

Polk County 4-H 2018 Fair Premium and Project Classes Book



July 11th-15th 2018

**REGISTRATION MUST BE COMPLETED IN FAIR ENTRY
BY 11:59 PM ON
Friday, June 29th**



PREMIUM SCHEDULE



Sponsored by Polk County Fair Association

<u>Project Areas</u>	<u>Blue</u>	<u>Red</u>
<u>White</u>		
Banner.....	8.00	7.00
		6.00
Cloverbud / Participation	3.00	---

Livestock Interview	3.00	---

Demonstrations	8.00	7.00
		6.00
Showmanship	8.00	7.00
		6.00
Animal Science	5.00	4.00
		3.00
Cat Science, Dog Science, Exploring Animals, Horse Science, Pets, Vet Science,		
Mechanical Sciences	5.00	4.00
		3.00
Aerospace, Aquatic Robotics, Bicycle, Computer, Electric, Engineering Design, Robotics, Engineering Design Challenge, Shop/Wood Science, Small Engines, Tractor		
Personal Growth & Development	5.00	4.00
		3.00
Citizenship, Consumer Education, Global Connections, Health, Safety, Youth Leadership		
Expressive Arts & Self Determined	5.00	4.00
		3.00
Crafts & Fine Arts, Performing Arts, Photography, Self-Determined, Video		
Family & Consumer Science	5.00	4.00
		3.00
Child & Family Development, Clothing & Textiles, Food & Nutrition, Food Preservation, Food Review, Home Environment, Needle Arts, Quilting		
Natural Sciences	5.00	4.00
		3.00
Entomology, Exploring the Environment, Fishing Sports, Forest Resources, Geology, Shooting Sports & Wildlife Management, Water & Wetlands, Wildlife Biology.		
Plant/Soil Sciences	5.00	4.00
		3.00
Corn, Flower Gardening, Fruit, Indoor Gardening, Lawn and Landscape Design, Plant and Soil Science, Potatoes, Small grains & Legumes, Vegetable Gardening		

<u>Animal Project Areas</u>	<u>Blue</u>	<u>Red</u>	<u>White</u>
Beef, Sheep, Meat Goat, Swine	12.00	10.00	8.00
Dairy Cattle, Dairy Goat	12.00	10.00	8.00
Dog	5.00	4.00	3.00
Exploring Animals, Pet Livestock	5.00	4.00	3.00
Horse	8.00	6.00	4.00
Poultry, Rabbits, Llamas	5.00	4.00	3.00

JUDGING TIPS

The judging is done in a conference style by talking with the judge. The judging of the project(s) is a learning experience for you, the 4-H'er. From it, you can learn what you did well and how you can improve. An exhibit doesn't measure all that you've learned; it is only a sample. Conference judging gives you an opportunity to explain what you've learned while working on your project. So, this is your time to shine! When your project is being judged, it is important to keep the following things in mind:

- Talk to the judge. Answer any questions he/she has for you. Make them aware of what you know!
- You will be asked questions about your exhibit, so you should be prepared to tell what you were trying to do in your project (your project goals) and be able to describe the steps you took to make the exhibit.
- FOLLOW THE RULES! Make sure that your exhibit meets all the requirements as stated in the current Polk County 4-H Premium Book.
- Practice good sportsmanship. Be the kind and courteous individual that we know you all are.
- Listen carefully to the judge so that you can accept constructive criticism and learn from it.

4-H COUNTY AND STATE EXHIBIT RULES

GENERAL

1. Premium checks will be mailed out approximately 1-2 weeks after the end of the Fair.
2. Meeting exhibition requirements of the local County Fair Board/Ag Association and the 4-H Youth Development Program from 4-H exhibit entry day through release time: If exhibition requirements are not met (and permission is not granted by 4-H and fair), youth will not be eligible for all show related premiums, awards, and participation in the state event. (Auction county decision.) Approved early release is an exception to the rule and becomes a 4-H staff and fair board decision based on each situation.
3. Exhibits are released at 4 p.m. on the last day of the fair.
4. Members may exhibit, demonstrate, or take part only in projects in which they are registered in by the county fair registration deadline. All work on projects entered should be done by the 4-H member and completed during the current 4-H year unless otherwise noted.
5. **Decision of the judge is final and may not be appealed.**

STATIC EXHIBITS

1. **Poster** exhibits may not exceed 22" wide x 28" high. They may be smaller.
2. **Education/Science Tri-Fold Exhibits** for all project areas, may not exceed 12" deep x 24" wide x 36" high. (Center back 24" wide x 36" high, right and left wings each 12" wide x 36" high.)
3. All exhibits will be evaluated by a conference with the judge. Project judging criteria:

Exhibit Quality	25%
Educational Quality	25%
Knowledge and ability to explain	50%
4. **Floor Space** for any exhibit should not exceed 20 square feet. If your exhibit exceeds this space limitation, contact the Extension Office.
5. **All exhibits must be labeled** with name, club, and county. Other appropriate information for the project (i.e., vegetable varieties) should be included. If the exhibit has multiple pieces, each part needs to be labeled and should indicate 1 of 4, 2 of 4, etc.
6. Copyright Law and Infringement:
 - a) Copyright is a form of protection given to authors and creators of "original work. Original work includes a person's ideas captured in writing or as an image, photograph, song, audio recording, or visual recording.
 - b) All original work – including information found on the web – is subject to copyright protection. The author/creator has exclusive rights to reproduce, distribute, display, perform or make derivative works.

c) Before using another person's work a part of your 4-H exhibit, be sure that the work is subject to fair use, has a creative commons license or that you have requested and received permission (in writing) to use the original work. If an exhibit infringes on copyright law, a decision may need to be made to remove the exhibit from display at the county or state fair.

ANIMAL SCIENCE EXHIBITS

1. **All beef, dairy, meat goat, dairy goat, dog, horse, llama, rabbit, sheep and swine** shown in 4-H shows must have the required State 4-H ID system, ear tag, and/or tattoo. Animals' ID data must be submitted online, arrive in the Extension office, or be postmarked no later than May 15 (with the exception of market beef due Feb. 15).
2. All animals exhibited must be owned solely by the member, member's family or leased by agreement. The family includes the 4-Her's parents or guardians and siblings living together as a family unit. The definition of family includes an extended family where the animals may be owned by grandparents with the 4-Her's parents actively involved with and working on the farm. **Animals owned in partnership with non-family members (as defined above) must be leased and follow guidelines within the lease agreement.** Registered animals, not leased, must be registered in the exhibitor's name and/or the exhibitor's family name.
3. **4-H'ers** exhibiting livestock at the County Fair **are responsible for the care and feeding of animals they exhibit.**
4. All livestock exhibits, including showmanship, must be pre-registered.
5. All 4-H'ers exhibiting livestock at the fair are eligible, and encouraged, to participate in showmanship. 4-H'ers must show their own animals.
6. State Grooming & Fitting Rules: All grooming of livestock, including clipping, trimming, and manipulation of the hair/wool (such as blocking on sheep, pulling up hair on beef, and working up top lines on dairy) must be clearly done by the exhibitor, members of the immediate family, or any other enrolled Minnesota 4-H member, or a livestock resource chosen by the 4-H family. Immediate family members are defined as being parents, step parents, legal guardians, grandparents, brothers or sisters. A livestock resource is defined as someone who is working with the 4-H'er/4-H family to help them learn management, and fitting and grooming skills in their project area. An identified livestock resource person would be allowed to work with the 4-Her and their family during the fitting and grooming process to guide and teach these skills. The 4-Her exhibiting the animal

should be present and involved in the fitting process at the fair.

7. To show in the registered breed classes, animals must meet the registration requirements for that breed and registration papers must be available. **Animals without proper registration papers (crossbreeds and grades) must be shown as commercial.**
8. All animal health regulations as stipulated by the Minnesota Board of Animal Health and the County Agricultural Society will be in effect.

STATE FAIR OR STATE SHOW ELIGIBILITY

1. Trips for State Fair, State Horse Show, and State Dog Show will be selected from blue ribbon exhibits only (see State Dog Show Rules for exceptions).
2. Members selected to represent the county at **State Fair and State Horse Show must have completed sixth grade.**
3. To be eligible for a livestock trip to the State Fair, 4-H'ers must have completed Quality Assurance/ Ethics Training. **State Policy: All youth participating as a State Fair 4-H livestock exhibitor in beef, dairy, sheep, swine, poultry, rabbits, meat goat, dairy goat, and llama must have completed a Livestock Quality Assurance and Ethics workshop. There are two training options: a) 3 hour in-person workshop (LQA&E), or b) 1 hour on-line training (YQCA). Youth completing either quality assurance training option will receive a certificate of completion.**
4. Along with their qualifying State Fair exhibit trip(s), 4-H members may participate in activities such as Share-the-Fun, demonstrations, Arts-In, cooking events, animal science educational exhibits, or judging teams.
5. Competitive events, deadlines, consequences and exemption options: **Every Minnesota 4-H member is eligible for a "one-time" member exemption.** This exemption provides the ability (one-time in a 4-H member's career) for the 4-H member to acknowledge they missed a 4-H deadline related to enrollment or competitive event participation and waive the consequences for the named deadline.
6. Distribution of Unused Livestock Trips: Minnesota 4-H wants to provide as many 4-H members as possible the opportunity to experience the Minnesota State Fair judging process. To ensure that as many youth as possible have the opportunity to participate in a livestock experience at the Minnesota State Fair, staff and

volunteers are asked to follow the outlined process for the distribution of unused livestock quota trips.

CLOVERBUDS

1. When using equipment that is potentially dangerous, a responsible person will be with the Cloverbud at all times, guiding and monitoring their involvement.
2. Cloverbuds must wear appropriate safety helmets when riding horses or bicycles.
3. **When Cloverbuds and animals are together at a 4-H program, or participating at the county fair as a 4-H member, the following rules apply to the responsible person:**
 - a. **Must be in control of the animal at all times.**
 - b. **Never turn control over to the Cloverbud**
4. Cloverbuds may safely interact with their animal through participation in a limited number of non-competitive classes at 4-H sponsored practice sessions/clinics, funs shows, and county fairs. The purpose is to provide youth an opportunity to experience being in the ring with a judge present and to feel the pride that comes with this experience. Examples of participation are as follows: Cloverbuds may participate with...
 - a. Beef, dairy, dog, goats, pets, poultry, rabbits, and swine in a Cloverbud Showmanship Class.
 - b. Sheep in two classes: Cloverbud Showmanship or Cloverbud Lamb Lead.
 - c. Llama in two classes: Cloverbud Costume or Cloverbud showmanship.
 - d. Horse in three classes: Cloverbud Halter/Showmanship, Cloverbud Western Pleasure, or Cloverbud Barrels. If the horse is used in a riding setting, the Cloverbud may sit on the back of the horse with a responsible person in control of the horse at all times. Helmets required for the Cloverbud in any riding setting.
 - i. A "responsible person" is defined as a screened adult volunteer, youth leader (6th grade or older), parent, or other adult who may appropriately assist.

PROJECT CLASSES AND CODES

☘ ANIMAL SCIENCE PROJECTS ☘

BEEF

It is recommended that classes contain at least three head, when possible, to assure a level of competition. It may be necessary to combine breeds and/or Registered and Commercial animals.

Birth Dates For	Birth Dates
Spring Calf	Jan 1 – Apr 30, current year
Fall Calf	Sept.1-Dec. 31, 2017
Summer yearling	May 1-Aug. 31, 2017
Junior yearling	Jan. 1-April 30, 2017
Senior yearling	Sept. 1-Dec. 31, 2016
Cow/Calf	Calf born on or after January 1 of current year
Prospect Calf	January 1 – April 30, current year
Market Beef	January 1 to August 31, 2017
Dairy Steer	January 1 to August 31, 2017

BREEDING HEIFER

- Beef - Registered Spring Calf
- Beef - Registered Fall Calf
- Beef - Registered Summer Yearling
- Beef - Registered Junior Yearling
- Beef - Registered Senior Yearling
- Beef - Commercial Spring Calf
- Beef - Commercial Fall Calf
- Beef - Commercial Summer Yearling
- Beef - Commercial Junior Yearling
- Beef - Commercial Senior Yearling

Requirements:

- Beef heifer ownership ID forms and/or lease agreements must be on file/4-H Online in the Regional Extension 4-H Office by May 15th of the current year.

COW AND CALF

- Beef - Cow and Calf Pair (Both must be halter broke to lead)

PROSPECT CALF

- Beef - Heifer or Steer Calf

MARKET BEEF

- Beef - Market Steer
- Beef - Market Heifer

Requirements:

-Must be ID'd by Feb. 15 of current year.
 - Recommended minimum weight for State Fair is 1,000 pounds; maximum weight is 1,500 pounds. Market animals exceeding the maximum weight will not be purple ribbon eligible for State fair.

DAIRY STEER

- Beef - Purebred Dairy Steer
- Beef - Crossbred Dairy Steer

Requirements:

- Recommended minimum weight for State Fair is 1,000 pounds; maximum weight is 1,600 pounds. Market animals exceeding the maximum weight will not be purple ribbon eligible for State fair.

- Purebred Dairy Steers must be **100% dairy breed**. The following Dairy Breeds will be accepted without registration papers: Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey.
- Dairy Steers showing permanent teeth may be shown, but they can place no higher than a red ribbon and they will not be eligible for State Fair or auction.
- A crossbred dairy steer division has been added. Crossbred Dairy Steers must be from the following breeds in any combination: Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey, Milking Shorthorn, Montebeliarde, Normande, Red & White Holsteins, Norwegian Red and Viking Red (Swedish, Danish & Finnish Red).

BEEF SHOWMANSHIP

- Beef Showmanship - Grades 9+
- Beef Showmanship - Grades 6-8
- Beef Showmanship - Grades 3-5

BEEF POSTER (judged entry day at Exhibit Hall)

- Beef Poster - Grades 9+
- Beef Poster - Grades 6-8
- Beef Poster - Grades 3-5

BEEF INTERVIEW

- Beef Interview - Grades 9+
- Beef Interview - Grades 6-8
- Beef Interview - Grades 3-5

BEEF CLOVERBUD

- Beef Cloverbud

DAIRY

It is recommended that classes contain at least three head, when possible, to assure a level of competition. It may be necessary to combine breeds and/or Registered and Commercial animals.

Birth Dates:	
Winter calf	Dec 1, 2017 to Feb 28, 2018
Fall calf	Sept 1 to Nov 30, 2017
Summer Junior Yearling	June 1 to August 31, 2017
Spring Junior Yearling	March 1 to May 31, 2017
Winter Senior Yearling	Dec 1, 2016 to Feb 28, 2017
Fall Senior Yearling	Sept 1 to Nov 30, 2016
Junior 2 year old	March 1, to Aug 31, 2016
Senior 2 year old	Sept 1, 2015 to Feb 29, 2016
Three year old cows	Sept 1, 2014 to Aug 31, 2015
Four year old cows	Sept 1, 2013 to Aug 31, 2014
Cow, five years & older	Born before Sept 1, 2013

HOLSTEIN REGISTERED & GRADE

- Dairy - Spring (Junior) Calf
- Dairy - Winter Calf
- Dairy - Fall Calf
- Dairy - Summer Jr. Yearling

Dairy - Spring Jr. Yearling
Dairy - Winter Sr. Yearling
Dairy - Fall Sr. Yearling
Dairy - Jr. Two-Year-Old Cow
Dairy - Sr. Two-Year-Old Cow
Dairy - Three-Year-Old Cow
Dairy - Four-Year-Old Cow
Dairy - Five-Year-Old and Older Cow
Dairy - Dry Cow

MIXED COLOR REGISTERED & GRADE

Dairy - Spring (Junior) Calf
Dairy - Winter Calf
Dairy - Fall Calf
Dairy - Summer Jr. Yearling
Dairy - Spring Jr. Yearling
Dairy - Winter Sr. Yearling
Dairy - Fall Sr. Yearling
Dairy - Jr. Two-Year-Old Cow
Dairy - Sr. Two-Year-Old Cow
Dairy - Three-Year-Old Cow
Dairy - Four-Year-Old Cow
Dairy - Five-Year-Old and Older Cow
Dairy - Dry Cow

Requirements:

- Senior Yearlings that have calved must compete in the two-year-old cow class.
- Advanced classes must show a complete butterfat record for 305 days.

DAIRY SHOWMANSHIP

Dairy Showmanship - Grades 9+
Dairy Showmanship - Grades 6-8
Dairy Showmanship - Grades 3-5

DAIRY POSTER (judged entry day at Exhibit Hall)

Dairy Poster - Grades 9+
Dairy Poster - Grades 6-8
Dairy Poster - Grades 3-5

DAIRY INTERVIEW

Dairy Interview - Grades 9+
Dairy Interview - Grades 6-8
Dairy Interview - Grades 3-5

DAIRY CLOVERBUD

Dairy Cloverbud

DOG

DOG AGILITY

Note: Dogs will be judged at the Dog show on Saturday, July 28th at the Clearwater County Fairgrounds starting at 8:00 a.m.

Dog - Pre-Agility
Dog - Agility Beginner

Dog - Agility Elementary
Dog - Agility Intermediate
Dog - Agility Senior
Dog - Agility Advance
Dog - Jumpers I
Dog - Jumpers II
Dog - Jumpers III

DOG OBEDIENCE

Dog - Obedience Foundation Class
Dog - Obedience Beginner
Dog - Obedience Graduate Beginner
Dog - Obedience Novice
Dog - Obedience Graduate Novice
Dog - Obedience Pre-Open
Dog - Obedience Open
Dog - Obedience Graduate Open
Dog - Obedience Pre-Utility
Dog - Obedience Utility
Dog - Obedience Veterans
Dog - Obedience Brace
Dog - Obedience 4 Dog Team

DOG RALLY

Dog - Rally Foundation

Dog - Rally Pre-Novice
Dog - Rally Novice
Dog - Rally Pre-Advanced
Dog - Rally Advanced
Dog - Rally Excellent
Dog - Rally Veterans

DOG SHOWMANSHIP

Dog - Showmanship Novice Junior
Dog - Showmanship Open Junior
Dog - Showmanship Novice Senior
Dog - Showmanship Open Senior

DOG INTERVIEW

Dog Interview - Grades 9+
Dog Interview - Grades 6-8
Dog Interview - Grades 3-5

DOG CLOVERBUD

Cloverbud Dog

Requirements:

- **A dog may be shown in the dog show or the pet show, not both!**
- 4-Hers – 3rd grade and up are eligible for county and state dog show.
- 4-Hers shall exhibit in the classes corresponding to the level of training they and their dog have received. Additional information, class requirements, and rules/regulations can be found in the Minnesota 4-H Agility, Obedience, Rally, and Showmanship rules and guidelines (three separate publications) available on the MN 4-H dog project website:

<http://www.extension.umn.edu/youth/mn4-H/projects/animal-science/dog/>

- All dogs must have been vaccinated according to the requirements listed on the MN 4-H Dog Project ID Affidavit and Vaccination Form.

GOAT

It is recommended that classes contain at least three head, when possible, to assure a level of competition. To accomplish this it may be necessary to combine Registered, Recorded and Unrecorded animals.

GOAT DAIRY

<u>BIRTH DATES:</u>	
Junior Doe Kid	April 1 to June. 30, 2018
Senior Doe Kid	Jan. 1 to March 31, 2018
Dry Yearling Doe	Born in 2017
Milking Yearling Doe	Born in 2017
Milking two-year old Doe	Born in 2016
Milking 3 yrs. And under 5 yrs.	Born in 2014 or 2015
Milking 5 yrs. And older	Born before 2013

DAIRY GOAT

- Dairy Goat Jr. Doe Kid
- Dairy Goat Sr. Doe Kid
- Dairy Goat - Dry Yearling Doe
- Dairy Goat - Milking Yearling Doe
- Dairy Goat - Milking 2 Year Old Doe
- Dairy Goat - Milking 3 - 4 Year Old Doe
- Dairy Goat - Milking 5 Year Old Doe
- Dairy Goat - Milking 6+ Year Old Doe

Requirements:

- Must be ID'd by May 15 of current year.
- Junior Dairy Doe Kids must be added to the Dairy Goat ID by June 30th, 2018.
- For safety reasons all dairy goats must be Disbudded/ dehorned. Regrowth of less than ONE INCH allowed.

DAIRY GOAT SHOWMANSHIP

- Dairy Goat Showmanship - Grades 9+
- Dairy Goat Showmanship - Grades 6 - 8
- Dairy Goat Showmanship - Grades 3 - 5

DAIRY GOAT POSTER (judged entry day at Exhibit Hall)

- Dairy Goat Poster - Grades 9+
- Dairy Goat Poster - Grades 6 - 8
- Dairy Goat Poster - Grades 3-5

DAIRY GOAT INTERVIEW

- Dairy Goat Interview - Grades 9+
- Dairy Goat Interview - Grades 6 - 8
- Dairy Goat Interview - Grades 3 - 5

DAIRY GOAT CLOVERBUD

Cloverbud Dairy Goat

GOAT MEAT/MARKET

It is recommended that classes contain at least three head, when possible, to assure a level of competition. To accomplish this it may be necessary to combine Registered, Recorded and Unrecorded animals.

<u>BIRTH DATES:</u>	
Market Goat (altered male or female)	December 1 2017 – April 30, 2018
Dairy Market Goat (altered male)	December 1, 2017 - April 30, 2018
Senior Yearling Breeding Doe	December 1, 2016-March 31, 2017
Junior Yearling Breeding Doe	April 1, 2017 – August 31, 2017
Fall Yearling Meat Breeding Doe	Sept. 1, 2017-Nov. 30, 2017
Senior Meat Breeding Doe Kid	Dec. 1, 2017-Feb. 28, 2018
Junior Meat Breeding Doe Kid	Mar 1, 2018-May 31, 2018

Note: Pygmy Goats (all breeds) are classed as Meat Goats.

MARKET GOAT

- Meat Market Goat - wether**
- Meat Market Goat - doe**
- Dairy Market Goat - wether**

MEAT GOAT BREEDING DOE

- Meat Goat - Junior Yearling Breeding Doe, registered or grade**
- Meat Goat - Senior Yearling Breeding Doe, Registered or Grade**
- Meat Goat – Fall Yearling Breeding Doe**
- Meat Goat – Senior Meat Breeding Doe Kid**
- Meat Goat – Junior Meat Breeding Doe Kid**

Requirements:

- Market animals must be a minimum of 40 pounds, but not to exceed a maximum of 110 pounds by State Fair.
- Must be ID'd by May 15 of current year.

Note: For safety reasons, all market goats must be dehorned/ disbudded. **Regrowth must not exceed 1 inch. Does shown in market classes must be disbudded in accordance with market animal rules. Cut (saws) off horns are not permitted. Meat breeding does may have horns** and they do not need to be capped or blunted. However, if an animal is deemed a safety concern at the discretion of the committee, additional safety measures may be required.

MEAT GOAT SHOWMANSHIP

- Meat Goat Showmanship - Grades 9+
- Meat Goat Showmanship - Grades 6 - 8
- Meat Goat Showmanship - Grades 3 - 5

MEAT GOAT POSTER (judged entry day at Exhibit Hall)

Meat Goat Poster - Grades 9+
Meat Goat Poster - Grades 6-8
Meat Goat Poster - Grades 3-5

MEAT GOAT INTERVIEW

Meat Goat Interview - Grades 9+
Meat Goat Interview - Grades 6 - 8
Meat Goat Interview - Grades 3 - 5

MEAT GOAT CLOVERBUD

Cloverbud Meat Goat

HORSE

Requirements: Horse Helmet Policy:

All 4-Hers participating in any 4-H sponsored mounted activity are required to wear properly fastened ASTM/SEI approved protective headgear. Helmet use is required when mounted. This policy also extends to 4-H volunteers when they are working with 4-H youth in a 4-H volunteer role during mounted activities. Additional information can be found on www.4-H.umn.edu/projects/animal-science/horse

- Classes may be combined or split depending on number of entries.

HORSE SHOW

BARREL RACE

Horse - Barrel Race, Grades 10+
Horse - Barrel Race, Grades 8-9
Horse - Barrel Race, Grades 6-7
Horse - Barrel Race, Grades 3-5
Horse - Barrel Race, Novice

JUMPING FIGURE 8

Horse - Jumping Figure 8, Grades 10+
Horse - Jumping Figure 8, Grades 8-9
Horse - Jumping Figure 8, Grades 6-7
Horse - Jumping Figure 8, Grades 3-5
Horse - Jumping Figure 8, Novice

KEY RACE

Horse - Key Race, Grades 10+
Horse - Key Race, Grades 8-9
Horse - Key Race, Grades 6-7
Horse - Key Race, Grades 3-5
Horse - Key Race, Novice

POLE WEAVING

Horse - Pole Weaving, Grades 10+
Horse - Pole Weaving, Grades 8-9
Horse - Pole Weaving, Grades 6-7
Horse - Pole Weaving, Grades 3-5
Horse - Pole Weaving, Novice

ENGLISH EQUITATION (Hunt seat or Saddle Seat)

Horse - English Equitation - Grades 10+
Horse - English Equitation - Grades 8-9
Horse - English Equitation - Grades 6-7
Horse - English Equitation - Grades 3-5

Horse - English Equitation - Novice

ENGLISH PLEASURE (Hunt seat or Saddle Seat)

Horse - English Pleasure - Grades 10+
Horse - English Pleasure - Grades 8-9
Horse - English Pleasure - Grades 6-7
Horse - English Pleasure - Grades 3-5
Horse - English Pleasure - Novice

WESTERN HORSEMANSHIP

Horse - Western Horsemanship, All Gaits - Grades 10+
Horse - Western Horsemanship, All Gaits - Grades 8-9
Horse - Western Horsemanship, All Gaits - Grades 6-7
Horse - Western Horsemanship, All Gaits - Grades 3-5
Horse - Western Horsemanship, All Gaits - Novice

WESTERN PLEASURE

Horse - Western Pleasure - Grades 10+
Horse - Western Pleasure - Grades 8-9
Horse - Western Pleasure - Grades 6-7
Horse - Western Pleasure - Grades 3-5
Horse - Western Pleasure - Novice

HORSE SHOWMANSHIP

Horse - Showmanship, Grades 10+
Horse - Showmanship, Grades 8-9
Horse - Showmanship, Grades 6-7
Horse - Showmanship, Grades 3-5
Horse - Showmanship, Novice

TRAIL CLASS

Horse - Trail Class, Grades 10+
Horse - Trail Class, Grades 8-9
Horse - Trail Class, Grades 6-7
Horse - Trail Class, Grades 3-5
Horse - Trail Class, Novice

HORSE TRAINING

Horse - Training Steps 1 - 6

HORSE INTERVIEW

Horse - Interview, Grades 10+
Horse - Interview, Grades 8-9
Horse - Interview, Grades 6-7
Horse - Interview, Grades 3-5

HORSE POSTER (judged entry day at Exhibit Hall)

Horse - Poster, Grades 9+
Horse - Poster, Grades 6-8
Horse - Poster, Grades 3-5

HORSE RELATED (judged entry day at Exhibit Hall)

Horse - Horse Related, Grades 6+
Horse - Horse Related, Grades 3-5

Requirement:

- Must be enrolled in the Horse Project to exhibit in this division.

- Exhibits may be a model, poster, scrapbook, essay, and/or article. The exhibit should show or explain something the 4-H member has made, done, or learned in the project.

- Exhibits are conference judged with the exhibitor present

HORSELESS HORSE (judged entry day at Exhibit Hall)

Horse - Horseless Horse, Grades 6+

Horse - Horseless Horse, Grades 3-5

Requirement:

- Exhibits may be a model, poster, scrapbook, essay, and/or article. The exhibit should show or explain something the 4-H member has made, done, or learned in the project.

- Exhibits are conference judged with the exhibitor present.

HORSE CLOVERBUD

Horse - Cloverbud Barrels

Horse - Cloverbud Western Pleasure

Horse - Cloverbud Horse Showmanship

LIAMA

LIAMA

Llama - Costume Grades 9+

Llama - Costume Grades 6-8

Llama - Costume Grades 3-5

Llama - Obstacle Course, Grades 9+

Llama - Obstacle Course, Grades 6-8

Llama - Obstacle Course, Grades 3-5

Llama - Public Relations, Grades 9+

Llama - Public Relations, Grades 6-8

Llama - Public Relations, Grades 3-5

Llama Showmanship Grades 9+

Llama Showmanship Grades 6-8

Llama Showmanship Grades 3-5

LLAMA POSTER (judged entry day at Exhibit Hall)

Llama Poster Grades 9+

Llama Poster Grades 6-8

Llama Poster Grades 3-5

LLAMA INTERVIEW

Llama Interview Grades 9+

Llama Interview Grades 6-8

Llama Interview Grades 3-5

LLAMA CLOVERBUD

Llama Cloverbud Showmanship

Llama Cloverbud Costume

Birthdates

4-H Llama projects must be born prior to **January 1** of current year.

Gender

-No sexually intact male above 18 months is eligible for exhibition.

-All castrated males born prior to **Jan 1** of current year are eligible for exhibition.

-All females born prior to **Jan 1** of current year are eligible for exhibition.

POULTRY

CHICKENS

Chickens - Market pen of two males or two females

Chickens - Breeding pen of one male & two females

Chickens - Bantam Breeding pen of

one male & two females

Chickens - Egg production pen of two pullets,

White egg layers

Chickens - Egg production pen of two pullets,

Brown egg layers

DOVES

Doves - Purebred breeding pair

DUCKS

Ducks - Market pen of two males or two females

Ducks - Breeding pen of one male & two females

Ducks - Bantam Breeding pen of

one male & two females

GEESE

Geese - Market pen of two males or two females

Geese - Breeding pen of one male & two females

GUINEA

Use the following Classes, with the Divisions to indicate the type of your project animal(s). Note: ONLY Pearls, Whites and Lavender breeds can be shown:

Guinea - Market pen of two males or two females - same breed

Guinea - Breeding pen of one male & two females - same breed

PIGEONS

Pigeons - Utility, 1 Breeding Pair

Pigeons - Utility, 1 Young bird Male or Female,

1 young bird, this year band

Pigeons - Fancy, 1 Breeding Pair

Pigeons - Fancy, Young bird Male or Female,

1 young bird, this year band

Pigeons - Flying, 1 Breeding Pair

Pigeons - Flying, Young bird Male or Female,

1 young bird, this year band

TURKEYS - Domestic only

Turkeys - Domestic Only - Market pen of two males or two females

Turkeys - Domestic Only - Breeding pen of one male & two females

POULTRY FLOCK

Mixed Flock

Requirements:

- Egg production pen of two pullets will have two separate lots – one for white egg layers and one for brown egg layers. **White egg layers must be hybrid. Brown egg layers must be commercial purebred or hybrid; hybrids are preferred.**
- Poultry exhibited must be of this year's hatch, (except doves and pigeons). All, except waterfowl and pigeons, must have health certificate and must be identified by a numbered leg band.
- Breeding classes will be judged on breed characteristics using the American Standard of Perfection as a guide.

POULTRY INTERVIEW

- Poultry Interviews - Grades 9+
- Poultry Interviews - Grades 6-8
- Poultry Interviews - Grades 3-5

POULTRY POSTER (judged entry day at Exhibit Hall)

- Poultry Poster - Grades 9+
- Poultry Poster - Grades 6-8
- Poultry Poster - Grades 3-5

POULTRY SHOWMANSHIP

- Poultry Showmanship - Grades 9+
- Poultry Showmanship - Grades 6-8
- Poultry Showmanship - Grades 3-5

POULTRY CLOVERBUD

- Poultry Cloverbuds

RABBITS

SMALL BREEDS

- Rabbit - Small Breed Senior Buck over 6 months of age
- Rabbit -Small Breed Senior Doe over 6 months of age
- Rabbit -Small Breed Junior Buck under 6 months of age
- Rabbit -Small Breed Junior Doe under 6 months of age

Class 4 (small) rabbit breeds include Dutch, Holland Lop, Jersey Wooly, Mini Lop, Mini Rex, Netherland Dwarf, Polish, Rex, American Fuzzy Lop, American Sable, Dwarf Hotot, English Angora, French Angora, Satin Angora, Belgian Hare, Britannia Petite, Standard Chinchilla, English Spot, Florida White, Harlequin, Havana, Himalayan, Lilac, Lion Head, Rhinelander, Silver, Silver Marten and Tan.

LARGE BREEDS

- Rabbit -Large Breed Senior Buck over 8 months of age
- Rabbit -Large Breed Senior Doe over 8 months of age
- Rabbit -Large Breed Intermediate Buck 6 - 8 months of age
- Rabbit -Large Breed Intermediate Doe 6 - 8 months of age
- Rabbit -Large Breed Junior Buck under 6 months of age
- Rabbit - Large Breed Junior Doe under 6 months of age

Class 6 (large) rabbit breeds include New Zealand, Satin, American Giant Angora, Bevern, California, Champagne Dargent, Checkered

Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Crème Dargent, Flemish Giant, Hotot, English Lop, Palomino and Silver Fox.

Requirements:

- All breeds recognized by the American Rabbit Breeders Association are eligible. Rabbits will be judged according to ARBA standards.
- Each rabbit must be permanently tattooed in the left ear for identification purposes.

RUNNING BREEDS

- Senior Buck over 8 months of age
- Senior Doe over 8 months of age
- Intermediate Buck 6-8 months of age
- Intermediate Doe 6-8 months of age
- Junior Buck under 6 months of age
- Junior Doe under 6 months of age

Requirements:

- Breeding Rabbit requirements apply to Running Breeds.
- Running Breeds include: Checkered Giant, English Spot, Rhinelander, and Tan.

MARKET RABBIT

- Rabbit -Single Fryer, **3 1/2 to 5 1/2 pounds**, not over 70 days old
- Rabbit - Pen of three fryers, **3 1/2 to 5 1/2 pounds**, not over 70 days old

RABBIT SHOWMANSHIP

- Rabbit Showmanship - Grades 9+
- Rabbit Showmanship - Grades 6 - 8
- Rabbit Showmanship - Grades 3 - 5

RABBIT POSTER (judged entry day at Exhibit Hall)

- Rabbit Poster - Senior Grades 9+
- Rabbit Poster - Intermediate Grades 6 - 8
- Rabbit Poster - Beginner Grades 3 - 5

RABBIT INTERVIEW

- Rabbit Interview - Grades 9+
- Rabbit Interview - Grades 6 - 8
- Rabbit Interview - Grades 3 - 5

RABBIT CLOVERBUD

- Cloverbud Rabbit

SHEEP

It is recommended that classes contain at least three head, when possible, to assure a level of competition. It may be necessary to combine breeds and/or Registered and Commercial animals.

<u>BIRTH DATES:</u>	
January Ewe Lamb	Born in January of current year
February Ewe Lamb	Born in February of current year
March Ewe Lamb	Born in March of current year

Yearling Ewe	Born on or after January 1 of previous year and must not show evidence of four permanent incisors.
Market Lamb	Born on or after January 1 st of current year

BREEDING EWE

- Sheep - Registered Yearling Ewe
- Sheep - Registered January Ewe Lamb
- Sheep - Registered February Ewe Lamb
- Sheep - Registered March Ewe Lamb
- Sheep - Commercial Yearling Ewe
- Sheep - Commercial January Ewe Lamb
- Sheep - Commercial February Ewe Lamb
- Sheep - Commercial March Ewe Lamb

FLEECE

Sheep Fleece

Requirements:

- All 4-H'ers receiving a blue ribbon on their fleece may exhibit at the State Fair; no housing will be provided!

LAMB LEAD

- Lamb Lead - Grades 9+
- Lamb Lead - Grades 6-8
- Lamb Lead - Grades 3-5

Requirements:

- Lamb lead exhibitors must groom and train a sheep and must wear a garment made from at least 60% wool. Garment is defined as a piece of clothing covering a main part of your body (not socks or accessories).
- Exhibitors will be judged based on project knowledge, poise, their outfit, and their lamb.
- Classes may be combined depending on number of entrants.

MARKET LAMB

Market Lamb – Speckle, Black, or White Face

Requirements:

- Recommended minimum weight for State Fair is 105 pounds; required maximum weight is 170 pounds.

SHEEP INTERVIEW

- Sheep Interview - Grades 9+
- Sheep Interview - Grades 6-8
- Sheep Interview - Grades 3-5

SHEEP POSTER (judged entry day at Exhibit Hall)

- Sheep Poster - Grades 9+
- Sheep Poster - Grades 6-8
- Sheep Poster - Grades 3-5

SHEEP SHOWMANSHIP

- Sheep Showmanship - Grades 9+
- Sheep Showmanship - Grades 6-8
- Sheep Showmanship - Grades 3-5

SHEEP CLOVERBUD

Sheep – Cloverbud

SWINE

– Market Gilts will be shown again at State Fair.

(Note: Champion barrows and gilts will never compete and auction limitations will be in place.)

It is recommended that classes contain at least three head, when possible, to assure a level of competition. It may be necessary to combine breeds and/or Registered and Commercial animals.

<u>BIRTH DATES:</u>	
January Gilt	Born in January of current year
February Gilt	Born in February of current year
March Gilt	Born in March of current year
Market Barrow	Born on or after January 1 of current year. Recommended farrow date of February 1 or after.
Market Gilt	Born on or after January 1 of current year. Recommended farrow date of February 1 or after.

BREEDING GILTS

- Swine - Registered January Gilt
- Swine - Registered February Gilt
- Swine - Registered March Gilt

- Swine - Commercial January Gilt
- Swine - Commercial February Gilt
- Swine - Commercial March Gilt

MARKET BARROW/GILT

- Swine - Market Barrow
- Swine - Market Gilt
- Swine - Pen of 2
- Swine - Pen of 3

Requirements:

- Recommended minimum weight for State Fair is 220 pounds; maximum State Fair weight is 300. Market barrows and market gilts weighing less than 220 pounds will show in their own class "Super Lightweights" and those 301 pounds and over will show in their own class "Super Heavyweights" and will be eligible for blue, red, or white ribbons, and are not eligible for champions.

SWINE SHOWMANSHIP

- Swine Showmanship - Grades 9+
- Swine Showmanship - Grades 6-8
- Swine Showmanship - Grades 3-5

SWINE INTERVIEW

- Swine Interview - Grades 9+
- Swine Interview - Grades 6-8
- Swine Interview - Grades 3-5

SWINE POSTER (judged entry day at Exhibit Hall)

- Swine Poster - Grades 9+
- Swine Poster - Grades 6-8
- Swine Poster - Grades 3-5

SWINE CLOVERBUD

Cloverbud Swine

☘ Science of Animals Educational Exhibits

<u>Health/Breeding/Production Exhibit</u>	<u>Zoonotics Exhibit</u>	<u>Other Exhibits</u>
Beef	Beef	Beef
Dairy	Dairy	Dairy

Goat - Dairy	Goat - Dairy	Goat - Dairy
Goat - Meat	Goat - Meat	Goat - Meat
Poultry	Poultry	Poultry
Rabbits	Rabbits	Rabbits
Sheep	Sheep	Sheep
Swine	Swine	Swine

Exhibit Suggestions:

- Items constructed (such as feeding systems or show equipment) or science exhibits focusing on one of the four divisions listed above.
- These projects may be enhanced with 3-dimensional displays, posters or notebooks
- State Fair trips will be available. Exhibits will be judged during Livestock Weekend and 4-H'ers may exhibit both an animal and a Science of Animal Educational Exhibit.

☘ STATIC 4-H PROJECTS ☘

☘ 4-H ADVENTURES

- Adventures - Grades 9+
- Adventures - Grades 6-8
- Adventures - Grades 3-5
- Adventures - Grades K-2

Requirements:

- This exhibit area is for youth who are not enrolled in a Community 4-H Club program, but have participated in a short-term University of Minnesota Extension Service learning activity (after School 4-H, Winter Workshop, Babysitting Clinic, etc.).
- The exhibit or presentation must show something learned in a University of Minnesota Extension Service learning activity.

☘ AEROSPACE

- Aerospace - Grades 9+
- Aerospace - Grades 6-8

Aerospace - Grades 3-5

Requirements:

- Flyable models should be ready for flight (do not include fuel); recovery system should be in place and operative.
- Members should be familiar with safety codes in 4-H curriculum.

Exhibit Suggestions:

- Flyable models built from kit or your own design.
- Non-flyable models built from kit or your own design.
- Display of other equipment needed for aerospace project.

☘ BICYCLE

- Bicycle - Grades 9+
- Bicycle - Grades 6-8
- Bicycle - Grades 3-5

Exhibit Suggestions:

- Display showing types of bikes, parts of a bike, maintenance, traffic rules, bicycling hazards, how to wear a helmet, equipment used to teach others about bike repair or first aid, etc.
- Notebook or picture story of a bike rodeo or other bike event you helped with, or research on some other aspect of bicycling that was presented to a class or service club.

🌿 **CAT**

- Cat - Grades 9+
- Cat - Grades 6-8
- Cat - Grades 3-5

Exhibit Suggestions:

- Educational exhibits may include models, diagrams or pictures. Members must have a photograph of themselves with their cat shown on a display or poster.

🌿 **CHILD & FAMILY DEVELOPMENT**

- Child & Family Development - Grades 9+
- Child & Family Development - Grades 6-8
- Child & Family Development - Grades 3-5

Requirements:

- Exhibitors should be prepared to discuss, in conference judging, the age and other characteristics of the child for whom the exhibit is intended and how the exhibit contributes to the child's growth, development, and well being.
- If the exhibit is designed to be interactive with children, the item is to be used with children before exhibiting and a photograph of this activity must accompany the exhibit. Signs of use will not detract from the placing of the exhibit.

Exhibit Suggestions:

- Toys, games, puzzles, puppets, art/craft materials, etc., made from new or recycled/throw-away material.
- Babysitting kit/travel kit/rainy day kit, including at least one item made by exhibitor.
- Original book, story, poem, song, play, cookbook, audio or video tape and narrative, activity book, safety manual for children, informational file folder about children and/or families.
- Scrapbook, photographs, items, reports, video, etc., on family heritage with description of what was learned about self and family.
- A creatively developed program and/or item used for/ with a person with a special need (gifted, developmentally delayed, physically impaired, etc.).

🌿 **CITIZENSHIP**

- Citizenship - Grades 9+
- Citizenship - Grades 6-8
- Citizenship - Grades 3-5

Exhibit Suggestions:

- 3-Ring binder, report binder or 3-sided display reporting on community projects and/or citizenship activities, which you or your club completed under your leadership. Include plans of action as well as the evaluation of each.
- A written narrative and/or visual communication presentation of 8 to 10 minutes, using photos, video and/or slides, to show how you worked with others in your community to solve problems.

🌿 **CLOTHING AND TEXTILES**

- Clothes You Make - Grades 9+
- Clothes You Make - Grades 6-8
- Clothes You Make - Grades 3-5

- Clothes You Buy - Grades 9+
- Clothes You Buy - Grades 6-8
- Clothes You Buy - Grades 3-5

- Non-Garment - Grades 9+
- Non-Garment - Grades 6-8
- Non-Garment - Grades 3-5

- Fashion Review Clothes You Make - Grades 9+
- Fashion Review Clothes You Make - Grades 6-8
- Fashion Review Clothes You Make - Grades 3-5

- Fashion Review Clothes You Buy - Grades 9+
- Fashion Review Clothes You Buy - Grades 6-8
- Fashion Review Clothes You Buy - Grades 3-5

- Fashion Review - Cloverbud

Clothes or Non Garment You Make Requirements:

- Each garment must include an information tag listing: pattern, company name and number, fiber content of fabric and care instructions, member name and club.
- Garments may have been worn before showing, but should be cleaned before exhibiting.
- Items constructed should be appropriate for skill level and experience of exhibitor.

Clothes or Non Garment You Make Exhibit Suggestions:

- A project such as a pillow top, tote bag, chef's apron, skirt with elastic waistband, backpack, etc.,
- A constructed garment made from a pattern
- Creative sewing such as wearable art, costume, or use of techniques such as knitting, cross-stitch, etc, incorporated into garment.
- Clothing or textiles display showing a "fact" or "why" related to clothing selection and care.
- Garment mended, repaired or recycled, with color photo of original garment and explanation of steps used.

Clothes or Non Garment You Buy Requirements:

- The purchased garment or outfit **must** be accompanied by an 8-1/2"x 11" binder with, at minimum, the following information:
 - a) Colored photo of member wearing the garment. Label photo with name, county, and color of complexion, hair and eyes.
 - b) Cost of garment. Explanation of why garment was purchased and examples of ways it will be used in existing wardrobe, and include inventory of wardrobe.
- Garments may have been worn before showing, but should be cleaned and pressed before exhibiting.

Clothes or Non Garment You Buy Exhibit suggestions:

- A purchased garment that fits into your wardrobe plan.
- A poster showing cost comparisons, wardrobe building, accessorizing, care, etc.

Fashion Review Clothes You Make or Buy Requirements:

- Participants may model any clothing they have constructed, restyled or purchased as a part of their 4-H clothing project.

Note: At State Fair, clothing exhibitors can use the same garment to participate in both Fashion Review and regular clothing in the same year.

☘ CLOVERBUDS

Cloverbud Group Project

Cloverbud Item Made at Meeting

Cloverbud Item Made at Home

- A group project completed by your Cloverbud club (e.g., Cloverbud Club Banner, Cloverbud Poster, etc.).
- Any one item made by the Cloverbud member at a Cloverbud 4-H Club meeting.
- Any one item made at home. Some ideas include: 3 cut flowers in a vase, a potted plant, vegetable creature or creation, a nutritious food snack, a simple item you made for your home like a pillow, placemat, etc., rock creature, paper bag puppet, 4 interesting objects of nature, tree leaf collection, display of insects, simple craft item, or anything else you can think of.

Livestock or animal projects are listed by species on pages 6-13. See page 5 for specific rules around the handling/leading of Cloverbud Animals.

Requirement:

☘ CLUB BANNER

Club Activity – Banner

Two banners will be selected for State Fair exhibit

Requirement:

1. Banner must be 3' x 5' and designed to hang vertically.
2. It must be completed and equipped with a dowel (minimum size 3' 8") and ready to hang.
3. Banner must be of fabric (no paper) and can be one or two-sided.
4. Club name on 3 x 5 card pinned to back. (Any assembly technique can be used.)

☘ COMMUNITY PRIDE

Club Activity - Community Pride

One exhibit will be selected for State Fair. Two club members may attend state fair with exhibit.

Requirements:

-The exhibit may include a three-sided display, video, or other visual method which visually highlights the entire project or certain parts in a manner which tells the public what positive effects the project had on the community.

-Two club youth who participated in the project may represent the club in conference judging.

Note again in 2018, Community Pride participants at State Fair may exhibit another individual project.

☘ COMPUTER

Cloverbud members have completed kindergarten, first or second grade.

No State Fair trips in this division.

Computer - Grades 9+

Computer - Grades 6-8

Computer - Grades 3-5

Requirements:

- Computers may be used in judging, but emphasis is on documentation, screen print, and summary. 4-H'ers are responsible for providing and securing any hardware used for judging; hardware may not be left on display.
- Reports and written summaries should be bound in a booklet or placed in a folder.

Exhibit Suggestions:

- A display showing the parts of a computer and how they work, consumer choices involved when buying a computer, how computer software can be put to use. Include statement of purpose, written plan for use, and examples of use.
- Program/software developed by the 4-H member including a statement of objectives, and discussion of program. Program/software may be original or adapted, by the member, from an existing program.

☘ CONSUMER EDUCATION

Consumer Education - Grades 9+

Consumer Education - Grades 6-8

Consumer Education - Grades 3-5

Requirements:

- Exhibitor should be able to explain his/her choices and the reasons for those choices.

Exhibit Suggestions:

- Label comparison showing different types of labels and/or models of same included.
- Consumer comparison comparing several models of the same item, showing feature, costs, etc., with best item selected and reasons why.

✿ CRAFTS & FINE ARTS

Members enrolled in Creative Arts can exhibit in both Fine Arts and Crafts.

Note: All exhibitors are awarded at the state fair Blue, Red & White Ribbons, counties can elect to participation ribbons. Then evaluation panels may determine special purple recognition awards.

✿ CRAFTS

- Crafts - Grades 9+
- Crafts - Grades 6-8
- Crafts - Grades 3-5

Requirement:

- Each exhibit will be evaluated on its individual merit as a craft/kit.
- Emphasis is on the creative process and the employment of design elements and principles. The craft/kit exhibit develops from someone else's ideas and can be exactly replicated or replicated with modifications.
- **All art objects must be appropriately finished. Exhibits will be disqualified if not ready for hanging, displaying, etc. (i.e. wire or hooks on paintings, bases for 3 dimensional work, etc.)**

Exhibit Suggestions:

- For a beginner, choose a project that teaches new techniques. For advanced, choose a project requiring masterful craftsmanship.
- Basket making, tie-dye, beading, ceramics, leather tooling, calligraphy, etc.

✿ FINE ARTS

- Fine Arts - Grades 9+
- Fine Arts - Grades 6-8
- Fine Arts - Grades 3-5

Requirement:

- Each exhibit will be evaluated on its individual merit as an original fine art.
- Emphasis is on the creative process and the employment of design elements and principles. The fine art exhibit should show proof that it is developed from the 4-Hers own ideas and imagination.
- **All art objects must be appropriately finished. Exhibits will be disqualified if not ready for hanging, displaying, etc. (i.e. wire or hooks on paintings, bases for 3 dimensional work, etc.)**

Exhibit Suggestions:

- For a beginner, choose a project that teaches new techniques. For advanced, choose a project requiring mastery.
- Original work (no kits) in drawing painting, sculpture, print process, textiles, pottery, etc.

✿ CROP SCIENCES

✿ CORN

- Corn - Grades 9+
- Corn - Grades 6-8
- Corn - Grades 3-5

Requirements:

- Crop must be grown on your farm in the previous growing season.
- Include 3 x 5 index card listing the variety.

Exhibit Suggestions:

- A two quart exhibit of shelled corn (no ear corn), must be placed in a clear two quart jar or 2 clear one quart jars.
- An educational display illustrating plant reproduction, soils, plant growth factors, plant characteristics, growing and using plants, plant growth and food production, examples of a plant disease, and the life cycle of that disease explaining causes and control.

✿ SMALL GRAINS & LEGUMES

- Small Grains & Legumes - Grades 9+
- Small Grains & Legumes - Grades 6-8
- Small Grains & Legumes - Grades 3-5

Requirements:

- Crops must be grown on your farm during the previous or current growing season
- Include 3 x 5 index card listing the variety.

Exhibit Suggestions:

- A two quart exhibit of any soybean or small grain variety, must be placed in a clear two quart jar or 2 clear one quart jars.
- An educational display illustrating one of the following ideas: plant reproduction, soils, plant growth factors, plant characteristics, growing and using plants, plant growth and food production, examples of a plant disease, and the life cycle of that disease explaining causes and control.

✿ DEMONSTRATIONS

✿ DEMONSTRATIONS

- Demonstration - Grade 9+ Individual
- Demonstration - Grade 9+ Team
- Demonstration - Grade 6-8 Individual
- Demonstration - Grade 6-8 Team
- Demonstration - Grade 3-5 Individual

Demonstration - Grade 3-5 Team
Demonstration - Cloverbud Individual
Demonstration - Cloverbud Team

☘LIVESTOCK DEMONSTRATIONS

Livestock Demonstration - 9+ Individual
Livestock Demonstration - 9+ Team
Livestock Demonstration - Grade 6-8 Individual
Livestock Demonstration - Grade 6-8 Team
Livestock Demonstration - Grade 3-5 Individual
Livestock Demonstration - Grade 3-5 Team

☘ILLUSTRATED PRESENTATIONS

Illustrated Presentation - Grade 9+ Individual
Illustrated Presentation - Grade 9+ Team
Illustrated Presentation - Grade 6-8 Individual
Illustrated Presentation - Grade 6-8 Team
Illustrated Presentation - Grade 3-5 Individual
Illustrated Presentation - Grade 3-5 Team

☘YOUTH IN ACTION DEMONSTRATIONS

Youth in Action Demonstration - Grades 9+ Individual
Youth in Action Demonstration - Grades 9+ Team
Youth in Action Demonstration - Grades 6-8 Individual
Youth in Action Demonstration - Grades 6-8 Team
Youth in Action Demonstration - Grades 3-5 Individual
Youth in Action Demonstration - Grades 3-5 Team

NOTE: 4-H'ers who complete a Public Presentation at the State Fair will receive a \$30 cash award. These payments are made in October. 4-H'ers must be grade eligible to participate at the State Fair.

Requirements:

- **Demonstration / Illustrated Presentations** may be related to any project that the member is enrolled in, or to any area of interest or expertise the 4-Her has. Presentations may be an individual or a two-person team. Individual presentations shall not exceed **15 minutes** in length, and team presentations shall not exceed **25 minutes** in length.

- **Demonstrations** are an oral presentation that includes actually demonstrating the hands-on steps required to accomplish a task or process. This most often includes the use of physical objects and actual doing or showing. For example, a demonstration could involve using bedding plants, potting soil and related items to demonstrate how to plant a flower pot. At the end of the Demonstration there should be something of a "finished product". Demonstrations may also include the use of supporting visuals like posters, charts or overhead transparencies. Supporting visuals can include technology based options like presentation software (i.e. MS PowerPoint). However, the focus of the Demonstration should be on the "doing", not the supporting visuals.

- **Illustrated Presentations** are an oral presentation that presents an idea, concept, viewpoint or experience in an educational or informative format. For example, an Illustrated Presentation could be a report on leadership lessons learned through a trip to Washington

DC or an educational presentation that explores sustainable energy options. Illustrated Presentations most often consist of interaction with supporting visuals like posters, charts or overhead transparencies. Supporting visuals can include technology based options like presentation software (i.e. MS PowerPoint). Supporting visuals may include tangible items, but generally little or no activity takes place with the item.

- **Youth in Action** presentations are interactive, continuous presentations that are approximately 45 - 50 minutes in length. Topics selected for a Youth in Action demonstration may be related to a project in which the member is enrolled or to any other area of interest or expertise the member has. Involving the audience in the process is the primary focus of Youth in Action and constitutes a major portion of the evaluation results.

- Presentation Software (i.e. MS PowerPoint) may be used for both Demonstrations and Illustrated Talks. **If Presentation Software is used in a Demonstration, the presentation software should supplement the Demonstration (hands on demonstrating should still be the basis of the entry). If used for an Illustrated Talk, the presentation software can be the basis for the entire talk; however the member must interact with the presentation and information - not just step to the side and let the presentation play.** (Self-presenting entries created with presentation software should be burned on to a DVD and entered in the "Video" class.)

Special Note: If presentation software is utilized in either a Demonstration or an Illustrated Talk, the 4-Her is responsible for securing any equipment necessary for judging. Extension staff may be able to assist in this process, but it is the responsibility of the exhibitor to contact Extension staff WELL BEFORE the scheduled judging.

☘ DOG

Dog - Grades 9+
Dog - Grades 6-8
Dog - Grades 3-5

(Note: Dog Show Entries can be found on the Animal Science pages)

Exhibit Suggestions:

- Educational exhibits may include models, diagrams or pictures.
- Examples: dog diseases, breeding, training, etc.

☘ ELECTRIC

Electric - Grades 9+
Electric - Grades 6-8
Electric - Grades 3-5

Requirements:

- A wiring diagram or schematic must accompany all electric and electronic exhibits.

Exhibit Suggestions:

- Working electrical item constructed for home, yard, or farm.
- Diagram of wiring in your home/farm showing switch locations, fuse boxes, wire size, capacities, fuse sizes, total bulk wattage, appliance wattage, number of circuits, and type of wiring installation.

- Electronic item built from kit, plan, or own design with an explanation of what it is and how it is used.
- Display ideas: Careers in electrical field, electrical experiment (may or may not have worked), educational display used in teaching others, etc.

ENGINEERING DESIGN

🌿 AQUATIC ROBOTICS

- Aquatic Robotics - Grades 9+
- Aquatic Robotics - Grades 6-8
- Aquatic Robotics - Grades 3-5

Requirements:

- Design and build their own remote-operated vehicle (ROV)
- Use and adapt it to monitor water quality/AIS education
- Work in teams of a least 3 youth, or individuals may exhibit
- Illustrate the community partnership (example: DNR, Water Resource or Lake Association)

Exhibit Suggestions:

- Display, binder, poster illustrating the process of doing the activity/project
- Exhibit of ROV
- Display showing their use in AIS education
- Booklet showing their progression in AIS education as a team

🌿 ENGINEERING DESIGN

- Engineering Design - Grades 9+
- Engineering Design - Grades 6-8
- Engineering Design - Grades 3-5

Requirement:

- Include description of the problem/challenge being solved
- Include description of the **engineering design** process/steps undergone to solve problem

Exhibit Suggestions:

- Display, binder, poster illustrating the process of doing the activity/project
- Exhibit of engineering design product
- display, binder, poster, webpage exploring a related career.

🌿ENGINEERING DESIGN CHALLENGE LEVEL 1 & 2 (formerly Rube Goldberg)

- Engineering Design Challenge Team Member:**
- Level 1 - grades 3 -8.**
- Level 2 grades 9 - 12.**

Youth in grades 6 and above can participate in Level 2 if they have and at least 2 years previous experience in Level 1. Each member (regardless of age) needs to register in one of these classes.

An Engineering Design Challenge machine is based on Rube Goldberg, an overly complex contraption designed to accomplish a simple task. The best created machines use a variety of everyday items in a whimsical way to create a series of chain-reaction steps to accomplish a simple task. In the

contest, youth not only employ physics and engineering, but humor and storytelling, to create their machine.

This activity is a team event of at least 3 and no more than 10 members.

Requirements:

1. Please refer to the Engineering Design Challenge Level 1 and 2 Rule Books at www.4-H.umn.edu/events/engineering-design-challenge/ for complete details.
2. Teams of at least 3 youth
3. Minimum of 10 steps
4. Machine must operate in 2 minutes or less
5. Exhibit physical size limited to 6 ft x 6 ft x 6 ft
6. Explain one thing/step on the machine that they use science content and skills to help solve a problem/challenge
7. Need to keep a written record illustrating the process of doing the project.

Exhibit Suggestions:

- Engineering Design Challenge machine itself
- Display, binder, poster illustrating the process of the doing the activity/project

Note: In 2018, the State Engineering Design Challenge for Level 1 and 2 (formerly Rube Goldberg) will be held at a site other than the State Fair. However, challenge teams are invited to showcase their machine and project at the State Fair. Participants can also have other general projects judged.

🌿 ROBOTICS

- Robotics - Grades 9+
- Robotics - Grades 6-8
- Robotics - Grades 3-5

Note: The goal of the 4-H robotics program is for the 4-H members to explore science, technology and engineering through designing and building a functioning robot. The robot can be either programmable or remote controlled. The robot can be created by an individual or a group.

Requirements:

- Exhibits must be labeled with name, and county on all pieces of exhibit.
- Include a description of the robots ability to sense, follow a plan and complete an act.
- Exhibits may have a one page report explaining the function, purpose and construction of the robot.

Exhibit Suggestions:

- A robots, a display, diagrams of programming, booklets, etc.

🌿 ENTOMOLOGY

- Entomology - Grades 9+
- Entomology - Grades 6-8
- Entomology - Grades 3-5

Requirements:

Insect Collection exhibits:

- A. Collections shall be contained in a glass topped case approximately 19" x 16.5" x 3" to 24"x18"x3". Arrange so that

the case may be displayed in a horizontal position. Place project label on lower right corner of glass top. Only 1 (one) case per exhibitor is allowed.

- B. Specimens must be collected. Purchased insects are not acceptable.
- C. Exhibitors must be the collector of the specimens in the project.
- D. Specimens must be properly pinned with insect pins. Small insects may need to be placed on cardboard points.
- E. Specimens must be properly labeled.
 - 1) The location, date, and collector must be included on the labels. County and state (and country, when applicable) are minimum location information that should be included. It is valuable to include nearest town or township where the specimen was collected, the type of habitat it was collected from (e.g. on elm tree; on lake shore; indoors.), and the common name of the insect.
 - 2) All labels should be visible so they can be read. Use permanent ink marker or pencil to write labels. Labels produced by a computer printer are acceptable. Ballpoint ink or non-permanent markers are not acceptable.
- F. For more specific information on pinning, labeling, and other information, see *Collecting and Preserving Insects, A MN 4-H Entomology Resource*, www.4-H.umn.edu/projects/entomology

Non-Collection Project exhibits:

- A. Emphasis of project must relate to an aspect of entomology.
- B. Project must demonstrate specific knowledge of insects. Be prepared to discuss references and sources (e.g. books, magazines, websites, interviews with an expert etc.)
- C. Live projects (e.g. bee or ant colony) will be accepted if the project can be self-sustaining for up to 14 days without special care.
- D. A written report or journal should accompany the project, introducing the subject, describing the process (materials and method), predicting an outcome, stating the results, and discussing any conclusions. Pictures, drawings, charts, tables, or other figures may be used.

Exhibit Suggestions:

1. General Insect Collection: must consist of a minimum of 50 species of adult insects representing at least 8 orders.
2. Specialty insect collection can include but is not limited to a collection of a single order (e.g. Coleopteran or Lepidoptera), a collection of immature insects, a collection of insects from a particular habitat (e.g. aquatic, forest, or prairie) or a collection of economic pests of a specific crop (e.g. insects attacking corn).
3. Non-Collection Project can include but is not limited to life history displays (e.g. insect life cycle), scientific investigation (e.g. insect habitats or effects of environment factors on insects), or insects in current events.

✿ EXPLORING ANIMALS

Exploring Animals - Grades 9+
Exploring Animals - Grades 6-8
Exploring Animals - Grades 3-5

Requirements:

- This area is for 4-H'ers who wish to learn more about a given species. **Animal ownership is not required.**
- 4-H'ers enrolled in Exploring Animals, Beef, Dairy, Dairy or Meat Goat, Llama, Poultry, Rabbit, Sheep or Swine may exhibit in this category.

Exhibit Suggestions:

- An educational exhibit to show or explain something 4-H'er made, did or learned or may explore consumer issues, breeds or careers.

✿ EXPLORING THE ENVIRONMENT

Exploring the Environment - Grades 9+
Exploring the Environment - Grades 6-8
Exploring the Environment - Grades 3-5

Exhibit Suggestions:

- Display on environmental pollution describing the causes, effects on people and other living things, and methods to correct the situation.
- Display showing features of soils such as color, structure, texture.
- A display or journal of Minnesota plants, insects, animals, birds or fish. Include pictures or drawings and information on habits, foods, and shelter needs.
- Display showing erosion control practices such as minimum tillage, terraces, contour strips, grassed waterways, field windbreaks, water control structures, etc.

✿ FISHING SPORTS

Fishing Sports - Grades 9+
Fishing Sports - Grades 6-8
Fishing Sports - Grades 3-5

Exhibit Suggestions:

- Fish identification. Describe the habitat and food needs of selected Minnesota fish; develop a panel display explaining the life history of a fish; create a model or exhibit identifying the parts of a fish.
- Fishing Knots. Identify how and where each knot is used; fishing equipment that is made or repaired such as lures, fishing rods and reels, ice fishing rig, or other fishing equipment.
- Safety practices and techniques that are related to fishing or boating.
- Examples of how water quality affects the fish ecosystem.

✿ FLOWER GARDENING

Flower Gardening - Grades 9+
Flower Gardening - Grades 6-8
Flower Gardening - Grades 3-5

Requirements:

- Label each container according to kind or variety.
- **Outdoor living flowers and plants are to be exhibited in this area (including Outdoor Fairy Gardens)**
- Live plant material will be accepted if it can be maintained in a fresh condition with ease.

Exhibit Suggestions:

- When exhibiting cut flowers, we suggest:
 1. three stems of one variety of annual flower, or
 2. one stem of a hardy perennial, or
 3. one stem of summer flowering bulbs, or
 4. one blossom of a tea rose, or
 5. one stem of a hardy shrub rose.
- Flower bouquet or arrangement on any theme.
- Display of dried flowers with a card explaining the drying method.

- My Flower Garden - Exhibit on poster board, not to exceed 22 x 28". Include a plan of the garden drawn to scale (see Flower Gardening Bulletin, page 3), the correct variety name and pictures (or photographs) of the flowers grown. Be prepared to discuss the process from soil preparation to blooming.
- Educational Exhibit showing the principles of propagation or reproduction, nutrition, culture and physiology (how a plant lives and grows).

- All recipes, procedures, and times followed must be according to current USDA and/or National Center for Home Food Preservation Recommendations.
- All food preservation exhibits must be labeled with a 2" x 3" label. Labels to include: name, county, grade, product, style of pack, processing method (boiling water bath or pressure canner), date, processing time. Pressure canned items indicate dial or weighted gauge and how many pounds of pressure used.
- Jars must be heat-tempered glass canning jars.
- All jars must be sealed. Leave screw bands on two-piece jar lids. Jellies and jams should be covered with lids.
- Use pint jars for fruit, vegetables, and fish; one-half pint jars for jams and jellies; two 1-pint jars or one-quart jar for pickled products.
- Jellies and jams must be processed in boiling water bath according to USDA and/or University of Minnesota food preservation publications, available through the Extension Office. Note: Paraffin is not acceptable.
- No artificial food coloring should be added to entries.
- Dried foods may be stored in glass jars, self-sealing plastic bags or airtight plastic bags. The quantity of dried foods should be: fruits and vegetables - 1/2 cup or more of each, herbs - 1/4 cup of each in whole leaf form, **3 strips of meat** (i.e. venison or beef jerky).
- Preserved within the past year.

FOODS AND NUTRITION

FOODS AND NUTRITION

Food and Nutrition - Grades 9+

Food and Nutrition - Grades 6-8

Food and Nutrition - Grades 3-5

Requirements:

- Exhibit may be food items and/or displays.
- Exhibitors should be prepared to discuss with the judge, references and information sources, nutritional values, methods, menu, costs, etc., as appropriate to that exhibit.
- The exhibit may be a poster, mobile, three-dimensional display, scrapbook, charts, journals, pictures, slides, equipment, supplies, photographs, skit, judging comparison, taped interview, file of ideas, research study, etc.
- Pictures, food models, plaster, plastic, paper maché, etc., are preferable to perishable foods in an educational exhibit. Perishable foods should be used only if they add to or help explain the educational exhibit. If perishable food is a part of the exhibit, the food is to be brought just for judging.
- Exhibits containing perishable foods, which will be discarded, must include a colored photograph of the food. The photograph should be taken prior to the County Fair and attached to the display. This 4x6 photograph and a 3x5 note card listing nutrition information and a 3x5 note card for the recipe will be displayed at the exhibit instead of the food.

Exhibit Suggestions:

- One serving of a nutritious food (vegetable or fruit dish, snack, bread, dairy, etc.). Include 8½ x 11 poster showing nutritional value, recipe, and a photo of the food.
- Study of nutrients needed for yourself or someone else, using the dietary guidelines and MyPlate.
- Make a food or fitness plan for yourself or someone else and show how it relates to nutritional and energy needs. (Example: an athlete on a volleyball team, a teen who doesn't have a lot of time).
- Adapt a recipe(s) to show healthier ingredient choices.
- Study of how physical fitness and/or food choices are related to disease (ex.: cancer, heart disease, osteoporosis, diabetes, etc.).
- Study of labels from similar food items, comparing important nutrient content like fat, fiber, and sugar.
- Exhibit showing food and/or kitchen safety.
- Nutrition/food science experiment.

Exhibit suggestions:

Suggested exhibits include one (1) jar or one (1) bag of product:

- Vegetables or fruits
- Jams, jellies, preserves, low-sugar spreads (no frozen)
- Pickled products (fermented or added acid, including pickles, sauerkraut, relishes, salsa).
- Meats, poultry and/or fish. (Fish must be in pint jars.)
- Dried vegetables or dried fruits.
- Dried herbs.
- Beef or venison jerky.
- Food science experiment or educational display.

FOOD REVIEW

Food Review - Grades 9+

Food Review - Grades 6-8

Food Review - Grades 3-5

To receive county fair premium 4-H'er must bring an 8.5" x 11" poster, with the recipe, menu and photo to be used for display at the Fair instead of the three posters listed below.

Exhibit suggestions and process:

- Bring photo, menu, and recipe to fair for display only
- Plan and make a meal at home.
- Take a picture of one place setting with the food on the plate and beverage in the glass and whatever that requires.
- Food review display should not be more than 30" Square. Food review will be judged on food knowledge, management knowledge, nutrition knowledge, menu food, and table setting. The judge may or may not taste the food.
- Exhibitors should bring:
 - One item of food from the menu
 - A place setting which includes dishes, silverware, linens, and centerpiece for the course in which the food is served.
 - 8.5" x 11" poster, preferably freestanding, with the recipe of the food you are serving.
 - 8.5" x 11" poster, preferably freestanding, with the meal menu on it.

FOOD PRESERVATION

Food Preservation - Grades 9+

Food Preservation - Grades 6-8

Food Preservation - Grades 3-5

Requirements:

- Exhibitor must be enrolled in Food & Nutrition project.

- 8.5" x 11" poster, preferably freestanding, with a color photo of the place setting which you took at home of your meal.

🌿 FOREST RESOURCES

- Forest Resources - Grades 9+
- Forest Resources - Grades 6-8
- Forest Resources - Grades 3-5

Requirement:

- Exhibits should be mounted on cardboard or other sturdy material.

Exhibit Suggestions:

- Collection of leaves or needles with twigs, identified with their common name. Common name should be printed near the identified leaf/needle.
- Photographic display of forest products--include the name of the product/use to identify the photograph.
- Display showing tree growth; annual ring cross-sections; make a seed collection.
- Prepare a report with drawings about your favorite tree--include name of tree, drawings or pictures of tree, facts and uses of the tree, and other appropriate information.
- Display showing layers of the forest; renewable versus non-renewable resources; forestry careers; leaf and twig identification; taxonomic keys; tree road maps.
- Display showing forest succession; tree and forest measurements; fire's effect on the forest; how trees grow; forest types; harvesting methods; entomology of the forest; pathology of the forest.
- Display showing forest products, including maple syrup production; wood products; Christmas trees or other forest resources (recreation, wildlife, etc.).
- Display showing specialized woodland management, including shelterbelts/windbreaks and urban forestry.

🌿 FRUIT

- Fruit - Grades 9+
- Fruit - Grades 6-8
- Fruit - Grades 3-5

Requirements:

- Include a 3 x 5 index card listing the varieties of fruit, name and club of exhibitor.
- Exhibitor should bring 6 items of one variety of fruit.

Exhibit Suggestions:

- Display showing a comparison of several varieties of the same fruit (labeled); display using a branch to illustrate proper pruning of fruit trees and explaining the process; illustrate the many uses of fruits (fresh, jams, juices, cooking, baking, salads and recipes); illustrate the use of fruits as natural dyes.
- Educational display illustrating diseases (actual specimens) or insects (actual specimens) and methods of control.

🌿 GEOLOGY

- Geology - Grades 9+
- Geology - Grades 6-8
- Geology - Grades 3-5

Requirement:

- Attach specimens securely to a backboard and display in a glass-topped case of the same model as used by the entomologists (approximately 19" x 16.5" x 3"). Specimens should be approximately 2" x 2". Label each specimen using the label described on page seven of the Geology Manual. Size of label may be reduced to fit display case, if needed. Attach specimens so they will not fall if case is set on its edge. Member must have knowledge of how specimens are identified as to rock or fossil type.

Exhibit Suggestions:

- Display of birthstones, a rock plate, or an egg carton collection of six silly silicates.
- Rocks, minerals, or fossils from within Minnesota or on a definite theme such as metamorphism, weathering, quartz minerals, ores, or a theme of your own choosing.
- Polished rock types used to make decorative items such as paperweights and jewelry; include an unpolished specimen of each rock type.
- Educational exhibit showing the "science how's and why's" dealing with the principles of geology and natural earth sciences.

🌿 GLOBAL CONNECTIONS

- Global Connections - Grades 9+
- Global Connections - Grades 6-8
- Global Connections - Grades 3-5

Exhibit Suggestions:

- Poster or report explaining what you learned as a result of a cross-cultural home stay experience.
- Report or display on mission trip, school trip, pen pal, etc.

🌿 HEALTH

- Health - Grades 9+
- Health - Grades 6-8
- Health - Grades 3-5

Exhibit Suggestions:

- Report on a health issue (i.e. alcohol and chemical abuse, eating disorders, sexuality, sexually transmitted disease, pregnancy, stress, depression, etc.) of your choice.
- Report on a community project that you conducted on a health issue. Include objectives, audience, timetable, program description, materials, community support and evaluation.

🌿 HOME ENVIRONMENT

- Home Environment - Grades 9+
- Home Environment - Grades 6-8
- Home Environment - Grades 3-5

Requirements:

- Members exhibiting in this project should be prepared to discuss and/or have written information to show how their exhibit applies to the home, how and where it is used or displayed, and all details of how it was made or selected. They should know about the subject matter of the specific exhibit, the materials used, how and why it was done, costs involved, and alternatives considered.

- A photograph and report showing its place in the home environment must accompany exhibits that are items for the home.
- Pictures and wall hangings that are exhibited should be finished and ready to hang.
- Purchased kits ARE ALLOWED to be used.

Exhibit Suggestions:

- Finished or refinished wood item, or reupholstered furniture.
- Repaired, restored, or remodeled item for the home.
- Chart and/or plan for the care and maintenance of the inside or outside of the home including daily, weekly, monthly, and yearly jobs.
- An article remade or reclaimed for the home with a link to the past, including history of use.
- Description, diagrams/photos, samples and cost of a redecorating or remodeling plan showing before and after.

✿ INDOOR GARDENING

- Indoor Gardening - Grades 9+
- Indoor Gardening - Grades 6-8
- Indoor Gardening - Grades 3-5

Indoor living flowers and plants are to be exhibited in this area (including Indoor Fairy Gardens)

Requirements:

POTTED PLANTS:

- Flowering plants should be in bloom.
- Foliage plants should be in vigorous condition.
- Plants should be grown in the exhibited container for at least one month prior to fair.

PLANTS IN HANGING CONTAINERS:

- Container for the plant should not be more than 10" in depth or diameter.
- Maximum total length of hanger and plant should not exceed 4'
- Evaluation will include appropriateness of plant for a hanging container, condition, arrangement, hanger to container to plant relationship, and plants being well established.

TERRARIUMS:

- The terrarium may not exceed 24" in any dimension.
- Terrarium should be planted four to six weeks ahead of exhibiting.
- Members must be able to identify all plant materials in their terrariums, know why they were selected for use (quality, container and design).

Exhibit Suggestions:

- Two or more varieties of houseplants with common and botanical name.
- Terrarium or dish garden; consider terrarium material of general terrarium plant of native and woodland plants of Minnesota.
- Educational exhibit showing plant propagation, plant history, forcing bulbs, life cycle of a flowering plant, etc.

✿ LAWN AND LANDSCAPE DESIGN

- Lawn & Landscape Design - Grades 9+
- Lawn & Landscape Design - Grades 6-8
- Lawn & Landscape Design - Grades 3-5

Requirements:

- Posters showing physiology of a tree are not eligible for State Fair
- Evaluation will be based on design, neatness, plants used, and story told.

Exhibit Suggestions:

- Landscape Plan (not to exceed 22" x 28") drawn to scale with plants and major areas of yard labeled; should show changes and future plans. Photographs showing "before and after" views are desirable.
- Display of landscape material
- Display of lawn grass seeds
- Display of 6 common lawn weeds, insects & diseases and control method of each.

✿ NEEDLE ARTS

- Needle Arts - Grades 9+
- Needle Arts - Grades 6-8
- Needle Arts - Grades 3-5

Requirements:

- Each exhibit must include a consumer information tag, if appropriate, with the following information: pattern company name and number, techniques, fiber content, cost, and care instructions.
- **Participant encouraged to bring instructions/pattern.**
- If item is framed, a wall hanging, or to be displayed on a wall, it should be finished and ready to hang.

Exhibit suggestions:

- Any item made by the member using the techniques of knitting, crocheting, embroidery and crewel, counted cross stitch, needlepoint, hardanger, hand-quilting, weaving, appliqué, latch-hook, tatting, other.
- Consumer Product Analysis: Comparison and evaluation of materials, supplies, or accessories used for a needle arts technique.
- Historical/Cultural Study: Story, poster, or display about a needle arts heirloom from your family or local history museum. Exhibit must include information about how item should be preserved.

✿ PERFORMING ARTS

- Performing Arts - Grades 9+
- Performing Arts - Grades 6-8
- Performing Arts - Grades 3-5

Exhibit Requirements:

- Exhibit can be either a performance or an exhibit that shows a member's involvement or interest in the performing arts.
- To be eligible for State Fair, the member must be able to discuss the process of selecting, planning, performing and reflection on their project work.
- If the exhibit is an actual performance, the performance cannot last longer than 10 minutes.

Exhibit Suggestions:

- Poster or display about your involvement or interest in the performing arts.
- A puppet and script made and created by member.
- Create and perform a short story, show, music selection, etc., and include a write-up about it.

- A journal or scrapbook (with written statements) of current performing arts experiences.
- An educational display of some aspect of music, drama, or performing.

🌿 PETS

- Pets - Grades 9+
- Pets - Grades 6-8
- Pets - Grades 3-5
- Pets - Pet Show

Exhibit Suggestions:

- Educational display explaining pet care, health, nutritional needs, etc; exhibit must include a photograph of 4-Her with their pet.
- Pet related exhibit, i.e. photo album, history of species display, animal care display.

🌿 PHOTOGRAPHY

🌿ELEMENTS OF PHOTOGRAPHY

- Elements of Photography - Grades 9+
- Elements of Photography - Grades 6-8
- Elements of Photography - Grades 3-5

Description:

Exhibit will focus on what makes a good photograph. ONLY overall image corrections are allowed including: cropping, brightness/exposure, color saturation, contrast, sharpening, black and white, sepia or color conversion and exposure correction.

Equipment:

Any electronic device capable of capturing a photographic image to be printed (i.e. digital or film camera, **DSLR**, underwater camera, time lapse camera, cell phone, tablet) **or drone with attached camera (operator must meet age requirements to use a drone)**
A film camera can also be used.

Requirements:

- **All PHOTOS EXHIBITED MUST HAVE BEEN TAKEN BY THE EXHIBITOR DURING THE CURRENT 4-H YEAR**
- Exhibitor's name, club, county and exhibit class and lot should be printed on the back of the exhibit.
- **NO PICTURE FRAME OR GLASS ALLOWED (for safety).**
- Allowed exhibits use 4 x 6", 5 x 7" or 8 x 10" photographs, **mounted in a mat frame or foam board** – neutral colors are best (white, tan, grey or black)
- Do not use construction paper or colored paper
- Use 14 x 22" board for 5 or more photos. Cut a smaller board for 2 to 4 prints or a panorama
- When a photo has been **edited or digitally manipulated**, the original (unaltered) 4 x 6" photo must be included on the back of the exhibit
- Common theme or subject of 3 to 7 photos (4 X 6") (i.e. people, buildings, landscape, animals, seasons, action, nature, weather, shapes, close-ups, etc.).
- Panorama
- **Photo story (use 5 to 7 that are 4" x 6" photos). Some examples might include:**
 - **A town's history: could include photos of residences: e.g. families, elderly citizens, government officials,**

veterans, teachers, service officials (fire, police, medical), volunteers, founding families' history, etc.

- **4-H project, another member's 4-H project or your 4-H Club's Community Service projects**
- **Environmental issue(s) or a community need**
- **"A Day in the Life" of...** (farm or city youth, an elementary, middle school or high school youth, etc.)
- **Show a process (i.e. how to make something or steps to making something)**
Pollinators:
- **-SAVE THE BEES! Focus on the plight of pollinators and the tremendous decline in numbers. Include photographs of pollinators and related information and a short narrative about possible causes and possible solutions.**
- **SAVE THE BUTTERFLIES!**
-Show how to develop or expand a butterfly garden.
-Show plants that can be used for a butterfly garden
-Show how to develop a butterfly garden.

- Enlargement or multiple 4 X 6" photos to show photographic elements you learned about and includes explaining how you used your camera to take these images. Ideas include: Aperture priority, shutter speed, rule of thirds, leading lines, ISO, etc.)
- Enlargement or multiple 4 X 6" photos to show photographic style. Ideas include: Illustrate lighting technique, journalistic photography, documentary photography, commercial photography, portrait setup, collage, etc.

🌿PHOTO MANIPULATION

Photo Manipulation - Grades 9+

Photo Manipulation - Grades 6-8

Photo Manipulation - Grades 3-5

Description:

PHOTO EXHIBITS IN THIS CATEGORY REQUIRES CREATIVE SOFTWARE EDITING. This includes such techniques as coloring, text additions, using layers or layouts. Exhibits can show how photography can be used to make posters, calendars, brochures or advertising.

Equipment:

Any electronic device capable of capturing a photographic image to be printed (i.e. digital or film camera, DSLR, underwater camera, time lapse camera, cellphone, tablet, digital DSLR) or drone with attached camera (operator must meet age requirements to use a drone).

Requirements:

- **ALL PHOTOS EXHIBITED MUST HAVE BEEN TAKEN/PRODUCED ENHANCED BY THE EXHIBITOR DURING THE CURRENT 4-H YEAR.** (Exception – an exhibit integrating older photographs)
- Exhibitor's name, age and county should be printed on the back of the exhibit.
- **NO PICTURE FRAME OR GLASS ALLOWED (for safety).**

- Exhibits use 4" x 6", 5" x 7" or 8" x 10" photographs, mounted in a mat frame or foam board cut to fit.
- Use 14" x 22" poster board for 5 or more photos. Cut a smaller board for 2 to 4 prints or a panorama - Neutral colors are best (white, tan, grey or black)
- Do not use construction paper or colored paper
- Multi photos exhibited should be matted or displayed on poster board or foam board using 4" X 6" photos.
- When a photo has been edited or digitally manipulated the original photo MUST include an unaltered 4"X 6" on the back of the exhibit.
- Software suggestions include: Photoshop, Picasa, Gimp, Picmonkey, Pixi, Fotoflexer, Microsoft Publisher, Apple Pages, etc. (Non-affiliated website information can be found online)

Exhibit ideas:

- Digitally enhanced photograph(s)
- Calendar, brochure, event poster, photobook, (No scrapbooks)
- Illustrate software skills: Using multiple layer techniques, selective coloring, HDR, etc.
- Slideshow-compilation of photo images-use titles, voice over, background selections, to make a show, etc. For judging can bring project on 14" x 22" poster board, computer (DVD) or tablet

☘ PLANT AND SOIL SCIENCE

- Plant & Soil Science - Grades 9+
- Plant & Soil Science - Grades 6-8
- Plant & Soil Science - Grades 3-5

Exhibit Suggestions:

- An educational display illustrating one of the following ideas: plant reproduction, soils, plant growth factors, plant characteristics, growing and using plants, plant growth and food production, examples of a plant disease, and the life cycle of that disease explaining causes and control.

☘ POTATOES

- Potatoes - Grades 9+
- Potatoes - Grades 6-8
- Potatoes - Grades 3-5

Requirement:

- **Twelve potatoes** (this year's crop) **similar in size** with variety identified on a 3 x 5 card.

Exhibit Suggestions:

- Educational display illustrating diseases and control, methods of mulching and reasons, causes and effects of sun scald.

☘ QUILTING

- Quilting - Grades 9+
- Quilting - Grades 6-8
- Quilting - Grades 3-5

Requirement:

Each Item should include information listing: pattern book & name, fiber content of fabric & batting, and care instructions. If not quilted or hand tied by the 4-Her, state who hand/machine quilted the final project. (Note: depending on skill level of 4-Her, someone else may do the final quilting).

Item may be either machine quilted, hand quilted, or hand tied.

Exhibit Suggestions:

- A quilted item, any finishing technique acceptable.
- Repair of an old quilt.
- A display showing the history of quilting, fabrics and patterns used in quilting, or a topic of your choice.

☘ SAFETY

- Safety - Grades 9+
- Safety - Grades 6-8
- Safety - Grades 3-5

Exhibit Suggestions:

- Explore a safety issue of your choice. Ideas include traffic safety, home safety, farm safety, community safety, fire prevention, and first aid kit. Include an item for display representative of project activity.
- Prepare a First Aid Kit and be able to explain the reasons for the items you included.
- Exhibit may be display, binder, poster, etc.

☘ SELF-DETERMINED

- Self Determined - Grades 9+
- Self Determined - Grades 6-8
- Self Determined - Grades 3-5

Requirement:

- This Division is intended for an exhibit that doesn't fit in any other project area. This is not a "catch-all" category but rather intentional self-directed learning.
- A team may consist of not more than three (3) individuals from the same club or from up to 3 different clubs from the same county.
- **To be eligible for State Fair, the member(s) must be able to discuss the process of selection, planning and management of a self-determined learning experience.**

Exhibit Suggestions:

- Poster, display, or notebook showing the process of doing the activity/project
- Display of finished work

☘ SHOOTING SPORTS / WILDLIFE MANAGEMENT

- Shooting Sports/Wildlife Mgmt - Grades 9+
- Shooting Sports/Wildlife Mgmt - Grades 6-8
- Shooting Sports/Wildlife Mgmt - Grades 3-5

Requirements:

- Exhibit may not exceed 12" deep x 24" wide x 36" high, except that a gun, bow and arrow, or taxidermy item may be included in a display and will not be considered in the calculation of dimensions.
- MN and 4-H regulations for handling and storing firearms must be followed.
- No explosive materials are allowed. Arrows must be secured in such a manner so as to prevent their points or edges from being a hazard. Only sporting firearms and bows will be exhibited, displayed or demonstrated.

Exhibit Suggestions:

- Safety techniques applied to shooting activities (e.g., range commands and range safety, eye and ear protection, cleaning a firearm, dressing for safety-first aid, survival skills, etc.).
- Shooting Skills (e.g., basic safety rules, basic parts and functions of each piece of equipment, care and maintenance, accessories, position, etc.).
- Display illustrating key field identification features of a group of game animals (e.g., distinguishing various species of puddle ducks, differences among five look-alike species, of upland game birds, etc.).
- Leadership skills learned in your shooting sports club.
- History and nomenclature of trapping, hunting, and firearms.
- Sportsmanship: Ethical behavior and responsibility, effects of values to wildlife of modern game laws and regulations.

🌿 SHOP

- Shop - Grades 9+
- Shop - Grades 6-8
- Shop - Grades 3-5

Requirements:

- Exhibit must not take up more than 20 square feet of floor space.
- Attach a card to all exhibits describing construction materials, unusual joinery finishing techniques and total cost.

Exhibit Suggestions:

- Article made of wood or metal
- Wooden or metal article repaired, finished, or refinished.
- Display on properties, uses, or processing of wood.

🌿 SMALL ENGINES

- Small Engines - Grades 9+
- Small Engines - Grades 6-8
- Small Engines - Grades 3-5

Exhibit Suggestions:

- Small engine that has been reconditioned or repaired.
- A device constructed by a member utilizing a small engine.
- Display on the parts of an engine, etc.
- An educational display of some aspect of small engine use, care, reconditioning, etc.

🌿 TRACTOR

- Tractor - Grades 9+
- Tractor - Grades 6-8
- Tractor - Grades 3-5

Requirements:

- Check space requirements for large exhibits with staff. Large exhibits may be displayed outdoors
- Fuel must be removed from exhibits for display.

Exhibit suggestions:

- A poster, video, display, notebook, representing your project learning.
- Restored, reconditioned, rebuilt tractor.

Exhibit may represent learning about tractor safety, history, use, purchasing decisions, establishing a custom business with your field or lawn tractor, or material prepared to train others.

🌿 VEGETABLE GARDENING

- Vegetable Gardening - Grades 9+
- Vegetable Gardening - Grades 6-8
- Vegetable Gardening - Grades 3-5

- Label vegetables with proper variety names.
- When exhibiting a collection of vegetables, it is recommended the collection includes six different kinds of vegetables (1 large specimen + 3 medium specimen + 2 small specimen = 6 different vegetable specimens for this project choosing any combination of the following:
 - One large vegetable specimen (cabbage, squash, melon, pumpkin, cauliflower, etc.)
 - Three different medium sized vegetable specimens and 3 of each specimen (tomatoes, onions, peppers, cucumbers, kohlrabi, carrots, beets, turnips, etc.)
 - Two small vegetable specimen's and 12 of each specimen (green beans, peas, lima beans, etc.)
 - Potatoes or cherry tomatoes may not be included
- If selected for State Fair, vegetable exhibits taken to state fair must contain six different vegetables or be an educational display.

Exhibit Suggestions:

- Collection of three or more different vegetables, (use the guide above).
- Display showing three varieties of the same vegetable.
- Educational display showing some aspect of vegetable gardening (e.g., the difference in development between thinned vs. unthinned vegetables).
- A mini garden planted in a tub, pail, or large planter.

🌿 VETERINARY SCIENCE

- Veterinary Science - Grades 9+
- Veterinary Science - Grades 6-8
- Veterinary Science - Grades 3-5

Requirements:

- Exhibit may include models, diagrams, actual items and/or written articles.

Exhibit Suggestions:

- Diagram of your favorite animal with anatomy
- Display or binder on diseases of animals, ringworm, heartworm, displaced abomasums, hip dysplasia, scours, etc.

🌿 VIDEO / FILMMAKING

- Video/Filmmaking - Grades 9+
- Video/Filmmaking - Grades 6-8
- Video/Filmmaking - Grades 3-5

Video/Filmmaking – Production Team (2-3 members per team/can come from different schools and/or grades)

4-H Film Festival Individual

4-H Film Festival Production Team (2-3 members per team)

Equipment: **Any electronic device capable of capturing a video image; video camera, digital camera, DSLR, time lapse camera**

or trail camera, cell phone, tablet, Go Pro or drone with attached camera (operator must meet age requirements to use a drone).

Requirements:

- All video/film footage exhibited must have been recorded/created in the current 4-H year. When appropriate, historical footage can be used, otherwise film/video content must have been taken in the current 4-H year.
- All video/filmmaking exhibits must be made by the exhibitor OR if the exhibit is made by a video/filmmaking production team, the exhibitor must be a member and must have created at least 50 percent of the finished video/film.
- Video/film must be presented on DVD, USB, flash drive or data CD
- Video/film must include a title and credits.
- The video/film must be original material, portions from other sources must be documented and have a copyright release, including music. Any video/film exhibit which appears to contain copyrighted material, including music, will not be publicly displayed unless the exhibitor has written permission from the producer to use the material in the video/film.
- The exhibitor's name, grade, club, and exhibit class must be clearly printed on all exhibit pieces.
- A computer with DVD player or USB port will be provided for viewing the video/film during the conference judging. If other equipment is needed for viewing, additional arrangements need to be made in advance.
- Video/film must be playable on Windows, use file format including .WMV, .FLV and .MPEG, .AVI, .MOV, AVCHD, .MPEG-1, .MPEG-4, as well as a playable DVD.
- This is not a slideshow (see Creative/Applied Photography for slideshow)

Exhibit Ideas:

- A video/film short-limited to 5 minutes or less (to insure full viewing by judge during judging process)
 - Showcase various video/film techniques.
 - A selected subject. Include a short storyboard or outline.
- A poster that illustrates how a video/film camera works, or how to care for video/film equipment, illustration of computer video/film creation, etc.
- A video/film made by blending computer technology and traditional camera created video/film.
- A video/film using data from trail camera or time lapse camera (stop action video) or drone with attached camera (operator must meet age requirements to use a drone).
- A video/film using Claymation or stop action
- **Pollinators! Save the Bees! Save the Butterflies! Focus on the plight of insects and the tremendous decline in numbers. Include information of the suspected reasons for the decline and possible solutions.**

- 4-H Film Festival-this category is open to participants in this specially designed Video production program. Middle school aged youth are involved in an online experience to learn how to simulate the process a young filmmaker would go through as they produce a high-quality short film using their smartphone

☘ WATER / WETLANDS

- Water/Wetlands - Grades 9+
- Water/Wetlands - Grades 6-8
- Water/Wetlands - Grades 3-5

Exhibit Suggestions:

- Display showing the five unique physical properties of water; the hydrologic or water cycle; the quantities and uses made of water by families, municipalities, industries, animals, and plants;
- Display on water quality or management--pollution, conservation, water quality standards, etc.

☘ WILDLIFE BIOLOGY

- Wildlife/Biology - Grades 9+
- Wildlife/Biology - Grades 6-8
- Wildlife/Biology - Grades 3-5

Exhibit Suggestions:

- Display showing the life cycle of your favorite wild animal.
- Birdhouse, birdfeeder, or homemade bird book of local birds.
- An animal book of wild animals of Minnesota--describe habitat, food, and shelter needs.
- A wildlife management plan--show practices related to land use and forest management for wildlife.
- Basic concepts of Wildlife Management (waterfowl wingboards, birdhouse trails, game food habits, game animal habitat requirements, history of game management, etc).

☘ YOUTH LEADERSHIP

- Youth Leadership - Grades 9+
- Youth Leadership - Grades 6-8
- Youth Leadership - Grades 3-5

Purpose:

Youth Leadership is a project area that requires the member to discover their skills and then develop those skills and share them with others. This might happen individually or with a group.

Guidelines:

Taking charge, leading a service project and sharing the steps from beginning to end would be one example of a youth leadership project. Some ways to present your work would be (but are not limited to): three-sided display boards, scrapbooks and posters.