page 29 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover. See Project, pages 39-52 for fabric science experiments.
- Advanced Entrepreneurial Sewing – Using knowledge gained in project manual, Chapter 5, display one sample product with a business plan that includes a business ID and logo. The Exhibit may be a notebook, poster or small display.

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

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

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

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

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

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

Shopping in Style (SF 50154)

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

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

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

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

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

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

Sewing & Textiles Ready4Life Challenge (SF 50157)

Open to 11- to 18-year-olds enrolled in any Sewing & Textiles project.

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

COLLEGE & CAREER READINESS

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.

COMMUNICATIONS

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

Communications 1 (SF 50368)

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

Communications 2 (SF 50368)

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

Communications 3 (SF 50368)

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

Creative Writing (SF 50367)

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

- **Rhymed Poetry** – An interpretation of a subject in rhymed verse. Submit a collection of three poems.
- **Free Style Poetry**– An interpretation of a subject in unrhymed verse. Submit a collection of three poems.
- **Short Story**– A fiction piece comprised of three basic elements: a theme, a plot and characters. Submit one story, maximum length –2,000 words.
- **Essay**– A short nonfiction composition in which a theme is developed or an idea is expressed. Submit one essay, maximum length –500 words.
- **Feature Story** -- Nonfiction human-interest story judged on interest to readers, writing style, readability, and thoroughness of coverage. Submit one story, maximum length –1,000 words.

Journalism (SF 50369)

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

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

Communications Ready4Life Challenge (SF 50370)

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

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

COMMUNICATIONS: PUBLIC PRESENTATIONS

Enrollment in the Public Presentations project is required to participate in this section. No live animals are allowed in speeches. Counties may advance a total of three entries from any category to the state contest.

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

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

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

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

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

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

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

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

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

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

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

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

COMPUTER SCIENCE

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

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

Beginning Visual Programming (not eligible for state fair)

Open to youth in Computer Science Visual Based Programming

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

Intermediate Visual Programming (SF 50159)

Open to youth in Computer Science Visual Based Programming

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

Advance Visual Programming (SF 50160)

Open to youth in Computer Science Visual Based Programming

Exhibit a video game you have created in Scratch (or other simple graphic programming). All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Website Design: (SF 50161)

Open to youth in Computer Science Visual or Text Based Programming

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

Computer Open Source / Innovation CS (SF 50162)

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

Demonstrate the skills and knowledge you have gained through the Computer project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. Exhibits in this class may also demonstrate successful application of open source (publicly available) computing software and/or hardware, such as Raspberry Pi and Linux, to accomplish a task. All exhibits must include something visual, such as a poster or printed copy of a digital presentation or programming flowchart, which will remain on display during the exhibition. Exhibits in this area will be judged on the computer science programming. Youth enrolled in a robotics project should choose this class if you want the exhibit to be judged on the programming of the robot. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Computer Science Ready4Life Challenge (SF 50164)

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

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

CONSUMER EDUCATION

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.

CROPS

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

Soybeans (SF 50170)

Exhibit five fresh plants (include root system that is washed) that are representative of member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

Corn (SF 50171)

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

Small Grains (SF 50172)

Exhibit one gallon of the current year's crop of oats, wheat, rye, or barley that is representative of the member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

Crops Innovation Class (SF 50173)

Open to youth enrolled in any Crops project

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

Crops Ready4Life Challenge (SF 50175)

Open to 11- to 18-year-olds enrolled in any Crops project

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

ELECTRICITY

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

Electricity 1 (SF 50177)

(May only be battery-powered projects using battery components and wiring). Exhibit a momentary switch, simple switch, basic circuit, electromagnet, galvanometer, **OR** an electric motor. All projects must include a report explaining how the project was constructed and the principles demonstrated. Recommendations can be found on the website. Projects using paper clips, cardboard, thumbtacks, & brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.

Electricity 2 (SF 50178)

(May only be battery-powered projects using battery components and wiring) Exhibit a circuit board demonstrating parallel and series switches, including a circuit diagram; 3-way or 4-way switch circuit using DC/battery; **OR** a basic electrical device (examples: rocket launcher, burglar alarm, etc). All projects must include a report explaining how the project was constructed and the principles demonstrated. Recommendations can be found on the website. Projects using paper clips, cardboard, thumbtacks, & brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.

Electricity 3 (SF 50179)

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

Electricity 4 (not eligible for state fair)

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

Electricity Ready4Life Challenge: (SF 50181)

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

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

ENTOMOLOGY GENERAL

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

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

Entomology 1 (SF 50183)

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

Entomology 2 (SF 50184)

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

Entomology 3 (SF 50185)

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

Entomology Display (SF 50186)

Open to youth enrolled in Entomology 1, Entomology 2 or Entomology 3

Exhibit any activity or display related to Entomology that does not fit into Entomology Classes 1, 2 or 3 above. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Entomology Ready4Life Challenge (SF 50187)

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

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

ENTOMOLOGY BEEKEEPING

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

Create an exhibit that shows the public what you learned in the beekeeping project this year. **Note:** No bee hives may be exhibited. (Honey moisture content will be measured.) Fill level: the honey should be filled to the jar shoulder, not over, nor under. Chunk honey should go in a wide-mouth jar, preferably one specially made for chunk honey (see beekeeping catalogs). Be careful to distinguish "chunk honey" (comb in jar) from "cut comb" (comb only in plastic box). *Honey exhibited (including chunk, cut comb, and sections) must be collected since the previous year fair.*

Beekeeping 1 (SF 50188)

Exhibit an educational display for one (1) of the following:

- Flowers Used to Make Honey. Display pressed flowers from ten (10) different Illinois plants that bees use for making honey.
- Uses of Honey and Beeswax.
- Setting Up a Bee Hive.
- Safe Handling of Bees.
- Equipment needed by a Beekeeper.

Beekeeping 2 (SF 50189)

Exhibit one (1) of the following:

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

Beekeeping 3 (SF 50190)

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

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

Entomology Beekeeping Ready4Life Challenge (SF 50191)

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

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

EXPLORATORY

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

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

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

Collectibles (not eligible for state fair)

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

FAMILY HERITAGE

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

Family Heritage (SF 50197)

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

Family Heritage Ready4Life Challenge (SF 50199)

Open to 11- to 18-year-olds enrolled in a Family Heritage project.

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

FOODS & NUTRITION

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

4-H Cooking 101 (SF 50200)

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

4-H Cooking 201 (SF 50201)

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

4-H Cooking 301 (SF 50202)

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

4-H Cooking 401 (SF 50203)

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

Food Science 1 (SF 50204)

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

Food Science 2 (SF 50204)

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

Food Science 3 (SF 50204)

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

Food Science 4 (SF 50204)

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

Sports Nutrition (SF 50206)

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

Examples for Activity 1

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

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

Food Preservation (SF 50208)

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

- **Canning** – The exhibit should include two different canned foods in appropriate jars for the products. Food may be fruit, vegetable, or tomato product (i.e. salsa, juice, etc.).
- **Freezing** – Prepare a nutrition display that illustrates a freezing principle. There is NOT a food exhibit option for this preservation method.
- **Drying** – Exhibit two (2) different dried foods packed in plastic food storage bags. Choose from fruit, vegetable, fruit leather or meat jerky.
- **Pickles and Relishes** – Exhibit two pint jars of different recipes of pickles and/or relishes.
- **Jams, Jellies, and Preserves** – Exhibit half-pint jars of two different jams, jellies, and/or preserves.
- **Preservation Combination** – Exhibit two different preserved food products, excluding Freezing, in appropriate jars/packaging (drying). For example, exhibit 1 jar of tomatoes (Canning) and 1 half-pint of jelly (Jams, Jellies, and Preserves).

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

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

Examples:

- Strawberry jam, boiling water bath. July 13, 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/Kerr Canning (recipes after 1985)
- Mrs. Wages

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

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

Foods Innovation Class (SF 50211)

Open to youth enrolled in any Foods project.

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

Foods Nutrition Ready4Life Challenge (SF 50210)

Open to 11- to 18-year-olds enrolled in any Foods project

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

FORESTRY

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

Forests of Fun 1 (SF 50212)

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

Forests of Fun 2 (SF 50213)

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

Forests of Fun 3 (SF 50214)

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

Forestry Ready4Life Challenge (SF 50216)

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

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

GEOLOGY

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

Size and number of exhibit cases should relate appropriately to the number of specimens being displayed for a specified class. Specimens are not limited to Illinois locations. All levels of Geology use the same manual, Geology-Introduction to the Study of the Earth.

Pebble Pups 1 (SF 50218)

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

Pebble Pups 2 (SF 50219)

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

Rock Hounds 1 (SF 50220)

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

Rock Hounds 2 (SF 50221)

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

Geology Innovation Class (SF 50222)

Open to youth enrolled in Geology.

Demonstrate the skills and knowledge you have gained through the Geology project. Exhibit may be the result of knowledge gained from project manuals; independent study about Illinois rock(s) and mineral(s), interaction with geology professionals; and/or individual exploration in the area of geology. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Geology Ready4Life Challenge (50224)

Open to 11- to 18-year-olds enrolled in the Geology project.

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

HEALTH

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

Health 1 (SF 50226)

Select four First Aid Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a family first aid kit and be prepared to explain what each item is used for.

Health 2 (SF 50227)

Select four [Staying Healthy](#) skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a “smarts” project as explained in the project manual.

Health 3 (SF 50228)

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

Health Innovation Class (SF 50229)

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

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

Health Ready4Life Challenge (SF 50231)

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

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

HORTICULTURE: FLORICULTURE

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

Floriculture A (SF 50192)

Exhibit one of the following options:

- Create a flower arrangement; either a round arrangement or a bud vase. No silk flowers are permitted; **OR**
- Create a photo collage or a collection of pictures of flowers that you have raised. Label your flowers by name and tell if you started with a seed, cutting or transplants. Mount pictures on a poster board; **OR**
- Exhibit in one container, 3 stems of blooms - each with attached foliage. Foliage that would go inside the container may be removed. All three blooms or stems should be the same variety, color, shape and size and must have been grown from seed, young seedling plants, bulbs or rhizomes by the exhibitor. (NOTE: Exhibitors choosing lilies should include no more than 2/3 of foliage for their exhibit.)

Floriculture B (SF 50193)

Exhibit one of the following options:

- Create an artistic display of dried flowers explaining how each was dried; **OR**
- Create a photo collage or collection of pictures of plants from your theme garden. Label your plants by name and explain how the plants were chosen to fit the theme.

Floriculture C (SF 50194)

Exhibit one of the following options:

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

Floriculture D (SF 50195)

Exhibit one of the following options:

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

Floriculture Display (SF 50196)

(Open to youth enrolled in Floriculture A, Floriculture B, Floriculture C, and Floriculture D)

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

Floriculture Ready4Life Challenge (SF 50198)

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

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

HORTICULTURE: VEGETABLE GARDENING

Each county may submit 3 entries total for 50314, 50315, 50316; and 1 entry for 50318.

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

Vegetable Display (SF 50314)

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

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

Vegetable Plate (SF 50315)

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

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

VEGETABLE PLATE/DISPLAY LIST

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

Asparagus (5 spears)	Peppers, small fruited (chili/cherry) (12)
Beans, Lima (12 pods)	Popcorn (5)
Beets (5)	Potatoes (any variety) (5)
Broccoli (1 head)	Pumpkin (1)
Brussels sprouts (12 sprouts)	Rhubarb, trimmed stalks (3)
Cabbage (1 head)	Rutabaga (5)
Cauliflower (1 head)	Salsify (5)
Carrots (5)	Squash, summer (any variety) (3)
Cucumber, pickling or slicing (5)	Sweet Corn, in husks (5)
Eggplant (1)	Tomatoes, slicing (5)
Garlic (5)	Tomatoes, small fruited (12)
Kohlrabi (5)	Turnip (5)
Lettuce (1 head or plant)	Watermelon (1)
Muskmelon incl. cantaloupe (1)	Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turks's Turban) (1)
Okra (12)	Beans, Snap, Green Pod or Golden Wax (12 pods)
Onions, large, dry (5)	Greens (collard, endive, escarole, kale, mustard, spinach, Swiss chard) (1 plant)
Onions, green or set (12)	Horseradish Root (1 marketable root specimen harvested this year)
Parsnips (5)	
Peas, (12 pods)	
Peppers, large fruited (bell/banana) (5)	

Vegetable Gardening Display (SF 50316)

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

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

Vegetable Gardening Ready4Life Challenge (SF 50318)

Open to 11- to 18-year-olds enrolled in any Vegetable Gardening project.

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

INTERCULTURAL

Each county may submit 1 individual entry from 50233; 1 individual entry from 50234; 1 individual entry from 50236; 1 club entry from 50235. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Passport to the World, Individual (SF 50233)

Prepare a display illustrating what you have learned about a country's or U.S. region's geography, economy, agriculture, people, language, housing, culture, music, crafts, clothing, holidays or other aspect. Exhibit should be educational in nature and should not promote one's beliefs over another person's beliefs. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Include the project manual with completed sections that pertain to the exhibit information. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

Diversity & Cultural Awareness (SF 50234)

Create a display or binder portfolio that illustrates the results of a minimum of three (3) completed activities from the project book. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

Intercultural Ready4Life Challenge (SF 50236)

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

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

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

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

INTERIOR DESIGN

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

Design Decisions, Beginning (SF 50242)

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

Design Decisions, Intermediate (SF 50243)

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

Design Decisions, Advanced (SF 50244)

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

Interior Design Innovation Class (SF 50245)

Open to enrolled in Interior Design.

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

Interior Design Ready4Life Challenge (SF 50247)

Open to 11- to 18-year-olds enrolled in the Interior Design project.

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

LEADERSHIP

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

Leadership 1 (SF 50249)

Create a binder portfolio with a minimum of four (4) completed activities each year from the areas noted below. Build upon your previous year's work. Photocopies or original pages of the completed activities from the book should be included in the portfolio.

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

Leadership 2 (SF 50250)

Building upon your previous work, continue adding to your binder portfolio with a minimum of four (4) completed activities each year from the areas noted below. Photocopies or original pages of the completed activities from the book should be included in the portfolio.

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

Leadership 3 (SF 50251)

Building upon your previous work, continue adding to your binder portfolio with a minimum of four (4) completed activities each year from the areas noted below. Photocopies or original pages of the completed activities from the book should be included in the portfolio.

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

Leadership Innovation Class (SF 50252)

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

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

Leadership Ready4Life Challenge (SF 50255)

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

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

Leadership Group Exhibit (SF 50254)

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

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

MAKER EXHIBITS

Counties may submit 3 entries TOTAL combined from all Maker exhibits.

MAKER (SF 50400)

This project is open to members enrolled in ANY project area.

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

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

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

NATURE: NATURAL RESOURCES AND OUTDOOR ADVENTURES

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

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

- **Natural Resources 1** (SF 50256)
Exhibit any item developed from the project book, *Step Into Nature*.
- **Natural Resources 2** (SF 50257)
Exhibit any item developed from the project book, *Explore the Natural World*.
- **Natural Resources 3** (SF 50258)
Exhibit any item developed from the project book, *Blaze the Trail*.
- **Outdoor Adventure 1-3** (SF 50259)
Exhibit a display illustrating an activity completed from the project manual.

Natural Resources Ready4Life Challenge (SF 50267)

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

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

NATURE: FISHING AND WILDLIFE

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

Sportsfishing 1 (SF 50260)

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

Sportsfishing 2 (SF 50261)

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

Sportsfishing 3 (SF 50262)

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

Wildlife 1 (SF 50266)

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

Wildlife 2 (SF 50263)

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

Wildlife 3 (SF 50265)

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

Fishing & Wildlife Ready4Life Challenge (SF 50291)

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

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

Exploring Your Environment 1 (not eligible for state fair)

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

Exploring Your Environment 2 (not eligible for state fair)

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

PHOTOGRAPHY

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

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

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

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

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

The exhibition size requirements for all photographs will be:

Minimum image size: 5X7

Maximum image size: 8X10

Maximum exhibit size (including frame): 18X20

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

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

Photography 1 (SF 50268)

Exhibit one framed photo which demonstrates your understanding of a technique you learned from your Photography 1 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

Photography 2 (SF 50269)

Exhibit one of the options listed below:

- Exhibit one framed 8"x10" close-up photograph using the skills learned on page 62-63 of the project manual titled "Bits and Pieces." No photo editing is allowed in this class except cropping and red eye removal; **OR**
- Exhibit one framed 8"x10" photo which demonstrate your understanding of a technique you learned from your Photography 2 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

Photography 3 (SF 50270)

Exhibit one of the options listed below:

- Exhibit one framed 8" x 10" still-life photo that demonstrates good composition, including color, form, texture, lighting and depth of field. No photo editing is allowed in this class except cropping and red eye removal; **OR**
- Exhibit one framed 8"x10" photo which demonstrate your understanding of a technique you learned from your Photography 3 project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

Photo Editing (SF 50271)

Open to members in Photography 1, Photography 2, and Photography 3.

Exhibit one framed 8" x 10" photo that has been altered using digital photo-editing techniques (beyond cropping and red-eye reduction). Include a print of the original photo(s), taped to the back of the photo frame. Photos in which an automatic filter was applied at the time the photograph was taken will not be eligible for award.

Photography Innovation Class: (SF 50272)

Open to youth enrolled in Photography 1, 2, and 3.

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

Photography Ready4Life Challenge (SF 50274)

Open to 11- to 18-year-olds enrolled in any Photography project

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

PLANTS & SOILS

Plants & Soils 1 (not eligible for state fair)

Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of environmental and internal factors that affect plant growth. 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.

ROBOTICS

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

NOTE: If applicable for their class and display, exhibitors must bring their own computers for demonstration purposes; computers will not be provided. Internet access will not be available.

- Exhibits in classes Robotics 1 beginning, 50285, and 50286 are designed to be used with LEGO Mindstorms (NXT or EV3).
- Any other programmable robot kit such as Arduino or Raspberry Pi, should be exhibited under Innovation Open Source class.

Robotics 1: Beginning (not eligible for state fair)

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

Robotics 1: Intermediate (SF 50285)

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

Robotics 2 (SF 50286)

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

Robotics Innovation Open Source Class (SF 50292)

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

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

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

Junk Drawer Robotics 1 (not eligible for state fair)

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

Junk Drawer Robotics 2 (SF 50288)

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

Junk Drawer Robotics 3 (SF 50289)

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

Robotics Ready4Life Challenge (SF 50293)

Open to 11- to 18-year-olds enrolled in any Robotics project

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

SHOOTING SPORTS

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

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

NOTE: Shooting Sports Displays are prohibited from displaying the following:

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

Shooting Sports: Archery (SF 50401)

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

Shooting Sports: Rifle (SF 50402)

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

Shooting Sports: Shotgun (SF 50403)

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

Shooting Sports: Hunting & Outdoor Skills (SF 50404)

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

Shooting Sports: Pistol (SF 50405)

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

Shooting Sports Ready4Life Challenge (SF 50406)**Open to 11- to 18-year-olds enrolled in any Shooting Sports project.**

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

SMALL ENGINES

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

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

Small Engines 1-3 (SF 50294)

Exhibit a display, selecting one of the following items:

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

Small Engines 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.

TECHNOLOGIES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Open to 11- to 18-year-olds enrolled in any 3-D project

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

UNMANNED AERIAL VEHICLES/SYSTEMS (DRONES):

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

UAV Display (not eligible for State Fair)

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

UAV Unmanned Aerial Systems (not eligible for State Fair)

Exhibit one Unmanned Aerial Vehicle and associated system assembled or made by the member. UAV or Drone exhibits in this class must be either originally designed or built from a kit of reconfigurable parts and components. These displays are limited to multicopters (tri, quad, hex, and octocopters), as well as FPV airplanes and flying wings with wingspans up to 36". The UAV MUST have a Flight Controller and utilize a camera/video transmission system. The exhibit will be a static display. The Drone should be in good flying condition with batteries fully charged, and all UAS components (including Video System) ready to demonstrate. DO NOT display your UAV with the propellers on, but rather on the table to the side of your UAV. The Drone will not be flown unless the weather permits, and flights have been approved by the local FAA/Air Traffic Control Tower. Attach the printed directions of the UAV if any were used.

UAV Ready4Life Challenge (not eligible for State Fair)

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

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

THEATRE ARTS

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

Theatre Arts 1 (SF 50299)

Exhibit one of the following items:

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

Theatre Arts 3 (SF 50301)

Exhibit one of the following items:

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

Theatre Arts Innovation Class (SF 50302)

Open to youth enrolled in Theatre Arts.

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

Theatre Arts Ready4Life Challenge (SF 50304)

Open to 11- to 18-year-olds enrolled in any Theatre project

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

TRACTOR

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

Tractor A (SF 50306)

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

Tractor B (SF 50307)

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

Tractor C (SF 50308)

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

Tractor D (SF 50309)

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

Tractor Innovation Class (SF 50310)**Open to youth enrolled in Tractor A, B, C or D.**

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

Tractor Ready4Life Challenge (SF 50312)**Open to 11- to 18-year-olds enrolled in any Tractor project**

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

VETERINARY SCIENCE

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

Veterinary Science (SF 50320)**(Open to youth in Veterinary Science 1, Veterinary Science 2, and Veterinary Science 3)**

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

Veterinary Science Ready4Life Challenge (SF 50322)**Open to 11- to 18-year-olds enrolled in any Veterinary Science project**

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

VIDEO/FILMMAKING

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

All Exhibitors must bring their video to be judged on a USB flash drive and saved in .MP4 format. Exhibitors are encouraged to post their video on YouTube.com in advance of State Fair. Exhibitors may choose whether to make the video “public, unlisted” (someone must have the link to view it), or “private” (only people you choose may view it). This will allow fairgoers to view the exhibits on display. There will be monitors at the exhibit table for viewing videos so exhibitors will NOT need to bring a laptop or device for viewing.

Requirements that apply to ALL video classes:

Video submissions should be no longer than five (5) minutes in length (unless noted differently in class description.). Videos are to be original and a result of the member’s current year’s work. Criteria for judging shall include: (1) Evidence of story line; (2) Use of camera angles; (3) Use of zooming techniques; and (4) Smoothness of scene changes. Image and sound quality will be considered in relation to equipment available to and used by exhibitor. All videos should comply with copyright regulations and display an image that is appropriate for 4-H audiences. No time or date should be imprinted on the video footage. All videos should include an opening title screen, as well as closing credits which include date of production, name of video exhibitor and research sources if appropriate. **All Video/Filmmaking exhibitors must include a printed copy of materials which will remain on display.**

Commercial or Promotional Video (SF 50324)

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

Animated Video (SF 50325)

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

Documentary (SF 50326)

Video in this class should represent a research-based investigation into a topic of choice. Video credits should list research sources and may include paper or electronically published materials, as well as, and/or interviews with experts or constituents related to the topic of investigation.

Short Story or Short Narrative (SF 50327)

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

Video/Filmmaking Innovation Class (SF 50328)

Open to youth enrolled in Video/Filmmaking

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

Video/Film Ready4Life Challenge (SF 50330)

Open to 11- to 18-year-olds enrolled in any Video/Film project.

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

VISUAL ARTS

Exhibitors must be enrolled in the Visual Arts project categories in which they are exhibiting. **Maximum of three entries per category with a maximum of 15 total visual art entries. Exhibitors will only receive premiums for one entry per category.** Exhibitors are encouraged to date the project when it is made. All visual arts exhibits are evaluated using a visual arts rubric which takes into account correct use of design elements; craftsmanship; and creativity.

Articles exhibited must be an original design created by the exhibitor (except in heritage arts which may follow a pattern AND Fiber-Non Original Ages 8-10 ONLY). Copyrighted or trademarked designs are not acceptable; this includes Team or School logos. Kits and preformed molds are not considered original and are not acceptable in any Visual Arts Class. Combining parts of different patterns (pictures, photographs, images from the internet or a magazine) with the member's own ideas can result in an original design, but simply changing the color, pattern and/or size of a pattern does NOT make the design original. This also applies for ideas found on a site such as Pinterest. If you see something on Pinterest that you like, use the concept and create something different using the concept; however it MUST NOT look exactly like something the judge can search for and find on Pinterest. The exhibit must combine parts of different patterns and/or ideas with the concepts of the member, however changing the color or changing the size of the item or pattern used does NOT make it original. If you create a replica of what you see somewhere else, it is not your original design. If a photo, sketch, or other idea source was used, submit it with your entry, firmly attached to your exhibit. Be prepared to explain how and where you got the idea for this project.

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

Visual Arts Food Decorating Beginning (SF 50332)

Exhibit one of the following:

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

Visual Arts Food Decorating Intermediate (SF 50333)

Exhibit one of the following:

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

Visual Arts Food Decorating Advanced (SF 50334)

Exhibit a decorated, stacked and/or tiered cake, using a minimum of four Level 3 techniques. Exhibit may use cake OR cake form.

Visual Arts Food Decorating Master (SF 50335)

Exhibit to include a one-page written description of your project, including goals, plans, accomplishments, and evaluation of results. Include up to four pictures of your accomplishments **AND** exhibit an original design decorated cake using more than five techniques. Exhibit may use cake OR cake form.

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

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

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

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

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

Visual Arts Clay: (SF 50337)

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

Visual Arts Computer-Generated Art: (SF 50338)

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

Visual Arts Fiber: (SF 50339)

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

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

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

Visual Arts Glass/Plastic: (SF 50340)

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

Visual Arts Heritage Arts: (SF 50341)

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

Visual Arts Leather: (SF 50321)

Exhibit one of the following options using leather.

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

Visual Arts Metal: (SF 50342)

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

Visual Arts Nature: (SF 50343)

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

Visual Arts Paper: (SF 50344)

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

Visual Arts Scrapbooking, Beginning: (SF 50345)

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

Visual Arts Scrapbooking, Intermediate: (SF 50346)

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

Visual Arts Scrapbooking, Advanced: (SF 50347)

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

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

Art pieces in this class must be comprised of **at least three different media**. No one medium can make up more than 40% of a piece. The piece should **be either freestanding or should be prepared to be hung**. It must be observable on at least three different sides. Originality and design are important concepts. Craft and preformed or assembled projects are not acceptable.

Visual Arts Wood: (SF 50349)

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

Visual Arts Ready4Life Challenge: (SF 50351)

Open to 11- to 18-year-olds enrolled in any Visual Arts project.

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

WEATHER

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

Weather and Climate Science I (SF 50392)

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

Weather and Climate Science 2 (SF 50393)

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

Weather and Climate Science 3 (SF 50394)

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

Weather Ready4Life Challenge (SF 50395)

Open to 11- to 18-year-olds enrolled in any Weather and Climate project.

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

WELDING

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

Welding (SF 50353)

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

Welding Ready4Life Challenge (SF 50355)

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

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

WOODWORKING

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

Woodworking 1 (SF 50357)

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

Woodworking 2 (SF 50358)

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

Woodworking 3 (SF 50359)

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

Woodworking 4 (SF 50360)

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

Woodworking Ready4Life Challenge (SF 50362)

Open to 11- to 18-year-olds enrolled in any Woodworking project

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

CLOVERBUD – Open to youth ages 5 to 7 as of September 1, 2019

Cloverbud Projects are non-competitive. Each member will receive participation ribbons but no premiums. Exhibit something done in one of the lessons from the project manuals and one per class unless stated otherwise.

Cloverbud Aerospace 1

Examples could be: learn how birds fly, make a space helmet, learn about rockets

Cloverbud Arts and Crafts (no more than 2)

Examples could be: cutting and pasting, painting, drawing.

Cloverbud Beading Crafts (no more than 2)

Examples could be: make wands, bead bowls, wooden bead necklaces, wind chimes, butterflies, pen toppers, and flags. Download new publication "4-H Craft Beading" at: <https://utah4h.org/discover>

Cloverbud Bicycle 1

Examples could be: learn and practice bicycle safety, learn street signs, practice signaling.

Cloverbud Series 1 and 2 (no more than 2)

Prepare a display related to an activity in your project manual.

Cloverbud Embryology 1

Examples could be: hatch and care for chicks (live animals are not permitted), study embryology by incubating eggs.

Cloverbud Exploring Farm Animals

Prepare a display related to an activity in your project manual. Live animals are not permitted

Cloverbud Expressive Arts (no more than 2)

Prepare a display that tells a story or expresses feelings through art, or express themselves through music and dramatic play. Download new publication "4-H Cloverbuds Communicative and Expressive Arts" at: <https://utah4h.org/discover>

Cloverbud Latino Cultural Arts

Examples could be: learn about Latin countries, Latino art

Cloverbud Personal Development & Leadership Examples could be: learn about self-discovery; building character; manners; how to be a leader; setting goals; and accepting the differences in others. Download new publication "4-H Cloverbuds Personal Development and Leadership Leader's Guide" at: <https://utah4h.org/discover>

Cloverbud Science & Technology

Prepare a display related to an activity in your project manual. Download new publication "4-H Cloverbuds Science and Technology" at <https://utah4h.org/discover>

Cloverbud Vegetable Gardening A

Prepare a display related to an activity in your project manual.

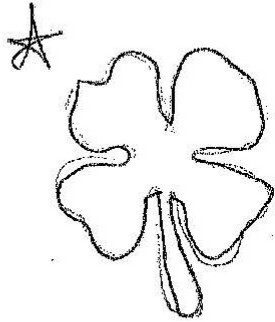
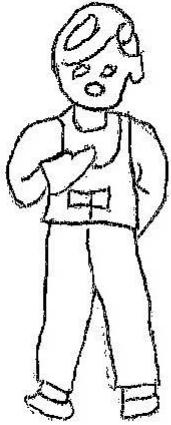
Cloverbud Veterinary Science 1

Prepare a display related to an activity in your project manual. Live animals are not permitted

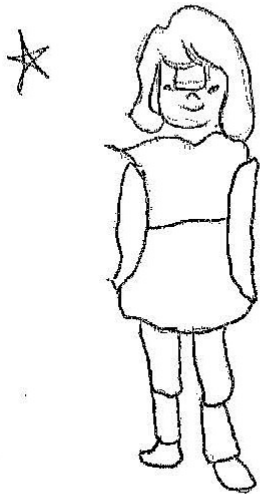
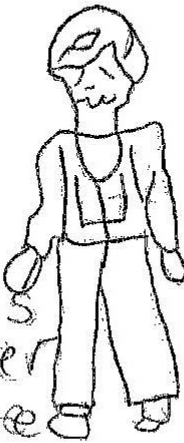
Cloverbud Welcome To 4-H

Prepare a display related to an activity in the Welcome To 4-H manual. Contact the Extension office for a manual.

July 7-11 thinking
my head to clearer
* Mercer County Fair 2020
my heart to greater Loyalty,



* My Hands to larger service *



* my health to better living

Kimel 4H Club

Aryn Hawn

