

# 2024 Morrill County Fair

July 20th - 27th

**Morrill County  
UNL Extension Staff**

Sarah Paisley  
Nebraska Extension 4-H Youth  
Development



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## **Morrill County 4-H Staff**

Sarah Paisley — 4-H Educator Garden/Morrill

## **Morrill County 4-H Council**

President.....Nathan Edmunds  
Vice-President.....Heather Spalding  
Secretary.....Tina Dueker  
Treasurer.....Crystal Batt

### **Members**

Roland Whitney  
Linda Safford

Krissy Whitney

### **Youth Members**

Demi Lapaseotes.....Bridgeport FFA  
Haley Edmunds.....Bayard FFA  
Leah Cerny.....4-H Member  
Kelton Whitney.....4-H Member

## **Morrill County Fairboard**

President.....Andy Benavides  
Vice-President.....Ryan Dalbey  
Secretary.....Cary Leithead  
Treasurer.....Paul Safford  
Groundskeeper.....Ryan Patterson

### **Members**

Alexis Corman  
Trent McVicker  
Tyler Franklin

Naomi Loomis

Jaslyn Livingston

## **Morrill County Superintendents**

Kristen Kesterson.....Clothing  
Toni Blomenkamp.....Foods  
Stephanie Farro.....Photography  
Rebecca Murray.....Home Environment  
Rose Nelson.....Ag Crops/Misc.  
TBD.....Poultry  
Stephanie Barker.....Rabbit  
Tina Dueker.....Dog  
Justin Corman.....Beef  
Phillip Kesterson.....Beef  
Jon Albro.....Sheep  
Jaz Henderson.....Goat  
Julie Lacy.....Goat  
Zach Nesbitt.....Swine  
Brooks Batt.....Swine  
Heather Daniels.....Horse

## **Morrill County FFA Advisors**

Justin Rafferty.....Bayard FFA  
Christy Schuler.....Bridgeport FFA

# Morrill County

## GENERAL RULES & REGULATIONS

### I. ELIGIBILITY

#### A: GENERAL ELIGIBILITY

1. To be considered a 4-H/FFA member, a youth must belong to a 4-H Club, Morrill County FFA Chapter, or be declared an independent 4-H member in writing on computer enrollment sheets in Morrill County by June 15th. Youth will be 8 as of Jan 1 of the current year to participate in 4-H. 4-H members must not have passed their 19th birthday by January 1 of that year. Morrill County FFA members that have paid dues shall be eligible for FFA Division entries. There will be no discrimination due to race, color, national origin, handicap, or gender.
2. The enrollment deadline for all county youth wishing to participate in the 4-H/FFA program, both in organized clubs and as independent members, is June 15.
3. 4-H Members will not be allowed to show the same project area in Morrill County that they are showing in any other county. i.e. market beef in Morrill County and market beef in another county.
4. Pre-entry deadline will be July 7th. This applies to 4-H and FFA members. **Any late entries will be assessed a \$10.00 late fee per person.** If any changes need to be made, the drop/add date will be on July 14th.
5. All 4-H and FFA exhibitors are requested to familiarize themselves with all the rules and regulations which apply to their exhibits. All FFA members will be required to follow all 4-H rules. Age limits for FFA exhibitors will be determined by FFA chapters.
6. The County, Extension Educators/Assistants, general superintendents or anyone connected with any committee dealing with the fair or any county activity, is not responsible in any way for any loss, damage or injury to any property, animal or person, resulting from any cause.
7. These rules and regulations set forth will supersede all previous rules and regulations. Exceptions will be rules that have been changed after the fairbook is posted. Changes will be documented in the 4-H Council minutes and the newsletter.
8. For situations that arise where a policy is not in the county rules, the state 4-H rules will be consulted and a decision will be made by the 4-H Council.
9. The respective superintendent has the authority to make appropriate decisions.
10. When needed, a committee shall be appointed to serve as a grievance review group. They will meet to act upon concerns.
  - a. All grievances must be submitted in writing and signed.
  - b. The written grievance must be submitted to 4-H Council president and/or Extension Educator/Assistant within 24 hrs. of incident and must include:
    - 1) Name of person(s) involved
    - 2) Nature of concerns
    - 3) Situation and documentation
    - 4) Recommendations for correction
    - 5) Specific action, rule, etc. in question
  - c. The committee will review the written grievance. They may discuss the situation with affected person(s). The committee's ruling of the grievance will be communicated both verbally and in writing to the group or individual(s) affected. **The decision of the committee is final.**
  - d. In cases of grievance, the exhibitor may be allowed to show, but results of showing will be subject to change based on the outcome of the protest process. This allows smooth operation of the show and facilitates appropriate processing.
  - e. The committee reserves the right to withhold premium and/or award. The exhibitor may be excluded from the show if actions warrant.
  - f. Grievances will not be accepted after the event or after the 24 hr. period.
  - g. Grievances related to judges' integrity, decisions, placing, or

other evaluations will not be accepted.

11. Violation of rules renders the exhibitor subject to loss of premium money, ribbons, other awards and/or elimination from the show.

## **B. STATE FAIR ELIGIBILITY**

1. To be eligible for state fair competition, an exhibitor must be a 4-H member enrolled in the project they are exhibiting in the county which he/she represents by **June 15th**.
2. There will be no discrimination because of race, color, gender or national origin.
3. In classes where the presence of the 4-H'er is required for judging purposes such as animal exhibits, judging, music and presentation contests and fashion revue; a 4-H member must have reached his/her 10th birthday by January 1 of the current year.
4. 4-H'ers become ineligible at the state fair once they reach 19 years of age on January 1 of the current year.

## **II. CLOVER KID 4-H**

1. Pre 4-H for 5-7 year-olds is experimentally based "Learning By Doing". Children may participate in a variety of programs. The program will be developmentally appropriate and involve the following components:
  - a. Non-Competitive
  - b. Focused on Self-esteem
  - c. Caring adult or teen volunteer
  - d. Provides individual recognition for participants
  - e. Encourages involvement of parent or significant adult

## **III. INCENTIVES/SCHOLARSHIPS/SPECIAL EVENTS**

1. For the PASE and Life Challenge contest, the Council will pay \$20 per 4-H'er, per year not to exceed \$500 per contest.

For the Communications Contests the following incentives will be provided. The top 2 speakers from Morrill County will have available \$100 for expenses if they participate at the live State Contest in Lincoln.

In the Communications Contest 3 presenters or teams will have available \$100 each for expenses if they go to the State Contest in Lincoln.

2. Partial scholarships for 4-H camps are available to any 4-H'er (providing moneys are available in the 4-H Council treasury). Up to 50% of the camp fee will be paid by the 4-H Council. There will be a maximum of \$200 allocated by the Council per camp. If a 4-H'er receives a scholarship to a camp he/she is expected to give a report of the activity at the County Achievement Night.
3. Three annual county 4-H scholarships are available to high school seniors who have been in 4-H a minimum of 3 years. The participants must have been in the Morrill County 4-H program the previous year.
  - a. The three scholarships will apply to any type of educational program that is taught in a formal setting including colleges, universities, junior colleges, technical school, trade schools and cosmetology. (More information can be obtained from the 4-H Council or the Extension Office.)

## **IV. JUDGING PROCEDURES**

1. All activities and events will be judged on the Danish system with all 4-H and FFA entries being judged together.
2. The decisions of the judges shall prevail in all classes except where mistake, fraud or misrepresentation is found following the initial placing

## **V. STATIC EXHIBIT RULES**

1. Members participating in the fashion show who are 12 years of age or older as of January 1 of the current year, will be considered in the senior division. Although a youth aged 10 by the first of the year will be eligible for the State Fashion Show.
2. It is recommended by the 4-H Council that good school clothes (dress or nice pant outfits) be worn at activities where the presence of the 4-H'er is required for judging purposes such as speech contests, judging contests and presentations contest.
3. **Each participant may enter up to 3 static exhibits per class.**
4. **Release of static exhibits will be on the schedule. Exhibits may not be dismissed early.**

## VI. LIVESTOCK AND HORSE RULES

1. All 4-Hers/FFA members showing beef, sheep, swine, dairy, dairy/meat goat, poultry, & rabbits must be YQCA certified by June 15 of the current year.
2. All 4-Hers showing horse must complete & pass Level 1 testing.

## VII. FFA

1. In order to add consistency with State FFA, Morrill County will not offer FFA Classes for Horse, Companion Animal, or Dog. Youth may participate as FFA members but will NOT be eligible for awards in these areas. Youth will still be eligible to receive ribbons and ribbon premiums.
2. FFA youth are eligible to participate in all static events. However, any exhibits entered into 4-H classes are not eligible for any of the 4-H awards offered. Also, any static exhibits entered under a class that is not specifically for FFA are not eligible for state.
3. FFA Showmanship - 8th grade FFA members are allowed to compete in the FFA divisions in both livestock and static hall. No separate class will be made for middle school members, and they must decide if they will compete in FFA or 4-H.
4. Each year, one FFA member will receive the overall FFA Exhibitor award. This student must enter projects in multiple different areas, including static. Points will be awarded on the system below. Points accumulate for each award that you receive.

### • Showmanship

- \* Round Robin Champion - 40 pts
- \* Round Robin Reserve - 35 pts
- \* Grand Champion Overall Showman - 30 pts
- \* Reserve Champion Overall Showman - 25 pts
- \* FFA Grand Champion Showman - 20 pts
- \* FFA Reserve Champion Showman - 15 pts
- \* Purple - 10 pts
- \* Blue - 9 pts
- \* Red - 8 pts
- \* White - 7 pts

### • Individual Classes

- \* Grand Champion Overall - 30 pts (ex: overall breeding beef, overall market beef)
- \* Reserve Champion Overall - 25 pts
- \* Grand Champion in Area - 20 pts (ex: clothing, photography, breeding heifer, market steer, market heifer, FFA rate of gain)
- \* Reserve Champion in Area - 15 pts
- \* Purple - 10 pts
- \* Blue - 9 pts
- \* Red - 8 pts
- \* White - 7 pts

## A. GENERAL RULES

1. Only 4-H or FFA members are allowed to show any animal(s) of any species.
2. 4-H age divisions are as follows as of Jan. 1 of the current year:
  - Junior - age 8 - 10
  - Intermediate - age 11 - 13
  - Senior - age 14 - 18
  - FFA - 8th grade - High School youth / 1 year out of high school
3. Market beef, market sheep, and market goats must be tagged, owned, and identified by June 15th in order to be eligible for county fair. To be eligible for the species' rate-of-gain contest, market beef, market sheep, market goats, and market swine must be weighed at the respective weigh-in date. If there is a conflict with that weigh-in date, arrangements can be made prior to weigh-in to have the animals tagged, but they will not be eligible for the rate-of-gain contest.
4. All market beef weighed in will be vaccinated according to industry standards at the Morrill County Beef weigh in by the Morrill County 4-H Council, Beef Superintendent(s), or

Veterinarian for multi-valent respiratory and clostridial disease protection. If participants wish to forgo the above vaccinations, animals will be eligible for premium only auction and must retain ownership.

5. Due to PEDV there will be a voluntary weigh in for market swine. If you choose not to weigh in swine must be tagged and identified by June 15. The tagged animal must be photographed and photos turned in with identification paper work.
6. Stocker-feeder, bucket calf, breeding beef, breeding sheep, breeding goats, dairy cows, rabbits, and poultry must be owned and identified by June 15 on standard identification forms.
7. All species Nebraska 4-H and FFA Ownership Affidavits MUST have all specifications filled out and turned in by June 15. These specifications include but are not limited to; Birth Date, Tag #, Weight, Sex, Etc., and must be signed by member and parent or guardian.
8. If a 4-H/FFA animal dies between weigh-in date and fair weigh-in, the member may replace the animal by contacting a Livestock Superintendent or FFA Advisor to verify the death of the animal. A Livestock Superintendent or FFA advisor will tag the new animal at their convenience. All other 4-H rules apply to the new animal. The new tagged animal is no longer eligible for rate-of-gain contest.
9. All 4-H/FFA market livestock must have the 4-H or FFA ear tag at weigh in or be cleared by the respective superintendent or the 4-H Council.
10. Minimum weights: market steers - 1000 lbs.; market heifers - 900 lbs.; market lambs - 90 lbs.; market goats - 50 lbs.; market swine - 224 lbs. **Animals below these weights may show in a market feeder class before the market animals and will not be eligible for the final drive. They are not eligible to be sold in the sale, but may be sold for buy-back price if approved by the buy-back buyer.**
11. **Weigh-in re-weighs** - If an exhibitor wishes to re-weigh an animal at weigh-in it must be done so immediately. The animal will be taken off the scale and held in the alley while the scale is zeroed in, and then the animal will be put back on the scale and re-weighed. The animal **cannot** leave the alley.
12. Market beef animals may have the two center permanent incisors. The remaining six temporary incisors must be in place with no evidence of eruption of their permanent placements.
13. Market lambs must be born after January of current year and must show eight (8) lamb teeth only.
14. The 4-H Council has the right to add or eliminate classes according to interest.
15. No boars or stallions are allowed to show.
16. Rams, bulls, and bucks must be brought to grounds immediately preceding their show and taken home following the conclusion of their show. Except bull calf entered as cow/calf pair.
17. Absolutely no blocking chutes will be allowed in the wash racks.

## **B. COUNTY FAIR HEALTH REQUIREMENTS**

1. No health certificate (Certificate of Veterinarian Inspection) required.
2. Health issues will be monitored by two Council members and the superintendents and dealt with at the time of weigh-in.
3. Any animal found with health problems will not be allowed to show.
4. Any animal originating from a herd under quarantine because of an infectious or contagious disease shall be ineligible for admission.
5. The superintendents will immediately release any animal found unacceptable.

## **C. SPECIES SPECIFIC REGULATIONS**

1. Swine showing evidence of the following disease conditions will not be allowed on the grounds.
  - a. Lice
  - b. Scabies
  - c. Atrophic Rhinitis
  - d. Jowl abscesses
  - e. Respiratory disease
  - f. Any other infectious or contagious disease



2. Sheep showing evidence of the following disease conditions will not be allowed on the grounds.
  - a. Sore mouth
  - b. Epididymitis
  - c. Scabies
  - d. Ringworm (unless under treatment by directions of a veterinarian and the veterinarian has determined that the lesion is no longer contagious).
  - e. Respiratory disease
  - f. Lymphaditis
  - g. Any other infectious or contagious disease

**All sheep being exhibited, except wethers, must be identified with the USDA official ID.**
3. Dairy/Meat Goats showing evidence of the following disease conditions will not be allowed on the grounds.
  - a. Caseous Lymphadenitis
  - b. Any other contagious disease

**All goats being exhibited, except wethers, must be identified with the USDA official ID.**
4. Cattle showing evidence of the following disease conditions will not be allowed on the grounds.
  - a. Ringworm (unless under treatment by directions of a veterinarian and the veterinarian has determined that the lesion is no longer contagious).
  - b. Respiratory disease
  - c. Warts that are visible by hands-on inspection
5. Breeding Females: Heifers that are being entered in the **Bred Heifer Class G025007 must be certified bred by a veterinarian within 30 days of fair or they will be lowered one ribbon placing.**
6. Horses showing evidence of the following disease conditions will not be allowed on the grounds.
  - a. Ringworm (unless under treatment by directions of veterinarian and the veterinarian has determined that the lesion is no longer contagious.)
  - b. Respiratory disease
  - c. Strangles
  - d. Any other infectious or contagious disease
7. Poultry showing evidence of the following disease conditions will not be allowed on the grounds.
  - a. Lice
  - b. Mites
  - c. Any other infectious or contagious disease
8. Poultry, excluding waterfowl, must meet one of the following requirements:
  - a. Originate from an NPIP participating flock and have documentation of the flock test or NPIP number; or
  - b. Have been purchased within the calendar year from an NPIP participation flock, hatchery, or dealer and have documentation of the purchase and the NPIP number;
  - c. Have been tested negative for Pullorum-Typhoid within the past 90 days.
  - d. Documentation can include a copy of the test chart (VS Form 9-2) or some type of receipt from the flock, dealer, or hatchery that includes their NPIP number.
9. Rabbits showing evidence of the following disease conditions will not be allowed on the grounds.
  - a. Snuffles (sneezing/runny nose)
  - b. Abscesses (feet, legs, abdomen)
  - c. Ringworm
  - d. Fur or ear mites

#### **D. FAIR WEIGH IN/CHECK IN**

1. All market and breeding animals are required to be checked in during their respective species scheduled times.
2. All market animals are required to be weighed in during their respective scheduled times.
3. Breeding animals are not required to be weighed in but need to undergo a health inspection and be evaluated for proper breeding

class designations. If registered under the incorrect class, changes can be made upon discussion with the species superintendent.

**Class designations will not be changed after check-in times are over.**

4. The following list of animals are required to check in one hour prior to show:
  - a. Bucket calves
  - b. Stocker feeders
  - c. Rams and Bucks
  - d. Lactating dairy goats
  - e. Bulls (except bull calves nursing their dam exhibited as a cow/calf pair)
6. Lactating Dairy Goats are required to check in three hours prior to their show
7. No animals will be checked in with a sock or covering of any kind, hide must be visible.
8. Any animal suspected to be unmanageable or a hazard at check in will be evaluated by the respective superintendent.
9. At time of weigh-in at the fair, all market lambs will be dry, have all covers removed, and have been sheared within the last ten (10) days.

**E. STALLING PROCEDURES**

**1. Herdsmanship**

a. Herdsmanship - So long as the animals are stalled at the Morrill County Fairgrounds, youth will care for their animals in a kind, compassionate and respectful manner. Therefore, it is expected that animals will be removed from their stalls on a daily basis to be fed and watered. Stalls will be free from manure as much as possible. Animals will be cared for on a daily basis. Expectations will be discussed at a MANDATORY meeting following the weigh-in/check-in of each designated species at the fair. Superintendents will check in with youth that are not taking care of animals correctly. It is the youth's responsibility to show Morrill County and all visitors of the fairgrounds how 4-H and FFA youth care for animals properly and are agricultural advocates.

b. Herdsmanship Competition - Each individual stall will be judged daily by superintendents or volunteers. Stalls will be judged from the first day animals are present up to sale time. If selected, youth will have a sign hung in their stall. Youth will find Extension Staff to receive their prize. Guidelines for Herdsmanship contest as well as the rubric will be posted in the pre-fair newsletter and in the barns for youth to reference.

2. Only provide sand in beef barn for all participants while allowing the addition of AstroTurf or mats on top of the sand.
3. Feed pans need to be secured and out of reach of neighboring animals.

**F. STALL RELEASE PROCEDURE**

1. Assignment of stalls, pens, and cages will be made by the respective superintendent. Clubs will be grouped as much as possible.
2. The stalls, pens and exhibition places should be cleaned before 9:00 a.m. each day by the exhibitor. All refuse will be disposed of in the designated area.
3. All animals are to be securely housed in the barns.
4. Following weigh in/check in and continuing until release, all stalled beef shall remain within the fenced-in area immediately surrounding the barns.
5. If a 4-H'er brings livestock to the fairgrounds before the official weigh-in, the 4-H Council MUST check in the animal. The 4-H Council is not responsible for loss or damage to the animals or barns. The owner will be held responsible for damages done to the barns and grounds. If payment is not rendered, they will not be allowed to bring livestock next year.
6. All stalled, penned, and caged animals are required to remain on the ground throughout the duration of the fair. Animals will be released following the completion of the sale.
7. All exhibitors are to obtain approval of the cleanup of their stalls, pens, and cages from the respective superintendent prior to leaving the grounds.

## G. EXHIBITION AND SHOWMANSHIP RULES FOR ALL MARKET CLASSES

1. If a youth is showing in both 4-H and FFA at fair, the youth must decide to show in either the 4-H or FFA class for that specie's showmanship class. The youth will be allowed to show in both 4-H and FFA in all other classes for that species.
2. Only 4-H and FFA exhibitors, 4-H Leaders, or their immediate family are to care for and groom animals unless excused by the 4-H Council. Violators will not be allowed to show in that project area.
3. No ribbon will be awarded unless the animal is removed from its stall and exhibited before the judge. Decisions of the judges shall prevail.
4. Entries will receive the premium they warrant in the opinion of the judge where the classes are not filled.
5. If a member is showing more than one animals in the same class, he/she shall call on the assistance of another Morrill County 4-H or FFA member.
6. If there is only one animal in a breeding class, it will be judged with the next age group and the judge will be told the age of each animal.
7. Only purple ribbon candidates will be entered in the judging of champion and reserve champion animals.
8. No breeder advertising will be allowed in connection with the 4-H and FFA exhibits.
9. No tranquilizers, sedatives or drugs of any kind will be allowed.
10. Market beef and breeding beef must have a chain chin strap on halter in order to be allowed to show.
11. Goats are to be shown with either a halter, smooth neck chain, or smooth collar only. Spike collars are not acceptable.
12. A contestant must own and show his/her own animal to qualify for showmanship.
13. Dress code for livestock judging and showmanship for beef, sheep, goats, and swine shall be the provided county fair shirt or white shirt, blue or black jeans, and hard sole shoes or boots. Caps will not be worn. FFA members follow FFA rules. Exhibitors not complying will come under the 20% clause of appearance and attitude.
14. Showmanship classes will be held before market classes. Judging will be on the following:
  - General appearance of the animals....40%
  - Presentation of the animals.....40%
  - Exhibitor appearance and attitude.....20%

## H. AUCTION AND REMOVAL

1. To be eligible to sell, livestock and exhibitor shall be present in the sale ring.
2. To be eligible to sell an animal at the auction, the exhibitor must participate in the showmanship class of species being sold.
3. No breeding class livestock will be sold at the auction.
4. The 4-H and FFA Champions will start the sale of each respective species for all 4-H and FFA livestock.
5. All exhibitors are allowed to sell one market animal only in the livestock sale at the Morrill County fair. Champion and Reserve Champion animals count as the one market animal. Additional champion market animals owned by the same exhibitor will not be allowed to sell.
6. Livestock exhibitors will have the right to sell livestock and retain ownership (less the value of the buyback) if they inform the sale committee **on the intent to sell sheet**. If they do not notify the sale committee of this intent, the animal will be loaded on the truck.
7. No animal may be removed from the fairgrounds until the designated livestock removal time (unless permission has been granted from the Superintendent). **Any animal that leaves early will not be given their earned ribbon premium or any awards associated with that particular animal.** Sale animals will be released as designated by the schedule.
8. **2024 order of sale will be: Swine, Poultry, Sheep, Goat, Rabbit, Beef**

## I. CHAIN OF COMMAND FOR LIVESTOCK MATTERS

In case of issue regarding animal health, safety, or showing

concerns, an exhibitor should follow the chain of command below:

1. Livestock superintendent will be the first point of contact. If the superintendent is not immediately available, Extension Staff may be contacted.
2. Livestock Superintendents will handle the matter according to handbook rules. If no immediate rule is applicable at the county level, Extension Staff will assist in referring to state policy.
3. If no state policy is found, Livestock Committee members will discuss and vote on matter. One member from the 4-H Council not acting as a livestock superintendent will be present in order to ensure county policies are being kept. Business will be handled in a 24-36 hours.

## VIII. ACHIEVEMENT APPLICATION

1. The Nebraska 4-H Achievement Application is a standard application form used for the selection of county and state award winners, including Nebraska delegates to National 4-H Congress and National 4-H Conference, as well as Nebraska 4-H Foundation scholarship award recipients.
2. Two versions of the application are available:
  - \* Junior Achievement Application - ages 8-14 (county only)
  - \* Senior Achievement Application - Ages 15-18 (state eligible)
3. County Level Application
  - \* Counties may choose to use the Achievement Application in selecting a variety of county-level awards and recognition. To apply for county-level awards and recognition, submit a complete application via email to your local Extension office by **September 15th**. Please contact the Extension office for more information.
4. State Level Application
  - \* Only Senior Achievement Applications (ages 15-18) are accepted for state-level awards and recognition.
  - \* 4-H members ages 15-18 as of December 31 of the current year are eligible to participate in the state-level awards application process regardless of the delivery mode in which they participated.
5. For more information regarding Achievement Applications, go to [4h.unl.edu/achievement-application](http://4h.unl.edu/achievement-application) or contact the Extension Office.

## CONTESTS

The following contests are State Fair Competitions. Youth must be signed up to compete by August 10th on the State ShoWorks site. Talk to the Extension Office for more information on enrolling in the competition. More detailed information on each competition can be found at <https://4hfairbook.unl.edu/fairbookview.php/contests>

Participant Eligibility:

- \* Contestants must be 4-H members at the time of contest.
- \* Contestant eligibility will be verified by county extension staff.
- \* Participants will be notified of the location of the contest prior to State Fair.
- \* General rules from the 4-H section of the Nebraska State Fair apply.
- \* General rules from State 4-H Fair book apply find them at <https://4h.unl.edu/fairbook/general/rules>.

## FASHION SHOW CONTEST

See page 37 for County and State Rules.

## HORTICULTURE IDENTIFICATION CONTEST

The 4-H Horticulture Identification Contest will require youth to use their knowledge about horticulture to identify a variety of specimens and complete a written exam. Scores will be determined by a Hormel calculator. Contestants will complete the written test

portion of the contests online prior to State Fair. Through the identification contest students will learn more about horticulture and the skill set it requires to decipher the best samples.

**Rules:**

1. Participants may enter as an individual and as members of a team. A team consists of 3 to 4 individuals with the total scores of the three high individuals making the team score.

2. Participants will be required to participate in all of the following portions:

\* **Identification**– Participants will identify the plant specimens by accepted common name as defined by the “Identification Answer Sheet.”

\* **Judging/ Placing**– Participants will be asked to rank class(es) of items from best to worst based upon a set of criteria.

\* **Exam**– Participants will complete a multiple choice/ true false exam worth 2 points per question.

**Scoresheets, Forms, and Contest Study Materials and the full list of Rules can be found at <https://go.unl.edu/ne4hhorticultureidcontest>.**

## WEED & GRASS IDENTIFICATION CONTEST

The Weed and Grass Identification Contest allows participants to compete as individuals or as a team. Through this competition 4-h'ers will learn more about range plants and how to decipher the best specimens. Medals will be awarded to the top three individuals in each division. For more information go to the Resources section at the bottom of this webpage.

**Rules:**

1. Participants may enter as an individual and as members of a team. A team consists of 3 to 4 individuals with the total scores of the three high individuals making the team score.

2. Contestants will be required to identify the plant specimens by accepted common name as defined by the “Weed and Grass ID List” by matching the contest specimen with a number from the alphabetical specimen listing for the contest.

3. Participants are required to pay a non-refundable fee of \$5/ person.

**Scoresheets, Forms, and Contest Study Materials and the full list of Rules can be found at <http://go.unl.edu/ne4hgrassweedidcontest>.**

## INSECT IDENTIFICATION CONTEST

The Insect Identification Contest provides an opportunity for 4-H participants to put their entomological knowledge to the test. The contest consists of insect identification and short multiple choice questions. Participants will gain knowledge about insects and entomology through this competition.

**Rules:**

1. Participants may enter only as an individual.

2. Contestants will have at least an hour to identify 50-60 insect specimens. Identifications will be scored strictly by the names given on the Specimen Study List, as common names may vary according to resources studied.

3. Contestants will identify specimens by common name only, and will use a key consisting of eligible orders and insects from which to write the corresponding letter (for order) and number (for insects) on an answer sheet.

4. Every 5th specimen will have a multiple-choice insect knowledge question about the insect. The question may require the meaning of the order name, type of antennae, legs or mouthparts, kind of metamorphosis, a fact about biology, or the scientific name of the specimen.

**Scoresheets, Forms, and Contest Study Materials and Complete list of Rules can be found at <https://go.unl.edu/ne4hinsectidcontest>**

# TREE IDENTIFICATION CONTEST

The Tree Identification Contest consists of 40 different tree specimens for 4-H participants to identify. 4-H participants can compete as individuals or teams in the contest. Involvement in the competition will lead to expansion of tree knowledge for 4-Hers. To learn more about tree identification material visit this webpage. [https://4hcurriculum.unl.edu/index.php/main/program\\_project/65](https://4hcurriculum.unl.edu/index.php/main/program_project/65)

## Rules:

1. Participants may enter as an individual and as members of a team. A team consists of 3 to 4 individuals with the total scores of the three high individuals making the team score.

2. Contestants will be required to identify the plant specimens by accepted common name, but knowledge of scientific names is encouraged.

\*Contestants will identify 40 tree specimens described in the Tree Identification Manual (4H332)

**Scoresheets, Forms, and Contest Study Materials and the Complete List of Rules can be found at**

<https://go.unl.edu/ne4htreeidcontest>.

# CULINARY CHALLENGE CONTEST

The 4-H Culinary Challenge Contest will require youth to demonstrate healthy decision making through nutrition, food preparation, menu planning, and food safety, utilizing a foods and nutrition curriculum. They will apply healthy living knowledge and skills by planning a nutritious menu, demonstrating their understanding of time management skills in the kitchen, and expressing their originality and creativity through an appropriate themed and properly set table. To showcase these skills, youth will create a menu, prepare a food item, and choose an appropriate theme for their occasion while expressing their food, nutrition, and food safety knowledge during a live interview with a judge at the contest.

## Rules:

1. A team will consist of two members to be eligible to compete.

2. All team members must be enrolled in a 4-H foods and nutrition project during the current 4-H year.

3. During judging, 4-H members may choose to dress in appropriate clothing, costume, or accessories relevant to the theme. A 4-H chevron or 4-H emblem must be visible on clothing.

4. Team members must provide their own table for display.

## Challenge Ingredient/Item:

1. A challenge ingredient will be selected each year, highlighting a Nebraska commodity food product. **The 2024 challenge ingredient is SOY.** Please keep food safety in mind when selecting the recipe used for the Challenge. Foods must be able to be kept chilled during transport to the contest, then be able to be re-heated in a microwave if needed. Each team must incorporate the challenge ingredient into their food item they will be presenting during the contest. This may require altering a recipe or creatively incorporating an item into their overall table theme. The challenge ingredient must also be included in the interview presentation, demonstrating youth knowledge of the ingredient, such as nutritional value, a farm-to-fork concept, or how to adapt a recipe to include the ingredient.

## Judges Interview:

The team should view themselves as the hosts, welcoming the judge, cooperatively presenting the table to the judge, incorporating multi-media resources, and answering any questions from the judge. Teams must be prepared to present to the judge utilizing technology, such as PowerPoint, picture story, or other multi-media resource. Presentations may include photos, clip art, animation, video or audio sound. The 4-H members should cooperatively present a verbal presentation to the judge that is highlighted by their multi-media presentation via computer or tablet. Participants must provide their own computer or other equipment needed for their 4-H Foods Event judging interview. Presentations will occur at participants' tables. Please do not bring projectors or other

equipment which will require extra space.

**Considerations should be given to creatively include the following items through the multi-media presentation:**

- \*Nutritional facts of their menu
- \*Food safety
- \*Time management
- \*Choice of menu
- \*Food preparation
- \*Cost of item/per serving
- \*Food handling techniques
- \*Recipe of the food item shared with the judge
- \*Challenge ingredient (nutritional value, farm-to-fork, recipe revision, etc.)

**Scoresheets, Forms, and Contest Study Materials and a Complete List of Rules can be found at <https://go.unl.edu/ne-4hculinarychallenge>**

## DAIRY JUDGING CONTEST

DAIRY MANAGEMENT TEST (100 points) - Contestants compete as individuals.

- \*50 questions– 2 points each
- \*40 questions on dairy industry
- \*10 questions using a dairy herd record evaluation data sheet to evaluate individual cows.

TEAM ACTIVITY (200 points)- Contestants compete together with their team.

- \*Each team will be provided with a dairy farm management scenario to identify problems and determine possible improvements. Teams should assume the role of a hired consultant advising a producer (judges).

**4-H/FFA DAIRY JUDGING** Contestants compete as individuals.

Judging classes may be any of the following breeds:

- \*Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey and/or Milking Shorthorn and may consist of heifers or cows.

**Scoresheets, Forms, and Contest Study Materials and a Complete List of Rules can be found at**

**<https://4hfairbook.unl.edu/fairbookview.php/contests/44>**

## ROBOTICS SHOWCASE

See page 106 for State Rules.

## PREMIER SCIENCE AWARD CONTEST

Recognize 4-H youth static exhibits incorporating or demonstrating concepts from the areas of 4-H Science (science, technology, engineering, or applied math) at the Nebraska State Fair. Exhibits in all curriculum areas will be considered for the award.

**Rules:**

### **I. Application**

- \*Participants may select ONE exhibit from any department which was selected for State Fair to complete their awards application about.
- \*An awards application, along with any supplemental documents, should be completed and turned in to the County Office by the county's entry deadline. Handwritten or typed entries are accepted. Entries are only judged on the information included in the application.
- \*Award applications need to include a photograph of the exhibit.

The photograph will not be used for judging, but is needed if the exhibit needs to be located in the exhibit hall.

**Scoresheets, Forms, and Contest Study Materials and Complete List of Rules can be found at <http://go.unl.edu/ne4hpremiercienceaward>.**

## DOG SKILLATHON CONTEST

The Dog Skill-a-thon contest will provide 4-H participants an opportunity to test their knowledge of dogs. There will be a variety of stations with visual diagrams and hands-on activities that contestants will work through and be judged upon. The skill-a-thon will be held in conjunction with the State 4-H Dog Show. Visit the 2024 State 4-H Dog event webpage at <https://4h.unl.edu/dog-show> for more information.

### Rules:

1. This is an individual contest. NO teams.
2. YOU DO NOT NEED A DOG TO PARTICIPATE IN THIS CONTEST.
3. The contest will consist of a series of stations that are designed to test your knowledge of dogs. Some stations may be visual diagrams or hands on activities to demonstrate a dog related technique. Stations will cover:

\*Breed identification pictures from the Focus Group (majority of focus)

- 2022-2027 – Terrier, Non-sporting & Stock Found/Misc. (E-P), Sporting & Stock Found/Misc. (R-W), Hound, Toy, Herding

\*Breed identification pictures from all other groups (a few)

- Dog Care, Conformation, Dog Body Language, Behavior, Grooming, Parasites, Nutrition, Life Stage, Anatomy, Body Systems

- Obedience, Agility, Showmanship, Rally, Other Dog Sports, Dog Careers

- Equipment – collars, leashes, grooming equipment, and items used for general care, etc. . . .

**Scoresheets, Forms, and Contest Study Materials and Complete List of Rules can be found at <https://go.unl.edu/ne4hdogskillathon>.**

## CLOVER KIDS

(ages 5 – 7 must be 5 yrs old Jan 1, 2024)

Premium: \$1.00 each project

COUNTY ONLY

Clover Kids are eligible if they are 5-7 years old by January 1 of the current year. The focus for these projects is to build a positive, non-competitive 4-H experience emphasizing fun, success, and parent or significant adult involvement. Exhibits are to be entered at the same time as other 4-H static (hall) exhibits, unless otherwise stated. Clover Kids may participate in interview judging if they choose. One exhibit per class. Limit 10 entries

### Rules:

1. Animal and animal subject matter can contribute to Clover Kids objectives. However, for safety, liability, and competitive reasons often associated with livestock shows, some restrictions are necessary to maintain Clover Kids Program Objectives.
2. The Clover Kids program will be developmentally appropriate and involve the following components:

\*Encourages involvement of parent or significant adult Focused on self-esteem and provide positive feedback.

\*Sharing through cooperative learning.

\*Non-competitive-emphasizing fun and success of every child.

\*Recognizes individuals for participation.



\*Recognition and incentives are to be presented without rank or placing.

3. Specific reasons for being cautious with direct large animal involvement are as follows:

\*Children 8 and under often lack the mental and physical skills for controlling and understanding the strength of large animals (Livestock Conservation Institute, 1994).

\*Young children may lack the strength, balance, and attention span to adequately manage large animals. (American Medical Equestrian Association)

4. Because of these reasons, Clover Kids programs involving live animals must adhere to the following guidelines:

\*Exhibition includes discussions with youth based on their knowledge of the care and raising of the animal.

\*Exhibitors “show” in a non-competitive setting for participation only.

\*Age, size, and temperament of animal projects must be appropriate for the exhibitor’s age and size.

\*Horse projects are not appropriate for this age group.

\*Small animals (rabbits, poultry, dogs, cats, lambs, goats, bucket calves) are allowed.

\*No snakes.

\*Livestock animals should be no more than six months of age and no more than 350 pounds at the time of show.

5. Participation ribbons will be given to each participant

6. All animals will be brought and taken home the day of the show unless borrowed from a 4-Her.

7. No animals will be sold at the 4-H sale

8. Each participant may show no more than one animal

**Clover Kid programs, in addition to the curriculum provided, can be developed as long as a safe environment is assured.**

#### **DIVISION 900 JUST OUTSIDE THE DOOR**

##### **CLASSES:**

●**G990001 Seed Mosaic** - must use 3 different types of seeds to create a picture or abstract art

●**G990002 Bird Feeder** (homemade with recycled materials)

●**G990003 Insect Model** – Create insect using any kind of non-edible media; include all parts of insect: six legs, one pair of antennae and three body sections

●**G990004 Wildlife Story** - (your choice of animal) display discovered information on a poster

●**G990005 Leaf Rubbings** - 5 leaf rubbings

●**G990006 Nature Hike** - take a hike and make a shadow box filled with items you collected along the way or draw a picture of something you saw

#### **DIVISION 991 SCIENCE & TECHNOLOGY**

##### **CLASSES:**

●**G991001 Rocket** - can be an Estes rocket with plastic fins, stomp rocket, or a non-flying model rocket

●**G991002 Paper Flyers** - Make your favorite kind of paper flyer. Can be a helicopter, airplane, rocket, or any flying machine.

●**G991003 Exploring Wind** - make & decorate a pinwheel

●**G991004 Exploring Sound** - make a noise making instrument using recycled material

●**G991005 Robotics** - make a robot using either recycled materials or Legos

●**G991006 Catapult** - make a catapult out of recycled materials

●**G991007 Kitchen Chemistry** - make either playdough or slime

#### **DIVISION 992 FAMILY TRADITIONS**

## CLASSES:

- G992001 **Name Art** - make art created around your first name, last name, or initials
- G992002 **Piñata**
- G992003 **Hand or computer made card** - for any holiday
- G992004 **Scrapbook** - one page of yourself or family or family event.

## DIVISION 993 ROAD TO GOOD COOKING

### CLASSES:

- G993001 **Cookies** - four on a plain white paper plate.
- G993002 **Healthy snack** - ½ cup non-perishable snack in a small sealed bag or small plate.
- G993003 **Poster** showing what you learned in project, such as Food Guide, My Plate; Table Setting; Rules for the Kitchen; Identifying Kitchen Utensils; Proper Ways to Measure Ingredients; and many more!
- G993004 **Plain (Not Frosted) Cupcake or Muffin** - 4 on a plain white paper plate.
- G993005 **Decorated Cupcake** - 1 on a plain white paper plate.

## DIVISION 994 THEATER ARTS

### CLASSES:

- G994001 **Sock Puppet**
- G994002 **Spoon Puppet**
- G994003 **Other Puppet**
- G994004 **Poster** with pictures of you in different costumes - no larger than 14" x 22".
- G994005 **A Poem or Rhyme** - can be recited or displayed on paper. May be your own or published piece.
- G994006 **Participate in Speech Contest** - read a book, poem, or your own story for less than a minute

## DIVISION 996 CREATE YOUR CORNER

### CLASSES:

- G996001 **Collage** – no larger than 14" x 22".
- G996002 **Homemade Mobile**
- G996003 **Covered Storage Box**
- G996004 **Banner/Wall/Door Hanging**
- G996005 **Decorated Basket**
- G996006 **Homemade Bulletin Board**
- G996007 **Yard or Outdoor Decoration.**
- G996008 **Scrapbooking**– One page of your favorite space , activity or animal.
- G996009 **Photography** - 5 pictures of related theme. Mounted on no larger than 14"x22" poster board
- G996010 **Lego structure** - on 10x10 base.
- G996011 **My favorite photo** - (4 x 6) in a frame.
- G996012 **Holiday Craft** - Easter, Christmas, etc.
- G996013 **My Favorite School Project**
- G996014 **Portfolio containing at least 3 examples from the following:** Color wheel; Finger painting; Dip/dye paper; Torn tissue design; Crayon melt print; Texture rubbing; Potato print; Finger print picture.
- G996015 **Making Recycled Paper** - use recycled newspaper or

paper to create a new piece of paper (any shape allowed)

●G996016 **Other**

**DIVISION 997 EXPLORING FARM ANIMALS**

**CLASSES:**

- G997001 **Create a Critter** – Draw or make a model of an animal using different parts from different animals.
- G997002 **Animal Sculpture** – any type of medium; i.e., clay, play dough, bread dough clay, etc.
- G997003 **Animal Show** – (can be borrowed) Limit one animal per exhibitor.
  - \*Youth will be asked about the care and raising of the animal.
  - \*Companion animals will be shown to the judge during exhibit hall judging.
  - \*Companion animals must be brought in appropriate cages.
  - \**Livestock must be no older than 6 months of age and no more than 350 pounds at the time of the show.*
  - \*Horses and snakes are not allowed.
  - \*All animals are to be brought and taken home on the day of the show unless borrowed from a 4-Her.
  - \*Bucket calf, swine, lamb, goats, rabbit, and poultry will be shown in the Livestock Show ring at the end of their species showmanship classes.

**DIVISION 998 SEWING - FASHION SHOW**

**CLASSES:**

- G998001 **Fashion Show Participant** - model your favorite outfit or accessory– does not need to be handmade.
- G998002 **Pillow Case**
- G998003 **Simple Pillow** - no larger than 18" X 18"
- G998004 **Bag/Purse**
- G998005 **Everything Bag**
- G998006 **Pin Cushion**
- G998007 **Embellished Garment**

**DIVISION 999 PLANT SCIENCE**

**CLASSES:**

- G999001 **Flowers** - 3 stems of a single variety. Use plain sturdy jars or bottle (no plastic bottles).
- G999002 **Vegetables** - Display on sturdy paper plate. Any vegetable that you help grow in your garden.
- G999003 **Potted Plant**
- G999004 **Plant Grown from Seed.**

## COMMUNICATIONS

The communication category provides 4-H participants an opportunity to improve their presentation and public speaking skills. In addition, 4-H'ers will get to demonstrate their knowledge of varying degrees of communication. Competitors have the option of creating a poster, essay, or digital media in the different divisions. For more resources and materials in this category refer to the resource section at the bottom of the page.

**Rules:**

1. Static exhibits in this division will be evaluated on clarity of purpose/message in relation to communication, accuracy of information, originality, creativity, evidence of exhibitor's learning in this area, and educational value of exhibit to viewers.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

## **Scoresheets, Forms, and Contest Study Materials**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hcommunications>.

### **DIVISION 154**

#### **COMMUNICATIONS, MODULE 1 (COUNTY ONLY)**

##### **CLASSES:**

- **B154006 Creative Writing** - Share your creative side by producing a written work in the genre of your choice (Ex: short story, poem, picture book, e-book)

#### **COMMUNICATIONS, MODULE 2**

##### **CLASSES:**

- **B154001 Poster** - (SF94) - Create a poster, measuring either 22"x28" or 24"x36", that showcases what was learned in this project area.
- **B154002 Essay** - (SF94) - Write an essay (3-5 pages) that showcases what was learned in this project area.

##### **Rules:**

1. Use one or a combination of the experiential activities in the Communications, Module 2 curriculum to create an educational poster or essay sharing with others what you have learned. Topics may include but are not limited to: identifying cultural differences in communication, developing guidelines for internet etiquette, evaluating another person's presentation, identifying communication careers, or preparing a presentation using a form of technology.

#### **COMMUNICATIONS, MODULE 3**

##### **CLASSES:**

- **B154003 Poster** (SF94) - Create a poster, measuring either 22"x28" or 24"x36", that showcases what was learned in this project area.
- **B154004 Essay** (SF94) - Write an essay (3-5 pages) that showcases what was learned in this project area.
- **B154005 Digital Media** (SF94) - Design a form of digital media (advertisement, flyer, short video or presentation, social media or web page, etc.) that showcases what was learned in this project area. Upload the digital media file to an online location (web site, Dropbox, Google Drive, YouTube, Flickr, etc.) and using the web address of the digital media file, create a QR code (using any free QR code creator, ex. [qr-code-generator.com](http://qr-code-generator.com)). Print the following on an 8.5"x11" sheet of cardstock: 1) the QR code, 2) 1-3 sentences about what viewers will see when they access the QR code on their mobile device.

##### **Rules:**

1. Use one or a combination of the experiential activities in the Communications, Module 3 curriculum to create an educational poster, essay, or digital media sharing with others what you have learned. Topics may include but are not limited to composing a personal resume, completing research on a speech or presentation topic, identifying ways to reduce risks online, evaluating own cell phone usage and etiquette, critiquing advertisements, and job shadowing a communication professional.

##### **Resources:**

##### **Communications**

Learn about interpersonal relationships, cultural understanding, speech making, safety in online spaces, and job interviews; Practice communication in a variety of situations; Learn about communication preferences, active listening, identifying aggressive communication, using visual aids, making introductions, and writing letters and songs; Learn about and practice conflict resolution, online communication and social media, cultural differences in communication, writing thank you notes, press releases, and speeches, and career in communications; Learn about interpersonal electronic communication usage, evaluating advertisements, writing resumes and cover letters, safety in online communication, leadership and teamwork, and digital storytelling.

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/185](https://4hcurriculum.unl.edu/index.php/main/program_project/185)

# PHOTOGRAPHY

The purpose of this category is to establish basic to advanced knowledge of and abilities in using photographic equipment, lighting, and composition to capture images, express feelings, and communicate ideas. Participants can work through the three project levels, progressing from basic to advanced photographic skills and techniques. For help getting started with this project contact your county 4-H Extension office.

## State Rules:

1. 4-H members are allowed to exhibit in only one photography level unit.
2. 4-H members may enter up to three exhibits but no more than one exhibit per class (see general rules).
3. An image may only be used on one exhibit with the exception of the Unit III Portfolios, which may include images entered as exhibit prints in other Unit III classes.

**4. Cameras:** Photos may be taken with any type of film or digital camera, including phones, tablets, and drones, with the exception of Class B181050 which requires a phone or tablet camera.

Manual adjustments are strongly encouraged for Unit III exhibitors.

**5.** Photos must be shot by 4-H member during the current project year with the exception of the Unit III Portfolios, which may include images captured and/or exhibited in previous years.

**6.** Securely attach photos, mats, backing, and data tags. Exhibits that are poorly attached may be disqualified. Do not use photo corners, borders, or place coverings over the exhibits.

**7. Portfolios:** All portfolios must include the following information: 1) 1-page max bio, 2) table of contents, 3) year each photo was taken, 4) title for each image, 5) device make and model used to capture each image, and 6) reflections for each photo. When writing reflections, youth should focus on what new photography techniques or skills they were practicing when they took the photo, what makes the image successful, and what could have been done to improve the image. Portfolios may be presented in either print or digital formats:

\*Printed portfolios should be presented in a 8.5"x11" three-ring binder or similar book format. Recommended photo size is 8"x10". Matting is not necessary.

\*Digital portfolios may be presented online and must be exhibited along with a single 8.5x11 flyer. Flyers must include a link, URL, or QR code that takes users (judges and fairgoers) to their online portfolio.

**8. Display Exhibits:** At the State Fair, display exhibits are only accepted in Level 2. Displays consist of three 4"x6" photos mounted on a single horizontal 11"x14" black or white poster or mat board. Incorrect sizes will not be accepted. No foam board backing should be used. Each photo in the display must be numbered using a pencil. Numbers should be readable but not distract from the overall display. No titles, captions, or stick-on numbers will be allowed. Photos may be mounted vertically or horizontally. Appropriate Data Tags are required (see rule regarding Data Tags).

**9. Print Exhibits:** Print exhibits must be 8"x10" printed mounted in 11"x14" (outside size) cut matting with a sandwich mat board backing. Incorrect sizes will not be accepted. No foam board should be used for matting or backing. Mat openings may be rectangular or oval. Photos may be horizontal or vertical. No frames are allowed. Appropriate unit data tags are required (see rule regarding Data Tags).

**10. Entry Tags:** Entry tags should be securely attached to the upper right-hand corner of the exhibit.

**11. Data Tags:** Data Tags are required on all print and display exhibits. Data tags are not required for portfolios. Each exhibit must have the appropriate number and level of data tags as outlined below. Data tags should be securely attached to the back of the exhibit. Current data tags and help sheet are available at <https://unl.box.com/v/4h-photography>

\***Level 2 Prints:** All Level 2 prints must have a Level 2 Data Tag.

\***Level 2 Displays:** Each photo of the display must include a

separate Level 2 Data Tag. Data Tags should be numbered with the corresponding photo's number.

\***Level 3 Prints:** All Level prints must have a Level 3 Data Tag, securely attached to the back of the exhibit in the upper right-hand corner.

**12. On-Campus Exhibition Selection:** Exhibit Prints may be selected from State Fair entries for special on-campus exhibitions. Selected prints will be collected at the end of State Fair and will be returned to county Extension offices after the completion of their on-campus exhibition.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**State Quota:**

\***Exhibitor:** Only one entry per class per exhibitor may be made in static project

\***County:** Up to 5 entries per division

\***Portfolios:** There is no quota

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne-4h-photography>.

**Special Awards:**

On-Campus Exhibition Selection - Level 2 and Level 3 prints exhibited at State Fair may be selected for special on-campus exhibitions. Selected prints will be collected at the end of State Fair and will be returned to county Extension offices after the completion of their on-campus exhibition.

**DIVISION 180 PHOTOGRAPHY LEVEL 1 (COUNTY ONLY)**

**Rules:**

**Displays** – Displays exhibits are encouraged for Level 1 exhibitors. Displays consist of three 4x6 photos mounted on a single horizontal 11x14 black or white poster or mat board. No foam core backing board is allowed. Each photo in the display must be numbered using a pencil. Numbers should be readable but not distracting from the overall display. No titles, captions, or stick-on numbers are allowed. Photos may be mounted vertically or horizontally. Data tags are required for each photo in the display. Use numbers to identify which photo each data tag corresponds with.

**CLASSES:**

●**B180001 Fun with Shadows Display or Print** – Photos should capture interesting or creative use of shadows (Activity 4)

●**B180002 Get in Close Display or Print** – Photo should capture a close-up view of the subject or object. (Activity 8)

●**B180003 Bird's or Bug's Eye View Display or Print** – Photo should capture an interesting viewpoint of a subject, either from above (bird's eye view) or below (bug's eye view). (Activity 10)

●**B180004 Tricks and Magic Display or Print** – Photos should capture visual trickery or magic. Trick photography require creative compositions of objects in space and are intended to trick the person viewing the photo. For example, if someone is standing in front of a flower pot, the pot might not be visible in the image, making it look as if the flowers are growing out of the person's head. (Activity 11)

●**B180005 People, Places, or Pets with Personality Display or Print** – Photos should have a strong focal point, which could be people, places, or pets. Photos should capture the subject's personality or character. Photos may be posed or un-posed. (Activity 13)

●**B180006 Black and White Display or Print** – Photos should create interest without the use of color. Photos should show strong contrast and/or textures. Photos may be captured in black and white or captured in color and edited to black and white. (Activity 15)

●**B180007 Challenging Photo Exhibit: Telling a Story Display** – Exhibit will include three photos which tell a story without

words. Photos may show something being created, destroyed, consumed, moving, or growing. Photos should capture the beginning, middle, and end of a single story, project, or event. Display will consist of three 4x6 photos mounted on a single horizontal 11x14 black or white poster or mat board. Each photo in the display must be numbered using a pencil. Numbers should be readable but not distracting from the overall display. No titles, captions, or stick-on numbers are allowed. Photos may be mounted vertically or horizontally. Data tags are required for each photo in the display. (Activity 14)

- B180008 My Favorite Other Picture** - Any other favorite photo. Exhibit may range in size from 3" x 5" to 8" x 10" mounted in appropriate size cut matting (no frames) with a sandwich backing.

### **DIVISION 181 NEXT LEVEL PHOTOGRAPHY (LEVEL 2)**

#### **CLASSES:**

- B181010 Portfolio** - (SF88) - Level 2 portfolios should represent the photographer's best work and must include 5-7 different images from the 4-H member's photography career. At least 2 images must have been taken during the current year. The remaining images may have been taken at any time during the member's 4-H experience and may have been previously exhibited. Portfolios may include photos which are exhibited in other Level 2 classes during the same year. Portfolios must include: 1) 1-page max bio, 2) table of contents, 3) year each photo was taken, 4) title for each image, 5) device make and model used to capture each image, and 6) reflections for each image. When writing reflections, youth should focus on what new photography techniques they were practicing when they took the photo, what makes the image successful, and what could have been done to improve the image.

- B181020 Creative Techniques & Lighting Display or Print** (SF87) - Photos should capture a creative use of lighting, such as diffused lighting, backlighting, or hard lighting, reflections, or another lighting technique covered in Book 2 Next Level Photography (Activity 3, 4, 5)

- B181030 Creative Composition Display or Print** (SF87) - **COMPOSITION DISPLAY OR EXHIBIT PRINT:** Photos should capture a creative composition using the Rule of Thirds, Golden Triangle, Golden Rectangle, or another composition technique covered in Book 2 Next Level Photography. (Activity 6, 7, 8, 9)

- B181040 Abstract Photography Display or Print** (SF87) - **ACTION DISPLAY OR PRINT:** Photos should be abstract or capture a small piece of a larger subject. Abstract photos may not look like anything in particular but should be able to capture a viewer's attention. (Activity 11)

- B181050 Candid Photography Display or Print** (SF87) - Candid photos should capture a special moment or meaningful interaction. Photos should be un-posed. (Activity 10)

- B181060 Expression Through Color Display or Print** (SF87) - Photos should capture a creative use of color or a color scheme, such as complimentary, contrasting, monochromatic, warm, cool, primary, secondary, or tertiary. (Activity 13)

#### **Rules:**

**1.** Level 2 photographers should be utilizing all the skills and techniques they have developed thus far in their photography careers, especially topics covered in Book 1 Photography Basics and Book 2 Next Level Photography.

### **DIVISION 182 MASTERING PHOTOGRAPHY (LEVEL 3)**

#### **CLASSES:**

- B182010 Portfolio** (SF88) - Level 3 portfolios should represent the photographer's best work. Level 3 portfolios must include 9-11 images from the 4-H member's photography career. At least 3 images should be from the current year. The remaining images may have been taken at any time during the member's 4-H experience and may have been previously exhibited. Portfolios may include photos which are exhibited in other Level 3 classes during the same year. Portfolios must include: 1) 1-page max bio,

2) table of contents, 3) year each photo was taken, 4) title for each image, 5) device make and model used to capture each image, and 6) reflections for each image. When writing reflections, youth should focus on what new photography techniques or skills they were practicing when they took the photo, what makes the image successful, and what could have been done to improve the image.

- **B182020 Advanced Techniques & Lighting Print** (SF89) - Photos should show an experimentation or exploration of advanced lighting, such as low-light or silhouette photography or another advanced photography technique, such as astrophotography, underwater photography, or infrared photography. (Activity 3, 4, 5, or 12)
- **B182030 Advanced Composition Print** (SF89) - Photos should show advanced compositions, such as using diagonal, horizontal, or vertical lines or repeating shapes to frame a subject or lead the viewer's eye through a scene; breaking the rule of thirds to compose a discordant image; or another advanced composition technique covered in Book 3 Mastering Photography (Activity 6,7)
- **B182040 Portrait Print** (SF89) - A great portrait captures not only a person's physical image, but also something of the person's character or personality. Photos may be either formal or informal, but must be of one or more human subjects. (Activity 9)
- **B182050 Still Life Print** (SF89) - Photos should capture non-moving objects that have been arranged in an interesting way. Photos should demonstrate advanced control over lighting and composition. (Activity 8)
- **B182060 Freeze/Blur the Moment Print** (SF89) - Photos should capture a subject in motion. Photographers should adjust shutter speed to either freeze or blur the movement. (Activity 11)

#### **Rules:**

Level 3 photographers should be exploring and experimenting with advanced techniques. This may include but does not necessarily require using an SLR camera, manual adjustments, or other advanced equipment. Level 3 photographers should be utilizing all the skills and techniques they have developed throughout their photography career, especially topics covered in Book 1 Photography Basics, Book 2 Next Level Photography, and Book 3 Mastering Photography.

#### **Resources:**

##### **Mastering Photography**

Get to know your camera's capabilities using the mode dial; Practice capturing a focal point understanding how camera equipment and depth of field effects the photo; Practice taking photos in low-light situations; Practice taking photos that help you get the correct exposure; Practice taking silhouettes; Practice composing photos that include geometric shapes and interesting framing; Practice composing photos that break photography "rules"; Practice taking still-life photos; practice capturing portraits showing a person's character and personality; Practice taking photos of interesting shapes, patterns, and textures; Practice capturing photos where the subject is in motion; Practice taking photos that are outside the normal limits: astrophotography, underwater, infrared; Practice creating creative joiners; Evaluate photos that represent body of work

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project\\_28](https://4hcurriculum.unl.edu/index.php/main/program_project_28)

##### **Next Level Photography**

Get to know your camera's capabilities using zoom; Practice using different lens filters; Practice using light to portray a specific mood; Practice taking photos of reflections; Practice taking photos without the flash feature on your camera; Practice using the Rule of Thirds and the Rules of the Golden Triangle and the Golden Rectangle; Practice taking photos from different points of view/perspectives; Practice creating photos with interesting negative spaces; Practice capturing unposed, candid shots of a subject or event; Practice taking photos of "bits and pieces" of ordinary objects to create a work of art; Practice using a camera to create a panorama; Use color to create photos that are cool warm, monochromatic, contrasting, and/or complementary; Practice taking photos with a specific purpose in mind to teach, instruct, or sell a product or service; Evaluate photos that represent body of work.



URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/28](https://4hcurriculum.unl.edu/index.php/main/program_project/28)

### **Photography Basics**

Get to know your camera; Practice keeping camera steady and level; Practice taking photos, noticing natural light; Notice shadows and their potential in photography; Practice using natural light from several different directions; Practice using flash for fill, solving red-eye problems; Evaluate background, middle-ground, and foreground when taking photos; Practice filling the frame with the subject; Practice eliminating background clutter in photos; Practice using different viewpoints and perspectives in photos; Compose creative, unusual photos; Compose variety of selfies; Take photos of people, places, and things; Sequence photos to tell a story; Create black and white photos; Evaluate photos using critical thinking

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/28](https://4hcurriculum.unl.edu/index.php/main/program_project/28)

## **LEATHERCRAFT COUNTY ONLY**

### **Rules:**

1. Put name, age and county on back of exhibit board or on tag attached to individual exhibit articles.
2. Include whether articles are made from kit or are self-cut and designed by the member.
3. For beginning and intermediate carving, must include what tools were used to create exhibit.
4. Projects will be evaluated on the quality of the information completed on label (25%) and quality of the exhibit (75%).
5. Leathercraft exhibitors may exhibit in more than one of the classes.
6. Leathercraft projects could include but are not limited to the following: coaster, bookmark, key fob, wristband, comb case, barrette, necklace, medallion, luggage tag, coin purse, billfold, picture frame, sewing case, key case, drawstring bag, picture, belt, belt buckle, leash, halter, bridle, camp stool, stirrup guards, vest, moccasins.

### **DIVISION 904**

#### **UNIT I INTRODUCTORY-STAMPING/TOOLING**

##### **Definition:**

- \* Stamping/tooling is where you use impressions made from tools to form a design.
- \* Exhibit 1-3 articles.
- \* Apply a clear finish to your article(s).

##### **CLASS:**

##### **●G904900 Stamping**

#### **UNIT II. BEGINNING CARVING**

##### **Definition:**

- \*Carving is where you cut into the leather (usually with swivel knife) as part of the design you are tooling.
- \*Exhibit 1-3 articles.
- \*Must use swivel knife to cut and tool pattern. May also use camouflage tool, pear shaver, beveller, vainer, seeder, backgrounder and decorative cuts. Exhibit label must include tools used for each exhibit article.
- \*Clear leather finish applied to exhibit article(s).

##### **CLASS:**

##### **●G904903 Carving**

#### **UNIT III. INTERMEDIATE CARVING W/LACING OR STITCHING**

##### **Definitions:**

- \*Cord-round and waxed thread.
- \*Lace-flat with a shiny side and a rough side
- \*Exhibit 1-3 articles.

\*Exhibit label must include tools used for each exhibit article.

\*Must carve and lace (or stitch) project using cord or lace. Finish is exhibitor's choice.

**CLASS:**

- G904906 Carving w/ Lacing or stitching

## CONSUMER & FAMILY SCIENCE

### CLOTHING

*\*For more non-sewing options, check out Shopping in Style on pg. 49\**

**Rules:**

- 1. Entry Tags:** Every clothing exhibit must be described on the appropriate entry tag accompanying it (for example: dark blue wool skirt and jacket, red and white figured blouse). Entry tag placement: as you look at the garment place the entry tag securely using straight pins or safety pins on the right side of the garment and the hook of the hanger to the left.
- 2. Identification Labels:** Each item entered as a clothing, knitting or crochet exhibit must have a label attached stating: County, Exhibitor's name and age, project name and class in which garment is entered, and the number of years enrolled in the project exhibited. Wool entries must have the fiber content listed on the identification label. Attach a label on every component of the outfit using safety pins or by basting. Not responsible for unlabeled items.
- 3. Preparation of Exhibits:** Please bring all wearable exhibits on wire hangers or hangers with a swivel hook **ONLY**. All exhibits not suitable for hanging should be entered in a self-sealing plastic bag and hung on a hanger. Wool garments and garments with narrow straps hang better on other hangers, i.e., wooden or notched plastic hangers with a swivel hook. As you look at the garment, place the hook of the hanger pointing to the left. Fasten skirts, shorts, and pants to skirt/pant hangers or safety pin on hanger. Each piece should be entered on its own hanger. If more than one hanger is used for an entry, fasten hangers belonging to one exhibit together with twist ties or rubber bands.
- 4. A Design Data Card** must be included with all Beyond the Needle Classes C221003-C221008 and STEAM 2 and 3 upcycled exhibits. The data card is available at <https://go.unl.edu/ne4hclothing>. If the data card is not included, the exhibit will be lowered one ribbon placing. The data card is only required for the classes listed above.
- 5. Removal of Entries:** Entries may not be removed for use in any other State Fair activity including State Fair Fashion Show.
- 6. General:** Garments as listed may be made for self (4-H member) or another person. Garments will be displayed by county. 4-H'ers enrolled in clothing projects should continue their skill development. Once you have exhibited in a higher level, you are not eligible to exhibit in a lower level. Ex. Once you exhibit in STEAM Clothing 3, you are not eligible to exhibit in STEAM Clothing 2.
- 7. Criteria for Judging:** Refer to the Nebraska 4-H website for current state fair scoresheets at [www.4h.unl.edu](http://www.4h.unl.edu). In addition, all entries must conform to rules and regulations as set forth in the current Nebraska State Fair Book.

**4-H'ers who have enrolled in or completed STEAM II Clothing project are not eligible to exhibit in STEAM I Clothing.**

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hclothing>.

**Special Awards:**

\*Premier 4-H Science Award is available in this area. Please see visit this site for more details <https://4h.unl.edu/fairbook/premier-science-award>.

\*All garments and accessories will be considered for the juried "4-H Design Gallery" to be displayed at the Nebraska State Fair only.

\*All garments with at least 60% wool content are eligible for the "Make It With Wool" Award.

### **DIVISION 220 STEAM I - BEGINNER (COUNTY ONLY)**

#### **CLASSES:**

- **C220901 Clothing Portfolio** – Complete at least three different samples/activities from Chapter 2 OR Chapter 3 of the project manual. The Portfolio should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover, dividers, and table of contents. (Additional pages can be added each year but should be dated.) See pages 9-10 for portfolio formatting.
- **C220902 Sewing Kit** – Include a list of sewing notions and purpose for each included. (pg. 12-17 in project manual)
- **C220903 Fabric Textile Scrapbook** – Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. See project manual for fabric suggestions.
- **C220904 What's The Difference** – 4-H members enrolled in STEAM Clothing 1 may enter an exhibit (not to exceed 22" x 30') a notebook, poster, small display sharing a project comparison and price point. See project manual, "What's the Difference?" page 118-119. Exhibits should include pictures NO actual pillows.
- **C220905 Clothing Service Project** – Can include pillows or pillow cases but are not limited to. Exhibit (not to exceed 22" x 30') a notebook, poster, small display sharing information you generated in the project activity "Serving A Purpose" page 124 and 125.
- **C220909 Chair Caddy SSF - Level 2**
- **C220910 Sleeping bag for Doll - Level 2**
- **C220911 Patchwork for Pillow-Level 2**
- **C220912 Pillow Stripes- Level 2**
- **C220913 Tote Bag- Level 2**
- **C220914 Belt Bag- Level 2**
- **C220915 Windsock- Level 3**
- **C220916 Diagonal Patchwork Pillow-Level 3**
- **C220917 Wall organizer-Level 3**
- **C220918 Football Pillow-Level**
- **C220919 Sew for fun pillow- Level 3**
- **C220920 Fanny Pack- Level 3**
- **C220921 Simple Bottoms**
- **C220922 Simple Top**
- **C220923 Upcycled Simple Garment** - (The original item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. A "BEFORE" picture and a description of the redesign process must accompany the entry or it will be disqualified.
- **C220924 Upcycles Accessory** - A wearable accessory made from a used item. The item used must be changed in some way in the "redesign" process. A "BEFORE" picture and a description of the redesign process must accompany the entry or it will be disqualified.
- **C220925 Beginning Embellished Garment** - Create a garment using beginning techniques as defined in the project manual. Designs are the original idea of the 4-Her using the elements and principles of design to make an original statement.

- **C220926 Beginning Textile Clothing Accessory** - Accessory is constructed and/or decorated using techniques as defined in the project manual. Entry examples include: hats, bags, scarves, gloves, aprons etc.

#### **DIVISION 220 GENERAL CLOTHING**

4-H members in all skill levels may exhibit in this area.

##### **CLASSES:**

- **C220001 Clothing Portfolio (SF20)** – Complete at least four different samples/activities from Chapters 2, 3 OR 4 of the STEAM Clothing 2 project manual. The Portfolio should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. Portfolio should build upon itself each year (additional pages can be added each year, but should be dated.) See pages 9-11 in STEAM Clothing 2: Simply Sewing project manual for portfolio formatting.
- **C220002 Textile Science Scrapbook (SF20)** – Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in STEAM Clothing 2: Simply Sewing project manual to identify fabric swatches. Completed textile cards should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. Textile Science Scrapbook should build upon itself each year (additional pages can be added each year, but should be dated). See project manual for fabric suggestions.
- **C220003 Sewing For Profit (SF63)** - Using page 161-167 in the STEAM Clothing 2: Simply Sewing project manual, display what products you posted online and analyze the cost of goods purchased to determine the appropriate selling price for your product. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".

#### **DIVISION 221 BEYOND THE NEEDLE**

**4-H members must show their own original creativity.**

##### **CLASSES:**

- **C221001 Design Portfolio (SF20)** – A portfolio consisting of at least three design samples or activities. Refer to the Beyond the Needle project manual for activity ideas. The Portfolio should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. (Additional pages can be added each year but should be dated.) See pages 14-16 in the Beyond the Needle project manual for portfolio formatting.
- **C221002 Color Wheel (SF20)**– Create your own color wheel, complimentary color bar or color scheme using pages 27-39 in the Beyond the Needle project manual. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".
- **C221003 Embellished Garment With Original Design (SF26)** (Eligible for State Fair Fashion Show) - Create a garment using techniques as defined in the project manual. Designs are the original idea of the 4-Her using the elements and principles of design to make an original statement. A Design Data Card must be included with this project. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.
- **C221004 Original Designed Fabric Yardage (SF26)** - Fabric yardage is designed using techniques such as those found in the manual. Other embellishments may be added. Exhibit consists of at least one yard of finished fabric. If additional information is not included, exhibit will be lowered one ribbon placing. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.
- **C221005 Item (garment or non-clothing item) Constructed From Original Designed Fabric (Only garments are eligible for State Fair Fashion Show) (SF26)** - Fabric yardage is designed first, then an item is constructed from that fabric. Other embellishments may be added. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.
- **C221006 Textile Arts Garment or Accessory (Garment**

eligible for State Fair Fashion Show) (SF26) - A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. A description of the design process must accompany the entry. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.

- **C221007 Fashion Accessory** (Not eligible for State Fair Fashion Show) (SF26) - An accessory designed and/or constructed using elements and principles of design and basic skills; can be textile or non-textile based. Example: shoes, strung bracelet/necklace, wire wrapping, scarves, flip flops, design on tennis shoes, etc. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.
- **C221008 Wearable Technology Garment or Accessory** (Garment is eligible for State Fair Fashion Show) (SF26) - Technology is integrated into the garment or accessory in some way (Example: LEDs, charging capabilities, sensors, and etc.) The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.

### **DIVISION 222 UNIT 2 STEAM CLOTHING 2: SIMPLY SEWING**

Exhibits entered in this project must reflect at least one new skill learned from this manual (see project manual skill-level list). A list of skills is available at <https://go.unl.edu/ne4hclothing>.

Garments as listed below may be made from any woven or knit fabric appropriate to the garment's design and should demonstrate sewing skills beyond STEAM Clothing 1.

#### **CLASSES:**

- **C222001 Design Basics, Understanding Design Principle** (SF20) – 4-H members enrolled in STEAM Clothing 2 may enter an exhibit sharing a learning experience from pages 17-20 in the project manual. Include answers to questions found on page 20 of the manual. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".
- **C222002 Pressing Matters** (SF20) – 4-H Members enrolled in STEAM Clothing 2 may enter a ham or sleeve roll from pages 21-25 "A Pressing Matter" in the STEAM Clothing 2 project manual. Exhibit should include answers to lesson questions that are most appropriate to include.
- **C222003 Upcycled Garment** (Eligible for State Fair Fashion Show) (SF28) – Create a garment from used textile based items. The original used item must be redesigned (not just decorated) using skills learned in STEAM Clothing 2 in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A Design Data Card must be included with this project including a "before" picture no larger than 4.25" x 5.5". If additional information is not included, exhibit will be lowered one ribbon placing. A list of skills by project and the Design Data Card are available at <https://go.unl.edu/ne4hclothing>.
- **C222004 Upcycled Clothing Accessory** (Not eligible for State Fair Fashion Show) (SF28) – A wearable accessory made from a used item. The original used item must be redesigned using skills learned in STEAM Clothing 2 (not just decorated) in some way to create a new wearable accessory. The finished garment must reflect at least one skill learned in this project. A list of skills is available at <https://go.unl.edu/ne4hclothing>. A Design Data Card must be included with this project including a "before" picture no larger than 4.25" x 5.5". The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.
- **C222005 Textile Clothing Accessory** (Not eligible for State Fair Fashion Show) (SF28) - Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 2. A list of skills is available at <https://go.unl.edu/ne4hclothing>. Entry examples include: hats, bags, scarves, gloves. No metal, plastic, paper or rubber base items allowed (i.e.

barrettes, headbands, flip flops, duct tape, etc.)

- **C222006 Top** (Not eligible for State Fair Fashion Show) (SF28) - (vest acceptable)
- **C222007 Bottom** (Not eligible for State Fair Fashion Show)- (SF28) - (pants or shorts)
- **C222008 Skirt** (Not eligible for State Fair Fashion Show) (SF28)
- **C222009 Lined or Unlined Jacket** (Not eligible for State Fair Fashion Show) (SF28)
- **C222010 Dress** (Eligible for State Fair Fashion Show) (SF28) (not formal wear)
- **C222011 Romper or Jumpsuit** (Eligible for State Fair Fashion Show) (SF28)
- **C222012 Two-Piece Outfit** (Eligible for State Fair Fashion Show) (SF28)
- **C222013 Alter Your Pattern** (SF28) - (Eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit) - Garment constructed from a significantly altered pattern. Entry must include both the constructed garment and the altered pattern. Include information sheet that describes: 1) how the pattern was altered or changed, 2) why the changes were needed/wanted. Appropriate skills for altering/designing a pattern in STEAM 2 include: moving darts, merging two patterns together, altering a pattern for a woven or knit material, adding a lining)
- **C222014 Garment Constructed from Sustainable or Unconventional [natural or synthetic] fibers** (Eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit) (SF28) - Fabric/Fibers used in this garment have to be manufactured/purchased, for example: bamboo, banana, corn husk, and recycled fibers. Garments that are constructed out of the unconventional items themselves should be exhibited under Beyond the Needle.

### **DIVISION 223 STEAM CLOTHING 3: A STITCH FURTHER CLASSES:**

- **C223001 Upcycled Garment** (Eligible for State Fair Fashion Show) (SF28) – Create a garment from used textile based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A list of skills is available at <https://go.unl.edu/ne4hclothing>. A Design Data Card must be included with this project including a “before” picture no larger than 4.25” x 5.5”. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.
- **C223002 Upcycled Clothing Accessory** (Not eligible for State Fair Fashion Show) (SF28) – A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. A list of skills is available at <https://go.unl.edu/ne4hclothing>. A Design Data Card must be included with this project including a “before” picture no larger than 4.25” x 5.5”. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, exhibit will be lowered one ribbon placing.
- **C223003 Textile Clothing Accessory** (Not eligible for State Fair Fashion Show) (SF28) - Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 3. A list of skills is available at <https://go.unl.edu/ne4hclothing>. Entry examples include: hats, bags, scarves, gloves. No metal, plastic, paper or rubber base items allowed (i.e. barrettes, headbands, flip flops, duct tape, etc.)
- **C223004 Dress or Formal** (Eligible for State Fair Fashion Show) (SF28)

- **C223005 Skirted Combination** (Eligible for State Fair Fashion Show) (SF28) - skirt with shirt, vest or jacket OR jumper and shirt
- **C223006 Pants or Shorts Combination** (Eligible for State Fair Fashion Show) (SF28) - pants or shorts with shirt, vest or jacket
- **C223007 Romper or Jumpsuit** (Eligible for State Fair Fashion Show) (SF28)
- **C223008 Specialty Wear** (Eligible for State Fair Fashion Show) (SF28) - includes: swim wear, costumes, hunting gear, or chaps
- **C223009 Lined or Unlined Jacket** (Eligible for State Fair Fashion Show) (SF28) - non-tailored
- **C223010 Coat, Blazer, Suit Jacket or Outerwear** (Eligible for State Fair Fashion Show) (SF28) - A tailored blazer or suit jacket or coat. Wool entries must have the fiber content listed on the identification label to be considered for the Make It With Wool Award.
- **C223011 Alter/Design Your Pattern** (SF28) - (Eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit) – Garment constructed from a significantly altered pattern. Entry must include both the constructed garment and the altered pattern. Include information sheet that describes: 1) how the pattern was altered or changed, 2) why the changes were needed/wanted. Appropriate skills for altering/designing a pattern in STEAM 3 include: moving darts, adding a zipper, merging two patterns together, altering a pattern for a woven or knit material, adding a lining, designing your own pattern).
- **C223012 Garment Constructed from Sustainable or Unconventional [natural or synthetic] fibers** (Eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit) (SF28) - Fabric/Fibers used in this garment have to be manufactured/purchased, for example; bamboo, banana, corn husk, and recycled fibers. Garments that are constructed out of the unconventional items themselves should be exhibited under Beyond the Needle.

**Rules:**

1. Exhibits entered in this project must reflect at least one new skill learned from this manual (see project manual skill-level list). A list of skills is available at <https://go.unl.edu/ne4hclothing>. Garments as listed may be made from any pattern or any fabric and should demonstrate sewing skills beyond STEAM Clothing 2. Entry consists of complete constructed garments only. Wool entries must have the fiber content listed on the identification label.

**Resources:**

**STEAM Clothing**

Understand the basic of sewing; Understand textiles through science experiments; Learn about how textiles are engineered into garments; Build upon the sewing basics learned in STEAM 1; Focus on advanced engineering techniques; Learn about finishing touches and style to garments; Learn the basics on how to build a business; Learn new technological options available in sewing; Discover the science behind textiles and fabrics; Learn about complex patterns and difficult fabrics; Market garments as a business; Learn design basics; Create embellishments and treatments; Learn about the art of clothing construction

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/37](https://4hcurriculum.unl.edu/index.php/main/program_project/37)

## KNITTING AND CROCHET

The purpose of this category is to establish basic to advanced crochet and knitting skills. In addition, projects in this category require 4-H'ers to select adequate yarn and make design decisions. For more resources and materials in this category refer to the resource section at the bottom of the page.

**Rules:**

**1. Entry Tags:** Every exhibit must be described on the appropriate entry tag accompanying it (for example: blue afghan, yellow sweater, crocheted gray elephant). Attach the entry tag securely to the exhibit using straight pin or safety pins (no paper clips).

**2. Identification Labels:** Each item entered as a knitting or crochet exhibit must have a label attached stating: County, Exhibitor's name and age, project name and class in which exhibit is entered, and the number of years enrolled in the project exhibited. Wool entries must have the fiber content listed on the identification label. Attach a label on every component of the exhibit using safety pins or by basting. Not responsible for unlabeled items.

**3. Preparation of Exhibits:** Knitted and Crocheted exhibits should be entered in the most appropriate manner for the exhibit.

**4. Removal of Entries:** Entries may not be removed for use in any other State Fair activity including State Fair Fashion Show.

**5. General:** Garments as listed may be made for self (4-H member) or another person. All knitted and crocheted items will be displayed together or by county. 4-H'ers enrolled in knitted and crocheted projects should continue their skill development. Once you have exhibited in a higher level, you are not eligible to exhibit in a lower level. Ex. Once you exhibit in Knitting Level 3, you are not eligible to exhibit in Knitting Level 2.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hknitting-crocheting>.

**Special Awards:**

\***Premier 4-H Science Award** is available in this area. Please see General Rules for more details.

\***4-H Design Gallery** All garments and accessories will be juried to be selected for the 4-H Design Gallery at the Nebraska State Fair.

\***Make It With Wool Award** All garments with at least 60% wool content are eligible for this award.

**DIVISION 225 KNITTING**

**CLASSES:**

●**C225001 Level 2 Knitted Clothing** (SF60) (Garment eligible for State Fair Fashion Show) – Knitted item or garment using pattern stitches such as diamond, block, twist or seed/moss stitches. Basic stitches [including: Knit (K), Purl (P), Slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo)] to form patterns

●**C225002 Level 2 Knitted Home Design & Restoration Item** (SF60) - Knitted Item using basic stitches [including: Knit (K), Purl (P), Slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo)] to form patterns.

●**C225003 Arm or Finger Knitted Item** (SF60) - Clothing or Home Design & Restoration Item

●**C225004 Loom Knitted Item** (SF60) - Clothing or Home Design & Restoration Item

●**C225005 Level 3 Knitted Clothing** (SF60) (Garment eligible for State Fair Fashion Show) – Knitted item or garment made from advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, tamerna, plait, germaine, feather and fan or knitting with one or more patterns such as Aran or Fair Isle, made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting

●**C225006 Level 3 Knitted Home Design & Restoration Item** (SF60) - Knitted item made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting.



● **C225007 Level 3 Machine Knitting (SF60)**

1. All knitted items will be displayed in the clothing area.
2. Criteria for judging knitting: Design and Color, Neatness, Knitting Mechanics, Trimmings, and Constructions Finishes.
3. A Fiber Arts knitting data card is available at <https://go.unl.edu/ne4hclothing>. Each knitted exhibit must include the following information on the fiber arts data card with the entry tag or exhibit will be lowered one ribbon placing:

- \* Why did you choose to create this exhibit?
- \* What steps did you take as you created this exhibit?
- \* What were the most important things you learned?
- \* Gauge-Number of rows per inch; number of stitches per inch.
- \* Size of needles, finger knitted, arm knitted, loom or machine knitted
- \* Kind of yarn – weight and fiber content.
- \* Names of stitches used.

**DIVISION 226 CROCHET**

**CLASSES:**

● **C226001 Level 2 Crocheted Clothing (SF61)** (Garment eligible for State Fair Fashion Show) - Crochet garment using basic stitches [including: chain, single, double, half-double, treble] to form patterns

● **C226002 Level 2 Crocheted Home Design & Restoration Item (SF61)** - Crochet item using basic stitches [including: chain, single, double, half-double, treble] to form patterns

● **C226003 Level 3 Crocheted Clothing (SF61)** (Garment eligible for State Fair Fashion Show) - Crochet garment using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.

● **C226004 Level 3 Crocheted Home Design & Restoration Item (SF61)** - Crochet item using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.

**Rules:**

1. All crochet items will be displayed in the clothing area.
2. Criteria for judging crochet: Design and Color, Neatness, Crochet Mechanics, Trimmings, and Construction Finishes.  
Scoresheet SF61 for all classes Information Sheet must be included for all classes in For Crochet.
3. A Fiber Arts crochet data form is available at <https://go.unl.edu/ne4hclothing>. Each crocheted exhibit must include the following information on the fiber arts data card with the entry tag or exhibit will be lowered one ribbon placing:

- \* Why did you choose to create this exhibit?
- \* What steps did you take as you created your exhibit?
- \* What were the most important things you learned?
- \* Gauge and size of hook or type of crocheting tool.
- \* Kind of yarn - weight and fiber content or other material used.
- \* Names of stitches used.

**Resources:**

**Crochet/Knitting**

Learn basic to advanced crochet stitches; Select yarn/thread for crocheting; Learn about blocking and changing colors; Design a new stitch or pattern; Work with other media such as leather, wood and beads; Learn about types of yarn and yarn weights; Develop basic to advanced knitting skills; Combine knitting with garment making; Knit with double-pointed needles

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/37](https://4hcurriculum.unl.edu/index.php/main/program_project/37)

# QUILT QUEST

In Quilt Quest, 4-Hers learn skills as they progress through the project. The least experienced 4-H exhibitor will select fabric, cut, and sew together only squares or rectangles in making the quilt top. They may have additional guidance in piecing the quilt block and layering together the quilt top, inner batting and the quilt bottom. Another person can do the quilting for them.

In the Premier class, the 4-Her has developed skills to be able to do all of the work by himself/herself. This includes pattern and fabric selection, cutting and sewing individual pieces, layering the quilt top/batting/backing together, and quilting. Quilting may be done by hand, by sewing machine or by a commercial-grade quilting machine. After quilting, the 4-Her must finish the quilt by "squaring it up," put binding on the edge, and placing a label on the quilt which provides details about the quilt making process for historical purposes.

## Rules:

1. All entry cards and support information must be attached using a safety pin. **No straight pins.**
2. When judging Quilt Quest exhibits, the judges consider SF209 "Standards for Judging Quilts and Quilted Items."
3. For all classes, 4-Hers can choose fabrics for the quilt by selecting fabric from fabric bolts. 4-Hers may also use "fabric collections" offered by manufacturers in a particular designer or fabric line. Examples of fabric collection include:

- \***Jelly Rolls** are made of (up to) 40 different strips of 2 ½" wide fabric laying on top of one another and rolled up to look like a jelly roll. The fabric is created by one designer or fabric line and compliments each other. In many cases, less skilled 4-Hers find it difficult to cut narrow strips with a rotary cutter and ruler, so this fabric selection may make it easier as they learn.

- \***Honey Buns** are made like the Jelly Rolls with 1 ½" strips of fabrics.

- \***Layer Cakes** are 10" squares of fabric from a manufactured designer or fabric line with different pieces of fabric "layered" on top of one another to look like a piece of cake.

- \***Charm Packs** are made of 5" squares of coordinating fabric and may be tied up with a string or scrap of fabric.

- \***Candies** are 2.5" squares of fabric from a manufactured designer or fabric line.

- \***Turnover** is a collection of coordinating fabrics that are cut into 6" triangles.

- \***Fat Quarters** are ½ yard cuts of fabric which are cut in half to make a rectangle that is approximately 18" x 21". (One half yard of fabric yields 2 fat quarters). The "fat quarter" can be more economical to purchase for a smaller quilt because the purchaser does not have to buy the entire yardage width.

- \***Fabric Kit** is a collection of fabrics cut in large pieces to accommodate the requirements of a particular quilt pattern. The 4-Her must cut out all of the smaller squares, rectangles, etc. to make the quilt top according to the pattern directions.

**After fabric selection, youth can use a variety tools for cutting the fabric and completing the quilt. Cutting into pattern pieces may include hand roller die cutting machines that cut particular shapes which can be applied to fabric. This is allowed in the construction of the quilt.**

- \*A quilted exhibit is made up of at least 3 layers. Exhibits must be quilted or tied through all layers.

- \*Fleece blankets are not eligible in this division.

- \*Quilts must have a permanent label on the back in the bottom right corner with quilter's name and date of completion.

## Eligibility:

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

## Scoresheets, Forms, and Contest Study Materials:

Scoresheets, forms, contest study materials, and additional

resources can be found at <https://go.unl.edu/ne-4hquilting>.

## ALL DIVISIONS 229

### BEGINNING QUILTING-

#### C229001-C229003-COUNTY ONLY CLASSES

##### CLASSES:

- C229001 **My First Quilt** - 4-Her may enter their first quilt in this class, any size.
- C229002 **One Block Project** - Fabric block made and finished, with a border, into a table mat or other small project.
- C229003 **Hand Quilting** - Small project on plain fabric, finished into a useable item hand quilted by the 4-Her. Templates may be used for the quilt design, or they may be hand drawn or traced from other sources. May make into a pillow, wall hanging, or other finished item.

### EXPLORING QUILTS

##### CLASSES:

- C229010 **Exploring Quilts (SF208C)** - Scoresheet for Education Exhibits and Computer Exploration Illustrate some aspect of quilts or quilt making. Examples include, but are not limited to: language arts, quilts of different cultures, chemistry, design, preservation, history, construction, math-conversion of quilt patterns, textiles/fabrics, computerization, entrepreneurship. History may include history of an old quilt or history/research of a particular style of quilt such as Baltimore album quilts or Amish quilts. Exhibit may be a 14 inches x 22 inches poster, notebook, CD, PowerPoint, Prezi, DVD, YouTube, or other technique. All items in an exhibit must be attached together and labeled. NO quilted items should be entered in this class.
- C229030 **Computer Exploration (SF208C)** - Poster or notebook with a minimum of six computer generated quilt designs or color variations on a quilt design. Include information on type of program used, process used to generate designs, or how you used color to create different quilt designs. Size of poster or notebook to be suitable for the exhibit.

### QUILT DESIGN OTHER THAN FABRIC

##### CLASSES:

- C229020 **Quilt Design Other Than Fabric (SF208B)** - Two or three-dimensional item with quilt design made using medium other than fabric, such as wooden quilt block, stained glass, paper, etc.

##### Rules:

Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project. Please note this is the [Home Design & Restoration Information Sheet](#). Exhibits without supporting information will be dropped a ribbon placing.

### BARN QUILTS

##### CLASSES:

- C229021 **Barn Quilt created that is less than 4'x4'** (SF208B)
- C229022 **Barn Quilt created that is 4'x4' or larger** (SF208B)

##### Rules:

Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project. Please note this is the [Home Design & Restoration Information Sheet](#). Exhibits without supporting information will be dropped a ribbon placing.

### QUILTED EXHIBITS

##### CLASSES 40-42:

- C229040 **Wearable Art (SF208A)** - Quilted clothing or clothing accessory which must have a recognizable amount of quilting and may include fabric manipulation. Quilting must be done by the 4-H member. On a half sheet of 8 1/2 x 11 inch paper, tell how you selected the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.
- C229041 **Intergenerational Quilt (SF208E)** - A quilt made by 4-H member and family members or friends of different

generations. On a half sheet of 8 1/2 x 11 inch paper, include an explanation answering the following questions: A) How was the quilt planned and who did what in the construction of the quilt? B) How did you select the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.? C) What did you learn that you can use on your next project?

●**C229042 Service Project Quilt (SF208)** - A quilt constructed by a 4-H member or group to be donated to a worthy cause. On a half sheet of 8 1/2 x 11 inch paper, include an explanation answering the following questions: A) Why was the quilt constructed and who will receive the donated quilt? B) How did you select the design and fabrics used including whether or not you used a kit, jelly roll, charm squares, etc.? C) What did you do and what was done by others? D) What did you learn that you can use on your next project?

**CLASSES 50 – 52 (SF208A):**

**Pieced quilts made up of squares and/or rectangles**

●**C229050 Small** - length + width = less than 60". This size includes miniature quilts, wall hangings, table runners, placemats (4), and pillows. All items must be quilted. Pillows must have a quilted top, not just pieced patchwork.

●**C229051 Medium** - length + width = 61" to 120"

●**C229052 Large** - length + width = over 120"

**CLASSES 60 – 62 (SF208A):**

**In addition to any of the methods in classes 50–52, quilts may have triangles, and/or may be embroidered.**

●**C229060 Small** - length + width = less than 60". This size includes miniature quilts, wall hangings, table runners, placemats (4), and pillows. All items must be quilted. Pillows must have a quilted top, not just pieced patchwork.

●**C229061 Medium** - length + width = 61" to 120"

●**C229062 Large** - length + width = over 120"

**CLASSES 70 – 72 (SF208A):**

In addition to any of the methods in classes 50–62, quilts may have curved piecing, applique, Celtic style, stained glass style, paper piecing, art quilt style (An art quilt is an original exploration of a concept or idea rather than the handing down of a "pattern". It experiments with textile manipulation, color, texture and/or a diversity of mixed media. An Art Quilt often pushes quilt world boundaries), or other non-traditional styles.

●**C229070 Small:** length + width = less than 60". This size includes miniature quilts, wall hangings, table runners, placemats (4), and pillows. All items must be quilted. Pillows must have a quilted top, not just pieced patchwork.

●**C229071 Medium:** length + width = 61" to 120"

●**C229072 Large:** length + width = over 120"

**Rules:**

\*Please note the description of classes. They denote degree of difficulty in construction and not the number of years in the project. A quilted exhibit consists of 3 or more layers. All quilted exhibits must be quilted (machine or hand) or tied. All quilt piecing and finishing must be the sole work of the 4-H member. Quilting, whether machine or hand quilted, may be done by another individual, except for the Premier Quilt class. No pre-quilted fabric may be used. Wall quilts must have a hanging sleeve on the back of the quilt or some method for hanging. All quilted exhibits must be clean and finished for intended purpose. On a half sheet of 8 1/2 x 11 inch paper, include an explanation answering the following questions: A) How did you select the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.? B) What did you do and what was done by others? C) What did you learn you can use on your next project?

## **PREMIER QUILT**

### **CLASSES:**

- C229080 **Hand Quilted** (SF208A)
- C229081 **Sewing Machine Quilted** (SF208A)
- C229082 **Long Arm Quilted** - non-computerized/hand guided (SF208A)
- C229083 **Long Arm Quilted** - computerized (SF208A)

### **Rules:**

1. Entire quilt is the sole work of the 4-H member, including quilting (hand or machine). The youth may receive guidance but no one else may work on the quilt. Tied quilts are not eligible for this class.

### **Resources:**

#### **Quilt Quest**

Learn about design elements, design principles, and applications; Construct a quilt from start to finish; Explore quilt science applications in other media

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/37](https://4hcurriculum.unl.edu/index.php/main/program_project/37)

## **FASHION SHOW**

The 4-H Fashion Show is an opportunity for youth to showcase their clothing construction and consumer management skills. Construction garment exhibitors are judged on fit, construction, poise, and overall look of the garment on the individual. Shopping In Style exhibitors are judged on garment fit, the overall look of the outfit, and poise, as well as record keeping skills in the written report.

### **Rules:**

1. Registration – Date, Time and Location TBA. Separate dressing rooms will be provided for males and females.
2. Option Rehearsal – Date, Time and Location TBA.
3. Judging – Date, Time and Location TBA – Those 4-H exhibitors modeling constructed garments will be judged for Construction/Fit, Selection/Creativity, and Individual Modeling/Accessories in front of a judge. Those 4-H exhibitors modeling Shopping in Style garments will be evaluated in front of a judge for modeling skill, fit, and appearance of the outfit and accessories, worth 60% of the score. Judging of the completed Shopping in Style Fashion Show Form (SF184, revised 2/2018) will be done prior to the State Fair 4-H Fashion Show. The Shopping in Style Fashion Show Form (SF184, revised 2/2018) is worth 40% of the total score and is judged on content, completeness, accurate information, and neatness.
4. Parents are not allowed past the registration table, in the dressing rooms, or judging areas. There are volunteers/assistants in the dressing rooms to help the 4-H exhibitors if necessary.
5. The Public 4-H Fashion Show(s) – Date, Time and Location TBA.
6. Results - All ribbons and scoresheets will be distributed as the exhibitors leave the event. Results will be posted on the web.
7. Fashion Show/Clothing Exhibits – Garments modeled in the 4-H Fashion Show can NOT be entered as Clothing Construction Exhibits.
8. Garments should be age appropriate.
9. Entries Not Accepted – The following items can NOT be entered in the State Fair 4-H Fashion Show.

\*Textile clothing accessories

\*Garments containing inappropriate language or images

### **Eligibility:**

Advanced Entry - Must be submitted to the State 4-H Office by **August 10th** with all the other advance entries. Check the master schedule. These are the requirements:

\*All 4-H exhibitors in the Fashion Show must be registered in advance via the online State Fair entry process by the deadline

(The Fashion Show is considered a contest and exhibitors must be entered by the August 10 deadline).

\*A completed 4-H Constructed Garment Fashion Show Form (SF24) must be mailed to Jacie Milius in Gage County by the advanced entry deadline OR the form may be filled out online at <https://go.unl.edu/ne4-hsffashionshowconstructedgarmentsf24>. (NOTE: Fabric swatches are still required to be mailed to Jacie Milius.) Her information can be found here at <https://epd.unl.edu/profile/jmilius2>. The Form SF24 is available online, check the 4-H State Fair Book.

\*The 4-H Shopping In Style Fashion Show Form (SF184, revised 2/2018) must be sent to the Stacey Keys in Burt County by the advanced entry deadline OR the form may be filled out online at <https://go.unl.edu/ne4-hsffashionshowshoppinginstylesf184>. Only the most current written report with narration will be accepted. Must include a photo (print, digital, or photocopy is acceptable). Her information can be found here: <https://epd.unl.edu/profile/s-skeys2>.

\*The county extension staff must give the State Fair 4-H Fashion Show Exhibitor letter to the 4-H exhibitors participating in the State Fair 4-H Fashion Show.

#### **State Quota:**

#### **Consumer & Family Science:**

\***Exhibitor:** Only one entry per class per exhibitor

\***County:** Up to 7 constructed garment entries

#### **Shopping in Style:**

\***Exhibitor:** Only one entry per class per exhibitor

\***County:** Up to 3 purchased outfit entries

#### **Scoresheets, Forms, and Contest Study Materials:**

Scoresheets can be found at: Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4-hfashionshow>.

#### **Special Awards:**

**4-H Design Gallery** - Up to 4 constructed garments will be selected for display in the 4-H Design Gallery at the Nebraska State Fair.

**Make It With Wool Award** - All garments with at least 60% wool content will be considered for the Make It With Wool Award.

**Shopping in Style Fashion Show Award** - Up to 2 Shopping in Style exhibitors will be selected to receive top awards.

#### **DIVISION 410 FASHION SHOW**

#### **CLASSES:**

● **C410008** COUNTY ONLY Modeled Beyond the Needle Accessory

● **C410009** COUNTY ONLY Modeled Constructed STEAM I

● **G998001** COUNTY ONLY Clover Kid Fashion Show

**Participant** -model your favorite outfit or accessory- does not need to be handmade.

● **C410010** Modeled "Beyond the Needle" Embellished Garment(s) with an Original Design (SF117) - Garment is created using intermediate or advanced techniques as defined in the project manual. Designs are the original idea of the 4-H member using the elements and principles of design to make an original statement.

● **C410015** Modeled "Beyond the Needle" Garment Constructed From Original Designed Fabric (SF117) - Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added.

● **C410020** Modeled "Beyond the Needle" Textile Arts Garment(s) (SF117) - Garment is constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape.

● **C410025** Modeled "Beyond the Needle" Wearable Technology Garment (SF117) - Garment has integrated technology into its design.

● **C410030 Modeled Constructed STEAM Clothing 2 Garment**

(s) (SF117) - 4-H members who have enrolled in or who have completed STEAM Clothing 3 projects are not eligible to enter STEAM Clothing 2. Possible types of STEAM Clothing 2 garments include:

\*Dress; OR

\*Romper or Jumpsuit; OR

\*Two-Piece Outfit Combination (skirt with top, vest, or lined/unlined jacket; jumper and top; pants or shorts outfit (pants or shorts with top, vest, lined/unlined jacket) or a purchased top can be worn to complete a vest or lined/unlined jacket outfit with a constructed bottom; OR

\*Upcycled Outfit Combination - must contain a complete constructed outfit (examples: if the top is upcycled, must include a constructed bottom, upcycled dress).

● **C410040 Modeled Constructed STEAM Clothing 3 Garment**

(s) (SF117) - Possible types of STEAM Clothing 3 garments include:

\*Dress or formal; OR

\*Skirted Outfit Combination (skirt with top, vest, lined/unlined jacket OR jumper and shirt) A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants or shorts.; OR

\*Pants or Shorts Outfit Combination (pants or shorts with top, vest, lined/unlined jacket) A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants or shorts.; OR

\*Romper or Jumpsuit; OR

\*Specialty Wear (swim wear, costumes, western wear-chaps, chinks, riding attire or hunting gear); OR

\*Non-tailored Lined or Unlined Jacket or Coat, additional pieces with jacket or coat may either be constructed or purchased.; OR

\*Tailored Coat, Blazer, Suit Jacket, or Outerwear. Additional pieces with coat, blazer, jacket or outerwear may either be constructed or purchased; OR

\*Upcycled Outfit Combination - must contain a complete constructed outfit (examples: if the top is upcycled, must include a constructed bottom, upcycled dress).

● **C410050 Modeled Knitted or Crocheted Clothing (Level 2 or 3)**

(SF117) - Knitted garment using pattern stitches such as diamond, block, twist or seed moss stitches or advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, tamerna, plait, germaine, feather and fan or knitting with one or more patterns such as Aran or Fair Isle. Crocheted garment using pattern stitches such as texture, shell, cluster or mesh stitches or advance crochet stitches such as afghan, broomstick, hairpin lace, design motifs or pattern stitches. The garment can be a sweater, cardigan, dress, coat, a top and bottom, or a two-piece ensemble.

● **C410060 Modeled Shopping In Style Purchased Outfit and Written Report**

(SF184) - Participants must be enrolled in the Shopping In Style 4-H Project to enter. The curriculum is developed and designed for youth ages 9 and older to help them strengthen their consumer skills when purchasing clothing. Participants must model a complete outfit. All pieces of the garment must be purchased.

**Resources:**

**Crochet/Knitting**

Learn basic to advanced crochet stitches; Select yarn/thread for crocheting; Learn about blocking and changing colors; Design a new stitch or pattern; Work with other media such as leather, wood and beads; Learn about types of yarn and yarn weights; Develop basic to advanced knitting skills; Combine knitting with garment making; Knit with double-pointed needles

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/37](https://4hcurriculum.unl.edu/index.php/main/program_project/37)

**STEAM Clothing**

Understand the basic of sewing; Understand textiles through

science experiments; Learn about how textiles are engineered into garments; Build upon the sewing basics learned in STEAM I; Focus on advanced engineering techniques; Learn about finishing touches and style to garments; Learn the basics on how to build a business; Learn new technological options available in sewing; Discover the science behind textiles and fabrics; Learn about complex patterns and difficult fabrics; Market garments as a business; Learn design basics; Create embellishments and treatments; Learn about the art of clothing construction

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/37](https://4hcurriculum.unl.edu/index.php/main/program_project/37)

## HERITAGE

The purpose of the 4-H Heritage project is to acquire knowledge, develop a connection to the past and share the story of a 4-H member's heritage and history around them. An exhibit may include items, pictures, maps, charts, recordings, drawings, illustrations, writings, or displays that depict the heritage of the member's family or community or 4-H history.

### Rules:

1. An exhibit of items, pictures, maps, charts, slides/tapes, drawings, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history. Please note: Exhibits are entered at 4-Hers own risk. We will not be responsible for loss or damage to family heirloom items or any items in this division.
2. Displays should not be larger than 22" x 28" wide. If the size needs to be a different size because the historical item is larger than 22" x 28" please contact the superintendents for approval. Display collections securely in an attractive container no larger than 22" x 28". Each county may enter a maximum of 3 exhibits per class from the Family Folklore and/or Foodways projects.
3. Exhibits must include NAME, COUNTY, AGE & PAST EXPERIENCE (years in Explore Your Heritage, Family Folklore or Foodways projects) on back of exhibit.
4. All entries must have documentation included. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Premier 4-H Science Award is available in this area. Please see General Rules for more details. Scoresheet—Explore Your Heritage (SF71)

### Eligibility:

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

### Scoresheets, Forms, and Contest Study Materials:

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hheritage>.

### Special Awards:

Premier 4-H Science Award is available in this area. Please see General Rules for more details.

## DIVISION 101 HERITAGE LEVEL 1: BEGINNING

### CLASSES:

- **A101001 Heritage Poster or Flat Exhibit (SF71)** - Entries may be pictures, posters, items that depict family heritage. Exhibits must be supported by a written explanation.
- **A101002 – Family Genealogy/History Notebook (SF71)** - Include pedigree charts/family group sheets, with documentation for two-three generations of one family line, expanding each year. If multiple books included in exhibit, only bring book with most current year's work.
- **A101003 Local History Scrapbook/Notebook (SF71)** - Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- **A101004 Framed Family Groupings (or Individuals) of Pictures Showing Family History (SF71)** - Pictures must be supported by a written explanation.
- **A101005 Other Exhibits Depicting the Heritage of the Member's Family or Community (SF71)** - Exhibit must be



supported by a written explanation. May include, biographical album of themselves or another family member, family cookbooks, etc.

- **A101006 4-H History Scrapbook (SF71)** - A scrapbook relating 4-H history of local club or county. Must be work of individual 4-H'er - no club project. If multiple books included in exhibit, only bring book with most current year's work.
- **A101007 4-H History Poster (SF71)** - Poster relating 4-H history of local club or county or individual.
- **A101008 Story or Illustration about a Historical Event (SF71)**
- **A101009 Book Review about Local, Nebraska or Regional History (SF71)**
- **A101010 Other Historical Exhibits (SF71)** - attach an explanation of historical importance.
- **A101011 Family Traditions Book (SF71)** - Exhibitor scrapbook depicting family traditions of the past.
- **A101012 Family Traditions Exhibit (SF71)** - Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.
- **A101013 4-H Club/County Scrapbook (SF71)** - Scrapbook relating 4-H history of local club or county compiled by club historian. If multiple books included in exhibit, only bring book with most current year's work.
- **A101014 4-H Member Scrapbook (SF71)** - Scrapbook relating to individual 4-H members' 4-H history. If multiple books included in exhibit, only bring book with most current year's work.
- **A101015 Special Events Scrapbook (SF71)** - A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal or family special event, such as a trip, family reunion, etc.

**Rules:** (1-4 years in project)

#### **DIVISION 102 HERITAGE LEVEL 2: ADVANCED**

##### **CLASSES:**

- **A102001 Heritage Poster or Flat Exhibit (SF71)** - Entries may be pictures, posters, items, etc. that depict family heritage. Exhibits must be supported by a written explanation.
- **A102002 Family Genealogy/History Notebook (SF71)** - Include pedigree charts/family group sheets, with documentation beyond two-three generations of one family line, expanding each year. If multiple books included in exhibit, only bring book with most current year's work.
- **A102003 Local History Scrapbook/Notebook (SF71)** - Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- **A102004 Framed Family Groupings (or Individuals) of Pictures Showing Family History (SF71)** - Pictures must be supported by a written explanation.
- **A102005 Other Exhibits Depicting the Heritage of the Member's Family or Community (SF71)** - Exhibit must be supported by a written explanation. May include, biographical album of themselves or another family member, family cookbooks, etc.
- **A102006 4-H History Scrapbook (SF71)** - A scrapbook relating 4-H history of local club or county. Must be work of individual 4-H'er - no club project. If multiple books included in exhibit, only bring book with most current year's work.
- **A102007 4-H History Poster (SF71)** - Poster relating 4-H history of local club or county or individual.
- **A102008 Story or Illustration about a Historical Event (SF71)**
- **A102009 Book Review about Local, Nebraska or Regional**

## History (SF71)

- **A102010 Other Historical Exhibits (SF71)** - attach an explanation of historical importance.
- **A102011 Exhibit Depicting the Importance of a Community or Nebraska Historic Landmark (SF71)**
- **A102012 Community Report** - documenting something of historical significance from past to present (SF71).
- **A102013 Historic Collection (SF71)** - displayed securely and attractively in a container no larger than 22" x 28".
- **A102014 Video Documentary of a Family or a Community Event (SF71)** - Must be produced and edited by 4-H member. Must be entered as a DVD or USB.
- **A102015 4-H Club/County Scrapbook (SF71)** - Scrapbook relating 4-H history of local club or county compiled by club historian. If multiple books included in exhibit, only bring book with most current year's work.
- **A102016 4-H Member Scrapbook (SF71)** - Scrapbook relating to individual 4-H members' 4-H history. If multiple books included in exhibit, only bring book with most current year's work.
- **A102017 Special Events Scrapbook (SF71)** - A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal or family special event, such as a trip, family reunion, etc.

**Rules:** (over 4 years in project)

### Resources:

#### Heritage

Learn about the origins of your family or traditions; Find the stories in family photographs; Identify family keepsakes

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/47](https://4hcurriculum.unl.edu/index.php/main/program_project/47)

## HOME DESIGN & RESTORATION (FORMERLY HOME ENVIRONMENT)

The purpose of Home Design & Restoration is to learn design principles and develop graphic design techniques. In addition, activities in this category encourage well-thought-out design plans and diverse artistic techniques. Be sure to take note of the rules section to develop a successful project.

### Rules:

Home Design & Restoration Exhibits are evaluated by these criteria:

1. **Items must be designed to be used for home decorating, home furnishing or home management (no clothing, purses, note cards, scrapbooks/photo albums, etc.).**
2. Accessories should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday-specific items are discouraged. **Exhibits made from kits are also discouraged as kits limit decision making in the design process. Exception - Design My Space.**
3. Items should show creativity and originality, along with the application of design elements and principles. Youth are required to include the design elements and principles they used, along with simple explanation of how they designed directions for how they made their project with their exhibit. Information on the elements and principles of design may be found in the Design Decisions manual, as well as Portfolio Pathways and Sketchbook Crossroads.
4. Entered in correct class: What medium was changed or manipulated? What medium is the majority of your exhibit made from?
5. Items should be ready for display in the home: pictures framed, wall hangings and pictures ready to hang etc. No single mat board or artist canvas panels allowed. Wrapped canvas (if staples not visible on edge) is accepted without framing. Make sure hangers

are strong enough to support the item. Command Strips are not adequate hangers. Items not ready for display will be dropped one ribbon placing.

6. Items should not be made for beginning level or other projects (ex: simple (10 minute) table runners or woodworking). Exhibits from the beginning level project, Design My Place, are county only and not state fair eligible.
7. Size of Exhibits: Exhibits may be no taller than 7 feet and no wider than 6 feet. All exhibits must be easily lifted by two 4-H staff.
8. Number of Entries per Individual: (State Level) One entry per exhibitor per class. **STATE FAIR EXHIBITORS**—Limit of two entries in ALL home design and restoration projects per exhibitor.
9. Entry Tags: An entry tag which includes a clear description of the entry must be securely attached to each exhibit. Use color, pattern or picture descriptions to aid in identification. No straight pins.
10. Identification: In addition to the entry tag, a label with the exhibitor's name and county should be attached to each separate piece of the exhibit.
11. Supporting Information: Supporting information is required for all exhibits. Information must include elements or principles of design used and steps taken to complete project. Tag templates can be found at <https://go.unl.edu/ne-4hhomeenvironment>. Exhibits without supporting information will be dropped a ribbon placing.

#### **Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

#### **State Quota:**

#### **Design Decisions:**

- \***Exhibitor:** Only one entry per class per exhibitor
- \***County:** Up to 5 entries per division

#### **Heirloom Treasures:**

- \*There is no quota.

**County Fair Number of Entries per Individual** - Three entries per class.

#### **Scoresheets, Forms, and Contest Study Materials**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne-4hhomeenvironment>.

#### **Special Awards:**

Special exhibits will be selected for the Design Gallery at Nebraska State Fair from this project area.

### **DIVISION 255 DESIGN MY SPACE (COUNTY ONLY)**

#### **CLASSES:**

- **C255001 Simple Fabric Accessory (SF200)** - pillow, laundry bag, pillowcase, table runner, etc.
- **C255002 Accessory Made with Original Batik/Tie Dye (SF200)**
- **C255003 Simple Accessory Made Using Wood (SF200)**
- **C255004 Simple Accessory Made Using Plastic (SF200)**
- **C255005 Simple Accessory Made Using Glass (SF200)**
- **C255006 Simple Accessory Made Using Clay (SF200)**
- **C255007 Simple Accessory Made Using Paper (SF200)**
- **C255008 Door Hanger, Wreath, Fabric Wall Hanging**
- **C255009 Coasters (SF200)** - any technique or base material
- **C255010 Art Made with a Kit** - paint by number, diamond art, etc.
- **C255011 Terrific Table** - Item(s) created to accessorize a table. Can include tablecloth, napkins, placemats, mug mats, etc.
- **C255012 Sanding, Painting, Staining, Varnishing** - Exhibit a wooden item where you finished or refinished it with techniques learned on pg. 42-45.

- **C255013 Problem Solved: Using a creative method to show you solved a problem** (SF200) - air quality, water, sound, temperature, lighting, fire escape plan, etc.
- **C255014 Other Exhibits** - Miscellaneous 4-H projects that do not fit within design principles and develop graphic design techniques for the home. Examples include but are not limited to club reports, scrapbook of club news reports, club scrapbook, etc. Please describe on pre-entry form.

## DIVISION 257 DESIGN DECISIONS

### CLASSES:

- **C257001 Design Board for a Room** (SF 201) - Include: color scheme, wall treatment, floor treatment, etc. OR floor plan for a room. Posters, 22" x 28", or multimedia presentation (on CD). Show what you learned with before and after pictures or diagrams, samples, story, cost comparisons, optional arrangements, etc.
- **C257002 Problem solved, Energy savers OR Career exploration** (SF201) – Identify a problem (such as problem windows, storage needs, inconvenient room arrangement, cost comparison, energy conservation, waste management, etc.) OR, explore a career related to home environment. (what would it be, what education is needed, what would you do, etc.). Using poster, notebook, multimedia presentation (on CD) or other method, describe the problem and how it was solved OR your career exploration. (p. 74-93)
- **C257003 Solar, wind, or other energy alternatives for the home** (SF201) – Can be models, either an original creation or an adaptation of kit. If kit, label and explain what was learned and how the item could be used in or on exterior of home. (p. 74-93)
- **C257004 Technology in Design** (SF200) - Incorporate technology into a project related to home environment; for example, using conductive thread to create a circuit that enhances a wall hanging.
- **C257006 Window Covering** (SF200) - May include curtains, draperies, shades, shutters, etc.
- **C257007 Floor Covering** (SF200) – May be woven, braided, painted floor cloth, etc.
- **C257008 Bedcover** (SF200) - May include quilt, comforter, bedspread, dust ruffle, canopy, etc. For quilts, state who did the quilting. (No fleece tied exhibits.) (p. 50-53)
- **C257009 Accessory - Original Needlework/Stitchery**(SF200)
- **C257010 Accessory - Textile - 2D** (SF200) - table cloth or runner, dresser scarf, wall hanging, etc. No tied fleece blankets or beginning/10-minute table runners.
- **C257011 Accessory - Textile - 3D** (SF200) - pillows, pillow shams, fabric bowls, etc. No fleece tied exhibits
- **C257012 Accessory - 2D** (SF200)
- **C257013 Accessory - 3D** (SF200) - string art, wreaths, etc.
- **C257014 Accessory - Original Floral Design** (SF200)
- **C257015 Accessory - Original made from Wood** (SF200) - burn, cut, shape or otherwise manipulate
- **C257016 Accessory - Original made from Glass** (SF200) - etch, mosaic, stain, molten or otherwise manipulate
- **C257017 Accessory - Original made from Metal** - (SF200) - cut, shape, punch, sculpt, reassemble or otherwise manipulate.
- **C257018 Accessory - Original made from Ceramic or Tile** (SF200) - Treatment to exhibit must go through process that permanently alters the medium. Painting alone is not sufficient.
- **C257019 Accessory - Recycled/Upcycled Item for the Home** (SF207) - reuse a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information.

- **C257020 Furniture - Recycled/Remade (SF207)** - made or finished by using a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information.
- **C257021 Furniture - Wood Opaque Finish such as Paint or Enamel (SF203).**
- **C257022 Furniture - Wood Clear Finish Showing Wood Grain (SF203).**
- **C257023 Furniture - Fabric Covered (SF200)** - May include stool, chair seat, slip-covers, headboard, etc.
- **C257024 Furniture - Outdoor Living (SF200)**- Furniture made/refurbished suitable for outdoor use. (NOTE: May be displayed outside). Include description of what was done to recycle or reuse item in your attached information.
- **C257025 Accessory - Outdoor Living (SF200)** - Accessory made/refurbished by 4-H member suitable for outdoor use. (NOTE: May be displayed outside.) Include description of what was done to recycle or reuse item in your attached information.

**Rules:**

Attach information to explain steps taken. Information must also include element or principle of design used (p. 9-12).

**DIVISION 256 HEIRLOOM TREASURES & FAMILY KEEPSAKES**

**CLASSES:**

- **C256001 Trunks (SF206)**- including doll-sized trunks or wardrobes.
- **C256002 An Article - Either a Repurposed "Treasure" (Accessory) from an Old Item or an Old "Treasure" (Accessory) Refinished or Renovated (SF205)** - May include a display of a collection or collectibles, being careful not to destroy value of the collection.
- **C256003 Furniture (SF205)** - either a repurposed "treasure" from an old item or an old "treasure" refinished or renovated. May include doll-sized furniture.
- **C256004 Cleaned and Restored Heirloom Accessory or Furniture (SF205)** - A reconditioned and cleaned old piece of furniture or accessory that is functional for use or display. Item might be cleaned and waxed, and simple repairs made. Item would not be refinished or repainted, but reconditioned to restore it to its original look or to prevent it from further damage as a valuable heirloom. Consult extension publication Care and Conservation of Heirloom Textiles for information on textiles. This publication can be found in the Digital Commons at: <https://go.unl.edu/gcnh> (Refinished items go in classes 2 – 3.) This class is for situations where it may be best to do very little to the item to maintain its antique value. Item or article should be of complexity suited to an advanced project. .

**Rules:**

1. This project area is for items with historic, sentimental or antique value that are restored, repurposed or refinished to keep their original look and value. It is not for "recycled" items. For example, a bench would be considered an heirloom if the original finish is restored, but if decorated by painting it would be considered recycled. Entering highly valuable items (especially small ones) is discouraged, as exhibits are not displayed in closed cases.

2. **NOTE:** Resources to support this project area are available on the 4-H website. Attach information including:

- \*List of steps taken to complete your project. Before and after pictures are encouraged.
- \*Keepsakes documentation: how you acquired the item and the history of the item may be written, pictures, audio or video tape of interview with family member, etc.

**Resources:**

**Home Design & Restoration**

Apply color and design principles using different materials to make

and display objects for your home; Develop original designs; Plan a comfortable, clean, attractive home; Make connections between visual arts and other disciplines; Explore ways to make your house more green; Learn new painting techniques; Design or select furniture, fabric, and storage items for your room; Accessorize a room-design or select unique items such as wall art, wall arrangements, or lamps; Recognize factors that make antiques valuable; Refurbish and restore heirloom or heritage furnishings and accessories; Preserve family heirlooms

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project-48](https://4hcurriculum.unl.edu/index.php/main/program_project-48)

## VISUAL ARTS

With an emphasis on originality, the purpose of the 4-H Visual Arts projects is to practice using design elements and principles while exploring and experimenting with various mediums and techniques. In addition, youth should practice self-expression and work to communicate their personal voice through their work.

### Rules:

1. Original Work - Items must be the original work of the 4-H member and should show creativity and originality. No copyrighted images or master studies.
2. Ready for Professional Display - All exhibits must be presented appropriately for the medium(s) used and ready to be professionally displayed. 2-dimensional pieces on paper should be framed behind glass/plexiglass. Canvas boards should be framed but glass/plexiglass is not necessary. Stretched canvases do not need frames as long as staples are not visible on edges. All 2-dimensional pieces should be ready to hang using a sawtooth or wire hanger.
3. State Entries per Exhibitor: 4-H members may enter up one exhibit per class.
4. Entry Descriptions: Entry tags should include a visual description of the exhibit, including colors, size, dominant color, and subject to aid in identification.
5. Supporting Information: **Supporting information is required for all Visual Arts exhibits.** Information must include responses to all questions and steps taken to complete the project. Supporting information must be securely attached to the back of the piece. Supporting Information tag templates can be found at <https://go.unl.edu/ne-4hvisualarts>. Exhibits with missing or incomplete supporting information will be dropped a ribbon placing.
6. Class Changes: Exhibits must be entered in the appropriate class based on the medium(s) used or theme. No class changes will be made after check-in. Exhibits in inappropriate classes may be dropped a ribbon placing. Supporting information may provide evidence or justification for the piece being entered in a specific class.

### Eligibility:

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

### Scoresheets, Forms, and Contest Study Materials

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne-4hvisualarts>.

### Special Awards:

**On-Campus Exhibition:** State Fair visual arts exhibits may be selected for special on-campus exhibitions. Selected pieces will be collected at the end of State Fair and will be returned to county Extension offices following the on-campus exhibition. Youth whose pieces are selected will be contact directly with additional information including the exhibition and reception dates.

### DIVISION 260 VISUAL ART MEDIUMS

#### CLASSES:

- C260001 Original Acrylic Painting (SF200)
- C260002 Original Oil Painting (SF200)
- C260003 Original Watercolor Painting (SF200)
- C260004 Original Pencil Drawing (SF200)
- C260005 Original Charcoal Drawing (SF200)

- C260006 **Original Ink Drawing** (SF200)
- C260007 **Original Fiber Art** (SF200) - Could include weaved art, dyed fabric, felted wool, cotton linter, batik, etc.
- C260008 **Original Sculpture** (SF200) - Could include Styrofoam, wood, cardboard, paper, metal, wire, etc.
- C260009 **Original Ceramic Pottery** (SF200) - No purchased ceramic pottery. Must be glazed and fired. May be any hand-built technique or wheel thrown. May be functional or non-functional. Could include slab built, pinch pots, coil built, wheel thrown, etc.
- C260010 **Original Painting on Purchased Ceramic Surface** (SF200) - No hand-built or wheel thrown pottery. May be functional or non-functional. Could include figurines, cups, bowls, etc.
- C260011 **Original Single Media Not Listed** (SF200) - Could include digital art, leathercrafting, printmaking, stained glass, pastels, scratchboard, sand painting, encaustic painting, chalk, etc.
- C260012 **Original Mixed Media** (SF200) - Could include any combination of two or more other mediums or materials.

#### **DIVISION 261 VISUAL ART THEMES**

##### **CLASSES:**

- C261001 **Original Art Inspired by Plants or Animals** (SF200) - could involve but is not limited to domestic animals, pets, agriculture, wild animals, wildlife conservation, house plants, fruit, vegetables, flowers, native plants, trees, etc.
- C261002 **Original Art Inspired by Landscapes** (SF200) - could involve but is not limited to rural landscapes, natural environments, man-made environments, urban landscapes, extraterrestrial landscapes, oceanic scenes, buildings, fantasy landscapes, agricultural landscapes, etc.
- C261003 **Original Art Inspired by People** (SF200) - could involve but is not limited to cultural art, modern society, portraits, daily life, careers, families, emotions, etc.
- C261004 **Original Art Inspired by Artist's Choice** (SF200) - could involve but is not limited to food, cars, fantasy worlds, imaginary characters, science-fiction, history, etc.

##### **Rules:**

\*Exhibits may utilize any medium or combination of mediums on any surface. All exhibits must be appropriately presented and ready to be professionally displayed. Artwork should depict the artist's own interpretation of the theme. All exhibits should include an explanation of how the piece reflects the theme and what ideas or thoughts the artist was attempting to express or communicate.

##### **Resources:**

###### **Visual Arts**

Practice drawing, fiber arts, and sculpting; Develop artistic talents and skills; Understand the visual arts in relation to history and culture; Learn painting, printing, and graphic design techniques; Make connections between visual arts and other disciplines

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/51](https://4hcurriculum.unl.edu/index.php/main/program_project/51)

## **CONSUMER MANAGEMENT**

Consumer management helps participants learn more about how to make smart fiscal decisions and how to improve financial literacy. The different exhibits provide a variety of learning experiences for 4-H'ers. Participants in this category will emphasize setting smart goals and keeping a spending plan. For more resources and materials in this category refer to the resource section at the bottom of the page.

##### **Rules:**

\*General Rules

\*All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hconsumermanagement>

**DIVISION 250 MONEY FUN-DAMENTALS (COUNTY ONLY)****CLASSES:**

- **C250001 Comparison Shopping, Page 9** - Considering the differences between your needs and wants on Page 6-9 in manual do comparison shopping for school supplies; OR purchasing a video, going to the movies, or movie rental. (SF2)21
- **C250002 Financial Goals, Page 20-21** - Using your creativity share three of your SMART financial goals in this exhibit. (One of Each: Short term, Intermediate, and Long term) (SF221)
- **C250003 Educational Exhibit, Page 26-27** - Show what you have learned or done in this project through a poster, notebook, or other creative display. (SF221)

**DIVISION 248 MONEY MOVES (COUNTY ONLY)****CLASSES:**

- **C248001 Comparison Chart, Page 23** - Using the comparison chart on Page 23 of the manual do a comparison of financial institutions such as bank, savings and loan, credit unions or other financial institutions on the Web.
- **C248002 Advertisement, Page 26-27** - Make an ad for a product with help of page 26 in your manual.
- **C248003 Web-based Financial Game**, Use your creativity to share the results of one of these web based finance games at: [consumerjungle.com](http://consumerjungle.com).
- **C248004 Champion's Challenge**, Using a calculator on the web (see possible sites on page 14) complete the calculations for number 2 in the Champions' Challenge on page 14.

**DIVISION 249 MAKING CENTS OF IT (COUNTY ONLY)****CLASSES:**

- **C249001** Read the story listed on page 8 and draw and label on an 8 1/2" x 11" sheet at least 5 different objects used as money before coins and paper currency were made.
- **C249002** Make a wants/needs poster (11" X 17") using the information on page 16 of the manual.
- **C249003** Make a decorated bank (see page 28 of the manual).

**DIVISION 247 MY FINANCIAL FUTURE****CLASSES:**

- **C247001 Write 3 SMART financial goals for yourself** (SF247) - (one should be short term, one intermediate, and one long term.) Explain how you intend to reach each goal you set.
- **C247002 Income Inventory** (SF247) - Using page 13 as a guideline, list sources and amounts of income you earn receive over a six-month period. Answer the following questions: What were your income sources? Were there any steady income sources? What did you do with the income you received? Include your income inventory in the exhibit.
- **C247003 Tracking Expenses** (SF247) - Use an app or chart like the one on page 17 to track your spending over 2 months. Answer the following questions: What did you spend most of your money on? What did you learn about your spending habits? Will you make any changes in your spending based upon what you learned? Why or why not? Include your chart in your exhibit.
- **C247004 Money Personality Profile** (SF247) - Complete the money personality profile found on pages 21-22. Answer the following questions: What is your money personality? How does your money personality affect the way you spend/save money? Have a friend or family member complete the money personality profile. Compare and contrast (how are you alike how are you



different) your money personality profile with theirs.

- **C247005 Complete Activity 8 “What Does It Really Cost?”** (SF247) - on pages 39-40.
- **C247006 My Work; My Future** (SF247) - Interview three adults in your life about their careers or jobs using the questions on page 51 and record these answers. In addition, answer the following questions on your display. What did you find most interesting about these jobs? Were there any positions you might want to pursue as your career? Why/Why not? What careers interest you at this point in your life? What are three steps you need to do now to prepare for this career?
- **C247007 Interview** (SF247) - Interview someone who is paid a salary; someone who is paid a commission; and someone who is paid an hourly wage. Have them answer the following questions plus any additional questions you may have. \*What are some benefits of receiving your pay the way you do (salary, commission, or hourly wage)? \*What are some negative outcomes for getting paid the way you do? \*Does your pay keep pace with inflation? Why do you think this? Summarize: Based upon your interviews which payment method would suit you the best? Discuss your answer.
- **C247008 The Cost of Not Banking** (SF247) - Type your answers to the questions about Elliot on page 50.
- **C247009 Evaluating Investment Alternatives** (SF247) - complete the case study of Jorge on page 64. Answer all three questions found at the bottom of the page.
- **C247010 Understanding Credit Scores** (SF247) - Watch the video and read the resource listed on page 71. Answer the following questions. \*Name 3 prudent actions that can reduce a credit card balance. \*What are the main factors that drive the cost of credit? \*List one personal financial goal that you could use credit or collateral to purchase. Discuss possible consequences that might happen with improper use of credit for your purchase.
- **C247011 You Be the Teacher** (SF247) - Create an activity, story board, game or display that would teach another youth about “Key Terms” listed on page 62. Activity/display must include at least five (5) of the terms.

#### **Rules:**

\*General Information: Entries should be typed and then attached to a piece of colored card stock or colored poster board (limit the size of the poster board or card stock to 14” x 22” or smaller). You may use the front and back of the poster board. Scoresheet: Classes 1-6 = Beginner/Intermediate Classes 7-11 = Intermediate/Advanced

### **DIVISION 240 SHOPPING IN STYLE**

#### **CLASSES:**

- **C240001 Best Buy for Your Buck** (SF84) (Ages 8-13 before January 1 of the current year) - Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video, no posters please (see general information above). Do not include the Shopping In Style Fashion Show Information Sheet in your entry for this class. Although both entries do share some information, there are differences in content and format for this class.

#### **Provide details about wardrobe inventory which indicates the following:**

- \* Why you selected the garment you did
- \* Clothing budget
- \* Cost of garment
- \* Conclusion or summary statement(s) stating your final comments on why you selected your "best buy for your buck."
- \* Provide 3 color photos of you wearing the garment - front view - side view - back view

- **C240002 Best Buy for Your Buck** (Ages 14-18 before January 1 of the current year) (SF84) Provide details of the best buy you

made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video, no posters please (see general information above). Do not include the Shopping In Style Fashion Show Information Sheet in your entry. Although both entries do share some information, there are differences in content and format for this class. Suggested for Ages 14-19.

**Provide details listed for those ages 8-13 plus include the following additions:**

- \*Body shape discussion
- \*Construction quality details
- \*Design features that affected your selection
- \*Cost per wearing
- \*Care of garment
- \*Conclusion or summary statement(s) stating your final comments on why you selected your "best buy for your buck."
- \*Provide 3 color photos of you wearing the garment - front view - side view - back view

- C240003 Revive Your Wardrobe (SF88)** - Take at least two items in your wardrobe that still fit but that you don't wear anymore and pair them with a new garment or garments to make them wearable once again. Create a photo story which includes before and after photos and a description of what was done. Put in a binder, poster, or video (see general information).
- C240004 Show Me Your Colors (SF89)** - Select 6-8 color photos of you wearing different colors. Half should be what you consider to be good personal color choices and half should be poor personal color choices. Write a brief explanation with each photo describing your selections. Refer to the manual page 23 for more information. Entry should be a poster (see general information).
- C240005 Clothing First Aid Kit (SF64)** - Refer to page 73 of the manual and complete a clothing first aid kit. Include a list of items in the kit and brief discussion of why each was included. Put in appropriately sized box or tote with a lid. No larger than a shoe box.
- C240006 Mix, Match, & Multiply (SF90)** - Using this concept from page 32 of the manual take at least 5 pieces of clothing and create new outfits. Use your imagination to show various looks (i.e. on a clothes line, in a tree, on a mannequin). Include a brief discussion of each outfit which demonstrates what you have learned by completing this entry. Entry can be a binder, poster, or video (see general information).

**Rules:**

1.If exhibit is a poster it should be on 14" x 22" poster board. If a three-ring binder is used it should be 8 1/2"x 11"x 1". Video exhibits should be less than 5 minutes in length and be able to be played on a PC using Windows Media Player, Real Player, or QuickTime Player.

**Resources:**

**Consumer Education**

Identify your body shape and select clothing to enhance it; Learn how clothing prices are determined and how to comparisons shop; Analyze advertising; Experiment with removing stains; Learn about financial literacy; Set SMART Goals; Set financial goals; Keep a spending plan; Learn about financial literacy; Set SMART Goals; Set financial goals; Keep a spending plan

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/41](https://4hcurriculum.unl.edu/index.php/main/program_project/41)

*\*Find more clothing projects on pg. 26\**

## **SAFETY**

**Eligibility:**

All static exhibits must have received a purple ribbon at the county

fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hsafety>.

**DIVISION 450 FIRE SAFETY**

**CLASSES:**

- E450001 Fire Safety Poster (SF269)** - This is a home floor plan drawn to scale showing primary and secondary escape routes and where fire extinguishers and smoke detectors are located. Draw every room, including all doors and windows. Use black or blue arrows showing primary escape routes from each room. Use red arrows showing secondary routes to use if the primary routes are blocked. Primary and secondary escape routes must lead outside to an assembly location. Documentation should include evidence the escape plan has been practiced at least four times. Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28".
- E450002 Fire Safety Scrapbook (SF270)** - The scrapbook must contain 10 news articles from print and/or internet sources about fires to residential or commercial properties or landscapes. Mount each clipping on a separate page accompanied by a description of events leading to the incident and any measures that might have prevented it. The Scrapbook should be bound in a standard size hardcover binder or notebook for 8 ½" X 11" size paper. Correct sentence structure, readability and thorough explanations are an important part of judging.
- E450003 Fire Prevention Poster (SF268)** - Posters should promote a fire prevention message and be appropriate to display during National Fire Prevention Week or to promote fire safety at specific times of the year (Halloween, 4th of July, etc.). Originality, clarity and artistic impression will all be judged. Do not include live fireworks, matches or other flammable/explosive/hazardous materials. Any entry containing this material will be disqualified. Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28".

**DIVISION 440 SAFETY**

**CLASSES:**

- E440001 First Aid Kit (SF110)** - A first aid kit is a good way to organize supplies in an emergency. The kit should be assembled in a container appropriate for the kit's intended use. A description of where the kit will be stored and examples of specific emergencies for that situation should be included in the exhibit. The kit should include a written inventory and purpose statement for included items. Items should cover the following areas: airway and breathing, bleeding control, burn treatment, infectious disease protection, fracture care and miscellaneous supplies. Use Citizen Safety manual, 4-H 425, pages 6 & 7 and score sheet SF110 for guidance.

**Kits containing any of the following will be automatically disqualified:**

- \*Prescription medications. (If the kit's purpose is to provide medication for someone with special needs, explain in the written description and inventory, but remove the medication.)
- \*Materials with expiration dates on or before the judging date. (This includes sterile items, non-prescription medications, ointments, salves, etc. Articles dated month and year only are considered expired on the last day of that month.)
- \*Any controlled substance.

- E440002 Disaster Kit (Emergency Preparedness) (SF111)** - Disaster kits must contain the materials to prepare a person or family for emergency conditions caused by a natural or man-made incident. Selection of materials is left to the exhibitor. Family or group kits must have enough material or items for each person. A description of the kit's purpose, the number of people supported and a list of contents is required. Youth are encouraged to test their kit by challenging their family to try to survive using only the included materials for the designated time. If tested, share that experience in kit documentation. Please include an explanation of drinking water needs for your disaster kit. Do not bring actual water to the fair in the kit. Refer to score sheet SF111.

- **E440003 Safety Scrapbook (SF292)** - The scrapbook must contain 15 news articles from print and/or internet sources about various incident types. Mount each clipping on a separate page accompanied by a description of events leading to the incident and any measures that might have prevented it. The Scrapbook should be bound in a standard size hardcover binder or notebook for 8 1/2" X 11" size paper. Correct sentence structure, readability and thorough explanations are an important part of judging.
- **E440004 Safety Experiences (SF 190)** - The exhibit should share a learning experience the youth had related to safety. Examples could be participating in a first aid or first responder training, a farm safety day camp, babysitting workshop or similar event; scientific experiment related to safety; or the youth's response to an emergency situation. The exhibit should include a detailed description of the experience, the youth's role, some evidence of the youth's leadership in the situation and a summary of the learning that took place. Exhibits may be presented in a poster with supplemental Rev. 12/19/2014 documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes.
- **E440005 Career in Safety (SF191)** - The exhibit should identify a specific career area in the safety field and include education and certification requirements for available positions, salary information, demand for the field and a summary of the youth's interest in the field. Examples of careers include firefighters, paramedics, emergency management personnel, some military assignments, law enforcement officers, emergency room medical personnel, fire investigator and more. It is recommended youth interview a professional in the field in their research. Additional research sources might include books, articles, career web sites, job-related government web sites or interviews with career placement or guidance counselors. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes.

**Resources:**

**Safety**

Learn how to report an emergency; Learn basic first aid; Find out how to stock a first aid kit; Discover strategies for safety at home and away; Design a poster about fire safety; Learn to develop fire escape plans; Find out how to use ATV's safely; Learn about trouble-shooting and emergency procedures; Find out about hazards of the trail; Learn how to dress appropriately when riding; Learn to operate a tractor safely; Understand tractor controls and safety checks

**URL:** [https://4heurriculum.unl.edu/index.php/main/program\\_project/86](https://4heurriculum.unl.edu/index.php/main/program_project/86)

## **YOUTH IN MOTION**

**DIVISION 905 YOUTH IN MOTION- COUNTY ONLY**  
**CLASSES:**

- **G905001 YOUTH in Motion Poster, Scrapbook, or Photo Display** about the 4-H'er or the 4-H'ers family involved in a physical activity or concept/lesson involving this project. This might contain pictures, captions, and/or reports about the physical activity the individual or family did as a result of taking this project.
- **G905002 Activity Bag** - A duffle bag or backpack that the 4-Her packs so that they are always prepared to be active and make healthy food choices. May include:
  - \*Proper workout attire, a healthy beverage or snack, a notebook or goal sheet, etc.
  - \*Make sure all items are clean, clearly labeled and an explanation of why it is included in the Activity Bag.
  - \*DO NOT put valuable items (i.e. electronics) in Activity Bag, instead use a picture of the item or include in the listing of items.
- **G905004 YOUTH in Motion Healthy Snack Recipe File** -

Collection of 10 recipes from any source.

\*Each recipe must accompany a complete menu in which the recipe is used following the idea that a healthy snack includes foods from at least two different food groups.

\*An additional 10 recipes maybe added each year 4-Her is in project, with year clearly marked on recipes.

\*Consider creativity and neatness. Display in recipe file or box or a clear plastic binder.

●**G905005 Healthy Lifestyle Interview** - Interview someone in your life that you admire that is physically active or has a healthy lifestyle.

\*Why do they enjoy their exercise program or lifestyle choices?

\*What are their goals?

\*Why do you admire them?

\*Maximum of two pages, one-sided write up of an interview with someone who has an active exercise program.

\*Consider creativity and neatness.

\*Mount on a 9" x 12" colored paper or poster board, or display in clear plastic binder.

\*Include a picture of the person interviewed. (May be laminated to preserve exhibit.) Overall size of mounted exhibit should be no larger than 9: x `12" inches.

●**G905006 Healthy Snack** - See ideas for non-perishable snacks on page 36. Four cookies, bars, muffins, etc., on a paper plate, or at least 1 cup of mix (examples might include: granola bars, homemade crackers or chips.) Supporting information to include recipe and snack menu, and why this snack menu might be considered a healthy snack.

●**G905007 Health Promotion Poster** - Over any concept/lesson.

●**G905008 Health Promotion Brochure** (for kids & families, by kids) - Over any concept/lesson

●**G905009 Health Promotion PSA or Video Blurb** - Exhibit can be a tape with a 60 second PSA or a DVD/Video with a 60 second commercial.

●**G905010 Health Interview** - Interview of a professional in the health field about topics from the project.

●**G905011 Photo Display** - Display of a field trip to a recreation center, training table, etc.

●**G905012 Progress Log/Journal/Portfolio** - Show progress in activity levels and nutritious choices throughout span of project, can include any relevant educational material the 4-Her collects, photos, etc.)

●**G905013 Electronic Portfolio or Webpage** - Make it similar to the hard-copy project above or can be more of an educational tool for others.

●**G905014 Physical Activity File/Book** - An organized collection of game ideas, stretching & strength exercise diagrams, web sites, pages with sports rules, etc. on serving sizes served in restaurants, at home, etc. OR do an investigation and report on food labels. Exhibit can be a poster or notebook.

●**G905016 Portfolio or Scrapbook** of a Community Service Project supporting healthy lifestyles (portfolio that can be passed on to future club members and leaders to use).

## HUMAN DEVELOPMENT

The term Human Development includes child care, family life, personal development and character development.

**Rules:**

**Information Sheets:**

Classes 1 – 6 & Class 8: Final ribbon placing of the exhibit will

include the completeness and accuracy of this information sheet.

**Information sheets for Classes 1 - 6 should include:**

1. Where did I get the idea for this exhibit?
2. What decisions did I make to be sure exhibit is safe for child to use?
3. What age is this toy, game or activity appropriate for and why? (Infant, Birth-18 mths; Toddlers, 18 mths-3 yrs; Preschoolers, 3-5 yrs or Middle Childhood, 6-9 yrs.) 4-H'ers must give at least 2 examples that help in understanding the appropriateness of this exhibit for the age of the child (see project manuals).
4. How is the toy, game or activity intended to be used by the child?

**Information sheet for Class 8 should include:**

1. State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for.
2. What are children this age like? Give 2 examples to show how the kit would be appropriate for children this age.
3. What will the child learn or what skills will they gain by using the kit?
4. What item(s) were made by the 4-H'er. 4-H'er should make one or more items in the kit, but purchased items are also allowed. (It is highly suggested that an inventory list of items in the kit be included).

For General Rules: [https://4h.unl.edu/fairbook/general\\_rules](https://4h.unl.edu/fairbook/general_rules)

**Eligibility:**

All static exhibits **must have received a purple ribbon** at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <http://go.unl.edu/ne4h/humandevelopment>.

**DIVISION 200 HUMAN DEVELOPMENT**

**CLASSES:**

**Toy, game, or activity** made for a selected and identified age group. The intent is for the toy/game/activity to teach the child in the developmental area related to each class. For example, a game that is developed to help youth learn language and literacy skills would be an exhibit for class C200002. Each area is a different class. Information sheet required or exhibit will be dropped a ribbon placing for classes 1-6.

- **C200001 Social Emotional Development (SF30)**
- **C200002 Language and Literacy Development SF30)**
- **C200003 Science (SF30)**
- **C200004 Health and Physical Development (SF30)**
- **C200005 Math (SF30)**
- **C200006 Creative Arts (SF30)**
- **C200007 Activity with a Younger Child (SF115)** - Poster or scrapbook showing 4-H'er working with a child age 0 to 8 years. May show making something with the child, or child care or child interactions. May include photos, captions, story or essay. Size of exhibit is your choice. Other people may take photos so 4-H'er can be in the photos. 4-H'er must make scrapbook or poster. No information sheet needed for class 7.
- **C200008 Babysitting Kit (SF85)** - Purpose of the kit is for the 4-H member to take this when they babysit in someone else's home. Do not make kit for combination of ages or for your own family to use. 4-H member must make one or more items in the kit, but purchased additional items are also allowed. A list of items in the kit is suggested to be included. Display in box or bag suitable for what it contains. Approximate size not larger than 12"x15"x10". All items in kit must be safe for child to handle. Most importantly the kit should serve a defined purpose, not just be a catch all for several items. Information sheet for Class C200008 should include:
  - \*State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for.
  - \*What are children this age like? Give 2 examples to show how

the kit would be appropriate for children this age.

\*What will the child learn or what skills will they gain by using the kit?

\*What item(s) were made by the 4-H member.

●**C200009 Family Involvement Entry (SF115)** - Scrapbook, poster or story describing an activity the family did together. It might include making something such as a doll house or feed bunk. Items may be exhibited if desired. Other possibilities include a house or farm cleanup project, a family reunion, a celebration of a family milestone, a trip or vacation, moving, a community service project. Photographs are encouraged. Visuals should show family participation. Participation by all family members is important. Include a list of family members and what each person did to participate in the event.

●**C200010 Growing with Others Scrapbook or Poster (SF115)** - Examples: How to decide if it's time you can be home alone, and related activities. How responsibilities and privileges are related. Friendships. Working with others. Understanding rules and boundaries. A family tree. A family rules chart. A family meal plan, with pictures of a special family meal. A home safety checklist. Being street smart (safety). A school scrapbook showing yourself and your school activities, memories, and special interests.

●**C200011 Growing in Communities (SF115)** - Scrapbook or poster. Examples: A career study. A photo story about your own growth and development, not only physically but emotionally, socially, spiritually, mentally. A television evaluation (see project manual). How you have overcome obstacles. Friendships. A community profile. A community service project. Working with parents. Teaching experiences. Understanding discipline. Playground safety check.

#### **Rules:**

1. Exhibitors in the Human Development project area will be asked to focus on designing toys/games/activities that meet the different needs of children.

2. Categories are based on the Early Learning Guidelines in Nebraska which identify the important areas in which our children should grow and develop. Use the Nebraska Department of Education website and the resources around the Early Learning Guidelines to help understand the six areas and the skills children need to develop to create your exhibit, in conjunction with your project manual. <https://www.education.ne.gov/oec/early-learning-guidelines>

#### **Resources:**

##### **Human Development**

Learn skills and techniques of child care; Find out how to be a caring sitter; Learn to provide a safe environment for children; Explore how people grow and develop; Inspect toddler's toys, minimize hazards; Learn about roles in life, handling emotions; Learn about self care, rules, responsibility and safety; Introduction to babysitting; Gain awareness of common dangers in the world; Explore child development careers; Gain experience as a teacher or coach; Participate in a community service project

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/53](https://4hcurriculum.unl.edu/index.php/main/program_project/53)

## **ENTREPRENEURSHIP**

Entrepreneurship exhibits help participants develop an entrepreneurial mindset. An entrepreneurial mindset is needed to tackle social issues as well as explore new business opportunities.

#### **Rules:**

1. **Exhibit Guidelines:** The 4-H member's name, age, town and county must be listed on the back of the exhibit. Entry cards should be stapled or taped (not paper-clipped) to the upper right-hand corner of posters. If exhibit is a poster, it must be 14" x 22" and may be arranged either horizontally or vertically. Poster may not use copyrighted materials, such as cartoon characters or commercial

product names. **Exhibits which do not conform to size or content guidelines will be lowered one ribbon placing.** Posters may include photographs, charts or examples as well as a written explanation.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hentrepreneurship>.

**DIVISION 531 ENTREPRENEURSHIP INVESTIGATION**

**CLASSES:**

● **F531001 Interview an Entrepreneur (SF181)** - Share what you learned from the person about having an entrepreneurial mindset. How have they applied that mindset? Have they started a business? Are they tackling a social issue? How do they deliver excellent customer service? How will what you have learned through this interview change your future plans or ways of thinking about entrepreneurship? The summary of the interview should be typed and with a maximum length of two pages (12 pt. font). Enter exhibit in a folder with fasteners (no slide bars).

● **F531002 Social Entrepreneurship Presentation (SF181)** - Prepare a five slide power point presentation about a social entrepreneurship venture to benefit a group or individual in your community. Social entrepreneurs are people who are in business to help others. Submit a print out of the note pages which show each slide and include an explanation of each slide. Enter exhibit in a folder with fasteners (no slide bars).

● **F531003 Marketing Package (SF181)** - (mounted on a 14" x 22" poster) must include at least three items (examples) developed by the 4-H'er from the following list: business card, brochure, advertisement, business promotional piece, printout of an internet home page, packaging design, signs, logo design, direct mail piece, etc. The marketing package should be for an original business developed by the 4-H'er and not an existing business.

● **F531004 Sample of an Original Product (SF181)** - with an information sheet (8 1/2" x 11") answering the following questions:

- \*What did you enjoy the most about making the product?
- \*What challenges did you have when making the product? Would you do anything differently next time? If so, what?
- \*What is the suggested retail price of the product? How did you decide on the price?
- \*Market analysis of the community – data gathered through a survey of potential customers. Survey at least 10 people in your community about your product.
- \*How much would you earn per hour? Show how you determined this figure.
- \*What is unique about this product?

● **F531005 Photos of an Original Product (SF181)** - (mounted on a 14" by 22" poster) must include three photos of developed product and a mounted information sheet answering the following questions. **If exhibiting in both Class F531004 and F531005, products must be entirely different products.**

- \*What did you enjoy the most about making the product?
- \*What challenges did you have when making the product? Would you do anything differently the next time? If so, what?
- \*What is the suggested retail price of the product? How did you decide on the price?
- \*Market analysis of the community – data gathered through a survey of potential customers. Survey at least 10 people in your community about your product.
- \*How much would you earn per hour? Show how you determined this figure.
- \*What is unique about this product?



●**F531006 Entrepreneurship Challenge** - Take on the entrepreneurship challenge. Entrepreneurship Challenge is open to 4-H members enrolled in any of the three units of ESL. Complete five (5) or more of the challenges from the following list. The exhibit will include highlights from these five (5) challenges. Consider labeling each challenge so the viewer will understand what the challenge was. Enter a poster, video (or other digital presentation), report, or scrapbook related to the learning from the challenge. Use your creativity to show and share what you learned. Select five (5) challenges from the list below:

- \*Sell something.
- \*Talk to local leaders about entrepreneurial thinking and how it is being applied or could be applied to a current community issue.
- \*Introduce yourself to a local entrepreneur and take a selfie with them.
- \*Be a detective! Look for Nebraska-made products and find out more about the business.
- \*Tour 2-3 entrepreneurial businesses and create a photo story.
- \*Investigate what it takes to be an entrepreneur and complete a skills assessment.
- \*Make a prototype (sample/model) of a new product idea. Include the prototype or a photo of the prototype.
- \*Work with a friend to develop a new business idea!
- \*Contact your local Extension office to learn about entrepreneurship opportunities.
- \*Create an activity to teach others about entrepreneurship (color page, puzzle, game, etc.)

**Resources:**

**Entrepreneurship**

Learn about entrepreneurs; Take Entrepreneur Skills Assessment; Investigate the risks; Learn about the importance of reputation; Sell your product or idea; Learn about a business plan; Develop a concept; Find resources; Learn about business start up; Working knowledge of entrepreneurship; Understand financials and feasibility; Understand marketing principles, including global markets; Understand what it takes to be in business

**URL:** [https://4hcurriculum.unl.edu/index.php/main\\_program\\_project\\_93](https://4hcurriculum.unl.edu/index.php/main_program_project_93)

## CITIZENSHIP

The purpose of these citizenship exhibits is to foster civic responsibility and action within the diverse areas of citizenship including community service, service learning, government and policy making.

**Rules:**

1. Exhibits are entered at 4-Hers own risk. We will not be responsible for loss or damage to family heirloom items or any items in this division.
2. Displays should not be larger than 22" x 28" wide. If the size needs to be a different size because the historical item is larger than 22" x 28" please contact the superintendents for approval. Display collections securely in an attractive container no larger than 22" x 28".

**Supporting Material:** All entries must have a statement explaining:

- \*The purpose of the exhibit
- \*Exhibitors are encouraged to show evidence of their personal field experiences, study or observations that relate to their exhibit. This helps the judges understand what the 4-H'er did and learned in the process that led to the exhibit.
- \***References:** All exhibitors should reference material sources or supporting information used in exhibits (i.e., if questions from a game were taken from an outside source, they must be referenced).

**\*Identification:** All entries should be labeled with the exhibitor's name, club and county.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

**Project Materials** - The official reference for the citizenship projects is Citizenship Public Adventures Kit (MI 7329) and Citizen Guide's Handbook (BU 7330). Other helpful citizenship references include Citizenship Washington Focus guides, Character Counts! and Service Learning Information.

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hcitizenship>.

**DIVISION 120 CITIZENSHIP**

**CLASSES:**

- **A120001 Care Package Display** - This exhibit is a display about the PROCESS of creating and giving a care package, not the actual care package. You may use a poster, Power Point or another multi-media program to tell about the PROCESS of developing and giving a care package to a service organization. PowerPoint should be saved to a USB/thumb drive. You need to answer the following questions in your exhibit. How did you select the organization? What items did you include in your care package? Why did you select those items? How did it feel to present your care pack to the organization? What did you learn from this experience? Other information that you feel is important about the care package or organization. Some examples of care packages are: Backpack for school supplies, litter pan for animal shelter items, suitcase for abuse shelter or homeless shelter, etc.
- **A120002 Citizenship Game** - which could include but is not limited to symbol flash cards, question and answer board or stimulation with props. Clear instructions on how to play the game and what the game hopes to accomplish must be included.
- **A120003 Patriotic or Cultural Fine Arts** - can be made of any art media but should tie in the relevance of the artwork to citizenship.
- **A120004 Public Adventure Scrapbook** - should describe your Public Adventure or Service Learning Activity. Scrapbooks must measure no more than 16" x 16".
- **A120005 Public Adventure Poster** - should describe your Public Adventure or Service Learning Activity. Display posters must be stiff enough to stand when supported from behind and below. Length and width must be no more than 24" x 28".
- **A120006 Written or Recorded Stakeholder Interview** - should follow the outline found in the Public Adventures Curriculum. It may be written or recorded. Recordings should be saved as a .wav or .mp3 file; a USB/thumb drive will be accepted
- **A120007 Written Citizenship Essay** - is designed to promote good citizenship and patriotism. This essay is open to all age groups. All essays should be 300 - 400 typewritten words.
- **A120008 For 9th-12th Graders Only: Oral Citizenship Essay** - addressing the theme "Freedom's Obligations" should be 3-5 minutes. No background music, singing or other enhancement allowed. All essays should be saved as a .wav or .mp3 file; a USB/thumb drive will be accepted. Voice tone should be normal and conversational. A copy of the written essay should be attached.
- **A120009 Service Items** - can include but aren't limited to lap quilt, Quilt of Valor and homemade toys. Only non-perishable items will be accepted. Attached to the exhibit should be an explanation of who the recipient was and how the service project was made and used. The service item could be part of a larger community service effort.
- **A120010 4-H Club Exhibit** - should depict what a 4-H club has done in the area of community service. This item could include, but is not limited to, a service item, poster, scrapbook, cultural or creative arts item or care package, Quilt of Valor.

## DIVISION 130 SEEING I2I

### CLASSES:

- **A130001 Cultural Fine Arts** - can be made of any art media but should symbolize what makes them unique.
- **A130002 How Are We Different? Interview** - should follow the interview guide in the participant manual on page 3 and should reflect on the differences and similarities between you and the person you are interviewing.
- **A130003 Name Art** - should be a creative art exhibit that symbolizes or explains where your name came from and what it means. Can use any media.
- **A130004 Family History** - depicting your family cultural history or the ethnic make-up of your community noting who were the first settlers, where did they come from, is there evidence of the background today (local celebrations, family celebrations, museum or educational displays, historical markers, etc.)
- **A130005 Exhibit Depicting a Cultural Food** - that is special to your family. Can be a story or essay.
- **A130006 "This is Who I Am" Poem (SF183)** - written by the 4 -Her that reflects who they are
- **A130007 Poster** - that depicts what you have learned through the i2i Project.
- **A130008 Biography** - about an historical figure that has made a positive impact on our society or who have made a difference in the lives of others.
- **A130009 Play Script** - written about a different culture.

### Resources:

#### Citizenship

Discover your own family genealogy; Expand your cultural knowledge; Explore different cultures and ways of thinking; Solve real problems in your community; Discover the possibilities of democratic citizenship; Plan and conduct a project that will create, change, or improve something valuable to people

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/92](https://4hcurriculum.unl.edu/index.php/main/program_project/92)

## CONSERVATION, WILDLIFE & SHOOTING SPORTS

Conservation, wildlife and shooting sports gives 4-H members an opportunity to share their knowledge and field experience about conservation, wildlife, and shooting sports. When creating an exhibit make sure to pay close attention to the rules while taking into account the different laws that surround those areas.

### Rules:

1. **Show What You Did and Learned:** All exhibitors must show evidence of their personal field experiences, study, or observations that relate to their exhibit. This helps judges understand what the 4 -Her did and learned in the process that led to the exhibit.
2. **Proper Credit:** Show proper credit by listing the sources of plans or other supporting information used in exhibits.
3. **Whose Exhibit?:** The exhibitor's name, county, and age must be on the back or bottom of all displays.
4. **Wildlife and Wildlife Laws:** "Animal" or "wildlife" in the following classes includes wild fish, amphibians, reptiles, birds, or mammals. Please make sure you are following all wildlife laws. Domestic animal (i.e. domestic livestock or house pets) and insect exhibits are not appropriate for this area.
5. **Project Materials:** Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 59381), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H 125), Geology, and Outdoor Adventure. Other resources include: Outdoor Skills: Learning Science in the Outdoors series (Science Signature Outcome

Program) [outdoornebraska.gov/afterschool/](http://outdoornebraska.gov/afterschool/) and [www.whep.org](http://www.whep.org).

**6. Board and Poster Exhibits:** Mount all board exhibits on  $\frac{1}{4}$ " plywood, Masonite, or similar panel no larger than 24" high by 24" wide. Poster exhibits should be on regular poster sheets, no larger than standard size (22 by 28 inches) but half size, 22 by 14 inches, is recommended.

**7. Exhibit Size:** Exhibits other than poster/display board should not exceed 48 inches x 48 inches and be able to be moved by two people.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hconservation-wildlife-shooting>.

**DIVISION 343 HARVESTING EQUIPMENT**

**CLASSES:**

- **D343001 Fish Harvesting Equipment (SF168)** - Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: the purpose of each item, when or where each item is used, and any personal experiences you've had with the item(s).
- **D343002 Build a Fishing Rod (SF169)** - Rod building kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches in length. Exhibit must be mounted on a board. Include with the exhibit the: Explanation of cost of materials/components, where materials/components were purchased, and how many number of hours required for construction. Label all parts. Necessary components which must be included are grip, line guides (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibit will be judged on: workmanship, labeling of parts, information, and neatness.
- **D343003 Casting Target (SF170)** - Make a casting target for exhibit and use. Target must be under 48" x 48". The bullseyes must be 2 feet, outer band must be 1 foot in diameter and can have up to 3 rings. The exhibit must be easy to store, durable, and weather resistant. Include the purpose and rules of using your casting target.
- **D343004 Wildlife Harvesting Equipment Board Exhibit (SF171)** - Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed: the purpose of each item, when or where it is used, and any personal experiences you've had with the item(s).
- **D343005 Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory (SF168)** - Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc.... Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype, and any adjustments you made.

**DIVISION 361 OTHER NATURAL RESOURCES**

**CLASS:**

- **D361001 Design Your Own Exhibit in Natural Resources, Conservation, Geology, or Ecology (SF164)** - This class is for educational exhibits about natural resources, conservation, wildlife, or ecology that do not fit into other categories. Entries must be appropriate for fair display and no larger than 24" x 24". All entries must include a title and should be clear (a brief explanation or other method) about the intended purpose or message – what the exhibit is meant to show. Think about accuracy, creativity, educational value for viewers, and evidence of exhibitor's personal experiences and learning.

## DIVISION 341

### OUTDOOR ADVENTURES - LEVEL 2

#### CLASSES:

- **D341001 Poster** (SF281) - Topics may include, but not limited to one or more of the following: how to pitch a tent, knot tying, cooking over a campfire, how to start a campfire, wildlife and plants identified while camping, how to set up emergency shelter, dealing with weather, collection of photos from camping trips, "Leave No Trace" and how that was followed while camping, plan a camping trip, camping essentials, environmental issues/protecting natural resources, park or trail clean up, sanitation/hygiene while outdoors or use of GPS.
- **D341002 Journal/Binder** (SF281) - Written report of virtual or actual camping/hiking trips with observations OR field journal (notes of actual experiences, sights, sounds, smells, etc.), OR camping or hiking trip diary. Explain growth in project, leading the hikes, planning the camping trip, now being able to identify the wildlife and nature around you and how identified (sight/sound/shape/smell/color). Feathers/leaf/flower pressings must be securely attached, if included. Photos or drawing of observations encouraged. Exhibits measure no larger than 16" X 16".
- **D341003 Camping/Hiking Safety** (SF281) - Must include explanation of use of item and why selected/purpose, how it fits hiking/camping needs. May include, but are not limited to, one of the following: travel sized poisonous plants guide, camping first aid kit, weather/water safety or hand hygiene kit.
- **D341004 Digital Media** (SF281) - Use digital media to show video/slideshow/presentation of setting up a tent (include why site is chosen) or protecting natural resources or environmental issues or computer video camping/hiking game. Submit a USB drive or DVD inside a report cover or notebook. If using a slideshow, include printed slides inside report cover or notebook.
- **D341005 Other Camping Items** (SF281) - Must include what inspired the creation of the item, and its purpose. May include, but are not limited to one of the following: nature art, nature haiku poem, spider web sketches or knot display.

### OUTDOOR ADVENTURES - LEVEL 3

#### CLASSES:

- **D341006 Poster** (SF281) - Topics may include but not limited to one of the following: Topographic map, backpacking trip plan, camp layout, plan an expedition (can be dreamed or lived), collection of photos from your expedition, trails hiked, cost comparison of rental vs purchase or using GPS/compass.
- **D341007 Journal/Binder** (SF281) - Written report of actual, virtual or imagined expeditions/camping/hiking, OR field journal (notes of actual experiences, sights, sounds, smells, etc.). Explain growth in project, challenges in leading a group, teaching others about wildlife and nature identification and "Leave No Trace." Exhibits measure no larger than 16" X 16".
- **D341008 Expedition Safety** (SF281) - Must include an explanation of use of items, why selected/purpose of item, how it meets hiking/camping/expedition needs. May include, but are not limited to; travel sized edible plants, creepy crawly guide, tent repair kit, travel first aid kit or weather/water safety.
- **D341009 Digital Media** (SF281) - Use digital media to show video/slideshow/presentation of one of the following, but not limited to; building a non-tent shelter (include why needed), packing your backpack/equipment and getting it onto you, teaching others about environmental issues or a computer video backpacking expedition game. Submit a USB drive or DVD inside a report cover or notebook. If using a slideshow, include printed slides inside report cover or notebook.
- **D341010 Other Expedition Items** (SF281) - Must include what inspired the creation of the item, and the purpose of the item. May include, but are not limited to; nature art, nature cinquain poem, backpacking food recipes, hiking/expedition conditioning plan, charcoal etching, dehydrated meal or snack (at least 1 cup

displayed in a re-sealable plastic bag with ingredients, instructions, and nutritional facts included).

## **DIVISION 347 SHOOTING SPORTS**

### **CLASSES:**

- **D347001 Shooting Aid or Accessory (SF253)** - Any item which helps the shooter/hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc... Include your design, or plans you adapted, what the item is and used for.
- **D347002 Storage Case (SF254)** - Any item with the purpose to safely hold a firearm, bow, ammunition, and/or arrows., Examples: soft sided shotgun case, quivers, firearm safe, include your design, or plans you adapted. Explain how the storage case is used.
- **D347003 Practice Game or Activity (SF255)** - Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials offer 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.
- **D347004 Science, Engineering, Technology Advancements of Shooting Sports, Conservation, or Wildlife Essay or Display (SF256)** - Choose a specific area of shooting sports and share how it has advanced., Include a timeline and photos or illustrations. Keep your topic narrow and manageable. Essays are limited to 1000 words and should be on 8 ½ x 11 paper.
- **D347005 Healthy Lifestyles Plan (SF257)** - Include a shooter's (hiker's, camper's, angler's) diet and exercise plan, and how the 4-H member will benefit or improve from following the plan. Ideally, the 4-H member would follow the plan and include some journal entries about adaptations or improvements made while following the plan.
- **D347006 Citizenship/Leadership Project (SF258)** - Share a display on a citizenship project or leadership project the 4-H member took on individually or with a group to improve some aspect related to 4-H Shooting Sports, Conservation, or Wildlife. Examples could be range development, conservation planting to attract wildlife, a camp, or 4-H recruitment event. Include who benefitted from the project, what the 4-H member's role was, and any results.
- **D347007 Career Development/College Essay, Interview or Display (SF252)** - Research opportunities for careers related to this area or opportunities for college majors or college activities to help discover using project skills beyond a person's 4-H career. Essays are limited to 1,000 words and should be on 8 ½ x 11 paper. Interviews need to include a picture of the interviewee in their work setting, questions asked, and a transcript of answers.
- **D347008 Community Vitality Display (SF251)** - Explore the difference shooting sports, conservation, fishing, and hunting make in keeping Nebraska vibrant especially in rural areas. Present facts and research in an interesting way for the public to learn from.
- **D3347009 Ag Literacy-Value added Agriculture Interview or Research Project (SF250)** - Explore how traditional ag producers are adding value to their production agriculture operations through conservation efforts, hunting, raising pheasants, shooting sports related tourism, etc.... Present findings in an interesting way for the public to learn from.

### **Rules:**

1. 4-H Shooting Sports requires youth to be under the direct leadership of a certified 4-H Shooting Sports Leader in either shotgun, rifle (bb gun), archery, pistol, black powder/muzzleloader, and/or hunting skills. No firearms can be entered as an exhibit, nor live ammunition; however, information can be shared through pictures. Classes 004-009 can be entered by anyone in the conservation and wildlife area.

## **DIVISION 346 TAXIDERMISTRY**

### **CLASSES:**

●**D346001 Tanned Hides** (SF172) - Exhibit of a wild animal hide properly processed by the member. No requirement as to mounting but must meet the size requirement listed under Rules. Include the animal's name and the following information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

●**D346002 Taxidermy** (SF172) - Any legal fish, bird, or other wild animal properly processed by the member. No requirements as to mounting but must meet the size requirement listed under Rules. Include the animal's name and the following information about the exhibitor's personal field experiences, study, or observations that relate to the exhibit.

## **DIVISION 340 WILDLIFE AND HOW THEY LIVE**

### **CLASSES:**

●**D340001 Mammal Display** (SF154) - Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats.

●**D340002 Bird Display** (SF154) - Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats.

●**D340003 Fish Display** (SF155) - Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats.

●**D340004 Reptile or Amphibian Display** (SF156) - Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats.

●**D340005 Wildlife Connections** (SF157) - Board or poster exhibit. The purpose of this display is to show interconnections and related aspects among animals, plants, and other habitat components. All displays should show two or more interactions (connections) that occur between/among animals or between animals and their habitat. Displays might show how animals interact with other animals, with people, or with their habitat. Examples: Food chain display. Use pictures, drawings, or other items to illustrate the source of food energy and where it goes - who eats whom or what. Use arrows to show the direction of the energy (food) flow; show the role of predators, scavengers, insect eaters, or others in nature; show how wildlife numbers (populations) change through the year; show predation, competition, or other behavioral interactions of wildlife. Choose one kind of wildlife and make observations through a season or year, keep notes of interactions, then make a display of what you saw.

●**D340006 Wildlife Tracks** (SF158) - Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred. Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. (OR) Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. (OR) Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal.

●**D340007 Wildlife Knowledge Check** (SF159) - Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and

display; maximum size 24 x 24 inches.

- **D340008 Wildlife Diorama (SF160)** - Exhibit must be no larger than 24" x 24". The exhibit might show a grassland, prairie, agricultural, woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: show an area interspersed with several habitats such as windbreaks, farm fields, woods, waste areas, ditches, and pastures for edge-adapted species such as white-tailed deer, Northern bobwhite, mourning doves, cottontail rabbits, fox, squirrels, Northern cardinals, or blue jays. Label the habitats displayed and show at least five kinds of wildlife in their proper habitats.
- **D340009 Wildlife Essay (SF161)** - Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife. You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder, or at other places. You might write about ethics, proper behavior in the outdoors, hunting, or fishing. The essay is between 100 and 1000 words long and typed, double spaced on 8 ½ x 11 paper. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them.
- **D340010 Wildlife Values Scrapbook (SF162)** - Make a scrapbook about the various values of wildlife. This would include aesthetic, scientific, commercial, game, genetic, and/or ecological. One resource would be the Wildlife Conservation project booklet (4-H 125).
- **D340011 Wildlife Arts (SF163)** - The purpose of this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, wood carvings, painted duck decoys, or songs or poems written by the exhibitor. Entries must be appropriate for fair display and no larger than 24" x 24". For example, paintings or photographs should be displayed in notebook format or mounted on a sturdy display panel. All entries must include a title and brief explanation of the purpose or message (what is the exhibit meant to show).

#### **Rules:**

1. Classes 1-4 are board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation. No domestic livestock, pets, or insects allowed. For more ideas, refer to project booklets. Remember to look at General Rules for this area.

#### **DIVISION 342 WILDLIFE HABITAT**

##### **CLASSES:**

- **D342001 Houses (SF165)** - Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences. Tips: check NebGuide on bird houses and shelves.
- **D342002 Feeders/Waterers (SF166)** - Make a bird bath or feeder. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; no insect feeders. Include the following information: 1) the kinds of animal(s) for which the water/feeder is intended, 2) where are how the water/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences. Tips: check NebGuide on feeding birds.
- **D342003 Wildlife Habitat Design Board or Poster Exhibit (SF167)** - Choose a backyard, acreage, or farm, and design a habitat plan to meet the food, water, shelter, and space needs of at least three kinds of animals you would like to attract. Draw an outline of the area and show what plants or other habitat will be provided. Indicate how the various parts of your plan provide the desired habitat needs. You might include an aerial photo of the area if you have one.



**Resources:****Bird Behavior**

Learn about different types of bird behavior; Start a lifetime bird list; Find out how to attract birds to backyards.

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/209](https://4hcurriculum.unl.edu/index.php/main/program_project/209)

**Fishing**

Develop angling skills; Create fishing tackle; Learn how to be a good steward of aquatic resources; Practice different types of casting; Learn the different characteristics of fish; Recognize the importance of water quality for fish habitats; Prepare a fish meal; Build a fishing reel; Make artificial flies and lures; Modify fishing equipment; Collect and identify aquatic insects

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/209](https://4hcurriculum.unl.edu/index.php/main/program_project/209)

**Hunting Skills**

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/191](https://4hcurriculum.unl.edu/index.php/main/program_project/191)

**Wildlife Conservation**

Learn about the history of wildlife conservation; Explore the values of wildlife to humans; Learn wildlife management terms; Learn about wildlife habitats; Make a nature diorama; Explore wildlife communities and ecosystems; Learn about the interface between people and wildlife; Explore why and how we manage wildlife; Learn about threatened and endangered species

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/209](https://4hcurriculum.unl.edu/index.php/main/program_project/209)

## SHOOTING SPORTS

### FAIR COMPETITION COUNTY ONLY

#### SHOOTING SPORTS MARKSMANSHIP

All participants MUST attend a minimum of 1 club meeting, 3 practices in each discipline with a certified leader, pass the general safety test and be approved by an instructor of each discipline to compete in that division at the county fair. Pre-registration is required and must be filed at the Extension Office, by the specified date, for competition at the fair. Anyone not pre-registered will not be allowed to participate in the competitions.

**Dress Code:**

- \*Full length jeans, no holey jeans
- \*Flat-soled, close-toed footwear; no shooting boots
- \*Shooting sports club shirt or a white shirt with the 4-H emblem or 4-H chevron
- \*No shooting jackets, pants or gloves

**Safety Guidelines:**

- \*Firearms and bows must remain in a closed case or on the gun/bow stands at all times, except when on the firing line
- \*Clear-Bore-Indicators (CBI) will be in all firearms at all times unless in the process of shooting at the firing line. This includes between strings or banks.
- \*Ammunition will be stored separately from firearms
- \*Discipline leaders/Superintendents will check all firearms, ammunition and bows prior to shooting
- \*Safety glasses are required for ALL disciplines
- \*Ear protection is required for small-bore (.22) rifle and shotgun
- \*The Superintendents/Discipline Leaders will have the authority to set safety rules and regulations the day of the competition.
- \*Disqualifications shall be at the discretion of the Superintendents/Discipline Leaders. Disqualifications will occur if: the shooter is not currently enrolled in 4-H and the appropriate discipline(s), acting in an unsafe manner, unsportsmanlike activities or if a person accompanying the shooter is acting in an inappropriate manner.

**Division:**

- \*Air Pistol
- \*.22 Pistol
- \*BB Gun
- \*Air Rifle
- \*Archery
- \*Small-bore (.22) Rifle
- \*Shotgun/Trap
- \*Hunting Skills

**Ages Breakdown for Classes:**

- \*Junior: 8-10 years old on January 1 of the current fair year.
- \*Intermediate: 11-13 years old on January 1 the of current fair year.
- \*Senior: 14-18 years old on January 1 of the current fair year.

**Special Circumstances:**

Class allowances and special needs shall be determined by the Certified Instructors of each discipline for any participant with special needs.

**Awards:**

Ribbon placement will be decided by the respective Superintendents/Discipline Leaders based on the conditions and/or scores for the day.

**Equipment:**

The Morrill County Shooters 4-H Club will have limited availability to equipment. Equipment that is available for use includes: bb guns, air rifles, air pistols, Genesis bows, finger guards, arm guards and arrows. IT IS HIGHLY RECOMMENDED THAT PATICIPANTS PURCHASE THEIR OWN EQUIPMENT after their first year of competition. Please talk to the Certified Instructors of the specific discipline before purchasing equipment, as they will be able to help determine the participants needs. Club equipment is available on a first come-first serve basis, and if needed, it will be shared.

**BB GUN**

**Certified Instructors/Superintendents: Dean Cline & Aaron Drinkall**

**BB Gun Requirements:**

- \*Any single pump BB gun. The club prefers the Daisy model 499 bb gun with model 5899 sights
- \*Metallic sights ONLY, no telescopic sights
- \*Smooth-bore ONLY, no rifled barrels

**Fair Competition:**

- \*10 minute time limit per position
- \*4 position shoot: prone, sit, kneel and stand
- \*Distance will be 5 meters (16 feet 4 ¾ inches)
- \*10 recorded shots in each position, total of 40 recorded shots
- \*400 points maximum score
- \*Target will be the NRA AR-4/10 (12 bullseye) paper target

**CLASSES:**

- H700020 **Junior** (8-10 years)
- H700021 **Intermediate** (11-13 years)
- H700022 **Senior** (14-18 years)

**AIR RIFLE**

**Certified Instructors/Superintendents: Dean Cline, Paul Safford, & Aaron Drinkall**

Any shooter MUST have recorded a minimum score of 300 on BB Gun to qualify to shoot Air Rifle at the County Fair. This score must be verified by a 4-H Certified Instructor and consist of all 4 positions. The score can be shot at club practices, other competitions or at the County Fair.

**Air Rifle Requirements:**

**Must:**

- \* Any single pump Air Rifle, no pre-charged gas systems
- \* Metallic sights ONLY, no telescopic sights

**Fair Competition:** Differs for Jr., Int., and Sr. Divisions

**Paper Target:**

- \* 10 minute time limit per position
- \* 3 position shoot: prone, kneel and stand
- \* 10 record shots at 10 individual bullseyes in each position, total of 30 record shots
- \* 300 points maximum score
- \* Target will be the NRA AR-5/10 (12 bullseye) paper target
- \* Distance is 10 meters (32 feet 9 inches)

**Silhouette Targets:**

- \* 2 minute time limit per record shot
- \* All targets will be shot from the standing position.
- \* 2 points for each 'dead' target. 'Dead' target is a target that has been knocked over.
- \* NRA 1/10<sup>th</sup> scale
- \* Chickens @ 20 yards
- \* Pigs @ 30 yards
- \* Turkeys @ 36 yards
- \* Rams @ 45 yards

\*\*\*\* Above stated rules will be for outdoor shooting with good weather conditions. Superintendents/Discipline Leaders reserve the right to change distances, move silhouette match indoors, or cancel silhouette match if conditions are not favorable or safe!

**CLASSES:**

- **H700023 Junior** (8-10 years) - Will only shoot paper targets: 30 shots. Maximum score is 300.
- **H700024 Intermediate** (11-13 years) - Will shoot paper targets and silhouettes
- **H700025 Senior** (14-18 years) - Will shoot paper targets and silhouettes

**SMALL-BORE (.22) RIFLE****Certified Instructors/Superintendents: Dean Cline, Paul Safford, & Aaron Drinkall**

Any shooter MUST have a Hunter Safety/Education Certification and provide a copy to the Instructor prior to being allowed to participate in practices and the fair.

**Small-bore (.22) Rifle Requirements:**

- \* Any .22 caliber rifle; no magnums
- \* Must be loaded one round at a time
- \* Any sights, metallic or fixed-power telescopic, maximum of 6X magnification
- \* Standard ammunition only; lead projectile only
- \* NO hollow points, hot loads 'Stingers', sub-sonic, or jacketed ammunition

**Fair Competition:****Paper Target:**

- \* 3 position shoot: prone, kneeling and standing
- \* 30 recorded shots
- \* 300 points maximum score
- \* Target will be the NRA A 17 (11 bullseye) paper target @ 50 feet

**Silhouette Targets:**

- \* 5 points for each 'dead' target. 'Dead' target is a target that has been knocked over.
- \* NRA 1/5<sup>th</sup> scale

\*5 Chickens @ 43 yards 26 3/4 inches or 40 meters

\*5 Pigs @ 65 yards 22 inches or 60 meters

\*5 Turkeys @ 84 yards 7 1/2 inches or 77 meters

\*5 Rams @ 109 yards 13 inches or 100 meters

\*\*\*\* Above stated rules will be for outdoor shooting with good weather conditions. Superintendents/Discipline Leaders reserve the right to change distances or postpone matches if conditions are not favorable or safe!

300 points for paper target and 100 points for silhouettes; maximum score is 400 points.

#### **CLASSES:**

●H700026 **Intermediate** (11-13 years)

●H700027 **Senior** (14-18 years)

#### **AIR PISTOL**

##### **Certified Instructors/Superintendent: Dean Cline**

For the 2023 Fair, participants MUST be at least 9 years old or demonstrate exemplarily marksmanship skills as an 8-year-old. This will be determined by the Certified Instructors.

#### **Air Pistol Requirements:**

\*Single pump only; no pre-charge gas systems

\*.177 caliber only

\*Metallic sights ONLY, no telescopic sights

**Fair Competition:** Differs for Jr., Int., and Sr. Divisions

#### **Paper Target:**

\*7.5 minute time limit per target, 8 targets

\*5 recorded shots at each bullseye, 4 bullseyes per target, total of 40 shots

\*400 points maximum score

\*Target will be the NRA B-40/4 (4 bullseye) paper target

\*Distance is 10 meters (32 feet 9 inches)

#### **Silhouette Targets:**

\*2 minute time limit per record shot

\*2-5 points for each 'dead' target. 'Dead' target is a target that has been knocked over.

\*NRA 1/10<sup>th</sup> scale

\*Chickens @ 10 yards

\*Pigs @ 12.5 yards

\*Turkeys @ 15 yards

\* Rams @ 18 yards

\*\*\*\* Above stated rules will be for outdoor shooting with good weather conditions. Superintendents/Discipline Leaders reserve the right to change distances, move silhouette match indoors, or cancel silhouette match if conditions are not favorable or safe!

#### **CLASSES:**

●H700028 **Junior** (9-10 years old) - Seated, supported with 2 hands. Supported is: only butt and hands can be supported on a single bag. Will only shoot the paper targets: 40 shots. Maximum score is 400

●H700029 **Intermediate** (11-13 years old) - Standing 1 or 2 handed. Will shoot both paper targets and silhouettes

●H700030 **Senior** (14-18 years old) - Standing 1 handed only. Will shoot both paper targets and silhouettes.

#### **.22 PISTOL**

##### **Certified Instructors/Superintendent: Dean Cline**

Any shooter MUST have a Hunter Safety/Education Certification and provide a copy to the Instructor prior to being allowed to participate in practices and the fair.

#### **.22 Pistol Requirements:**

\*Any .22 caliber pistol; no magnums

- \*Must be able to hold at least 5 rounds
- \*Any metallic sights; no telescopic or any other optical aid
- \*Standard ammunition only; lead projectile only
- \*NO hollow points, hot loads “Stingers”, sub-sonic, or jacketed ammunition

**Fair Competition:** Differs for Jr., Int., and Sr. Divisions

**Paper Target:**

- \*Shooting distance is 50 feet

**Slow Fire:**

- \*Official Target is the NRA B-2
- \*10 shots in 10 minutes
- \*Will shoot 2 strings, 1 string single-hand and 1 string double-handed
- \*Total is 200 points

**Timed Fire:**

- \*Official Target is the NRA B-3
- \*5 shots per in 20 seconds, 2 strings
- \*Will shoot 4 strings total; 2 strings single-hand and 2 strings double-handed
- \*Total is 200 points

**Rapid Fire:**

- \* Official Target is the NRA b-3
- \*5 shots per in 10 seconds, 2 strings
- \*Will shoot 4 strings total; 2 strings single-hand and 2 strings double-handed
- \*Total is 200 points

**Grand Total is 600 points.**

**CLASSES:**

- H700036 Intermediate** (11-13 years old) - Standing 1 or 2 handed. Will shoot both paper targets and silhouettes
- H700037 Senior** (14-18 years old) - Standing 1 handed only. Will shoot both paper targets and silhouettes.

**ARCHERY**

**Certified Instructors/Superintendents: Sharon Schluterbusch & Michelle Pohl**

**Fair Competition:**

The targets and number of arrows scored for the competition will be determined by the Superintendents/Discipline Leaders on the day of the match.

- \*Targets - A combination of 3D and bag type targets will be used
- \*Scoring – Any arrow that bounces off of a target and does NOT stick, will be scored as a 0 point shot. Any arrow that hits a non-animal part of a 3D target will be scored as a 0 point shot.
- \*Adults – Junior shooters may have help from an adult to nock the arrow correctly.

Only archery volunteers and instructors are allowed past the firing line at any time during the competition and these individuals will pull arrows.

**1) TRADITIONAL/BARE BOW:** Re-curve, Long and Compound bows allowed with NO accessories other than whisker biscuits. Juniors MUST draw the arrows by hand only, no mechanical releases. Intermediate and Seniors may draw arrows by hand or use a mechanical release.

**CLASSES:**

- H700031 Junior Traditional/Bare Bow** (8-10 years) - Junior: 10 yards
- H700032 Intermediate Traditional/Bare Bow** (11-13 years) - Intermediate: 15 yards
- H700033 Senior Traditional/Bare Bow** (14-18 years) - Senior:

20 yards

**2) FREESTYLE:** Intermediate and Senior classes only. Arrows may be drawn by hand or use a mechanical release. No limit on sights, stabilizers, or counter

balances.

**CLASSES:**

●**H700034 Intermediate Free-Style** (11-13 years) - Intermediate: 15 yards

●**H700035 Senior Free-Style** (14-18 years) - Senior: 20 yards

### SHOTGUN

**Certified Instructor/Superintendent: Anthony Sacco**

Any shooter MUST have a Hunter Safety/Education Certification and provide a copy to the Instructor(s) prior to being allowed to participate in practices and the fair.

**DIVISIONS:**

\*Intermediate: 11-13 years old

\*Senior: 14-18 years old

**Shotgun and Ammunition Requirements:**

\*Any shotgun 12 gauge or smaller

\*NO Damascus barrels

\*Shot size allowed is 7 ½ to 9

\*NO magnum loads allowed

\*Factory ammunition ONLY; NO reloads

\*NO release trigger systems allowed

**Safety regulations:**

\*Guns shall remain unloaded and actions shall always remain open, except when it is each individuals time to shoot

\*NEVER move from a station with a loaded gun

\*All duds and misfire shells must be removed from the grounds by an adult, do NOT leave them on the ground or in a trash can

\*Check barrel with a ram rod after any abnormal discharge, this MUST be done by a range officer, parent or Superintendent/Certified Instructor

\*Pick up your empty shells AFTER the competition is completed and your firearm is safely put away

**Fair Competition:**

\*Competition will consist of 2 rounds of 25 clays each, total of 50 clays.

\*Shooting will be from the 16 yard mark

\*Ties will be broken by a shoot-off. Distance and number of clays will be determined at the time of the tie break by the Superintendent(s).

Superintendents/Discipline Leaders reserve the right to change distances or postpone matches if conditions are not favorable or safe!

**CLASSES:**

●**H700040 Intermediate** (11-13 years old)

●**H700041 Senior** (14-18 years old)

## **ENTOMOLOGY**

Entomology exhibits give 4-H'ers the opportunity to demonstrate their knowledge about insects and insect displays. This category has multiple projects that allows 4-H'ers to progress over numerous years. For help getting started with this project contact your county 4-H extension office.

**Rules:**

1. Specimens in display collections should be mounted properly and labeled with location, date of collection, name of collector, and order name. Follow mounting and labeling instructions in the

Nebraska 4-H Entomology Manual. Boxes are preferred to be 12" high X 18" wide, and landscape orientation, so they fit in display racks. Purchase of commercially-made boxes is allowed. All specimens are to be pinned and labeled by the exhibitor. No purchased specimens allowed.

2. No projects over 50 pounds allowed.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Exhibitors may, and should, correct and update collections for competition at the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at: <https://go.unl.edu/ne4hentomology>.

**Special Awards:**

Premier 4-H Science Award is available in this area. Please see <https://4hfairbook.unl.edu/fairbookview.php/contests/51> for more details.

**DIVISION 800 ENTOMOLOGY**

**CLASSES:**

- **H800001 Entomology Display, First-Year Project (SF186)** – Collection to consist of 25 or more different kinds (species) of insects representing at least 6 orders. Limit of one box.
- **H800002 Entomology Display, Second-Year Project (SF186)** - Collection to consist of a minimum of 50 kinds (species) of insects representing at least 8 orders. Replace damaged or poorly mounted specimens. At least 25 species must be present from after July 1 of the previous year. Limit 2 boxes.
- **H800003 Entomology Display, Third-Year or More Project (SF186)** - Collection to consist of a minimum of 75 kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. At least 25 species must be present from after July 1 of previous year. Limit of 3 boxes.
- **H800004 Special Interest or Advanced Insect Display (SF187)** - Educational display developed according to personal interests and/or advanced identification capability. This is also an opportunity to highlight favorite insects in a creative arrangement. Insects should conform to pinning and mounting standards as in Classes 1-3 and be protected in an insect box. Each specialty display should include names of the insects, interesting information about them, and why the display was made. Advanced identification collections should have insects grouped with labels that correspond with identification level (e.g. family, genus, species). A specialty collection may consist of insects by taxonomic group (e.g. butterflies, grasshoppers, dragonflies, scarab beetles) or by host, subject, or habitat (e.g. insect pests of corn, aquatic insects, insect mimicry, insects galls, insect from goldenrod, insect pollinators, etc.).
- **H800005 Insect Habitats (SF186)** - Habitats consist of any hand-crafted objects, made of natural or artificial materials, placed outdoors, which promote or conserve insects in the environment. Insects may include bee pollinators, butterflies, beneficial insects, etc. A one-page report describing activities must accompany the exhibit. Report should include placement, target insect, why materials were chosen, functional design, and indicators of success. See the following resources for reports:
  - \*Nebraska Extension NebGuide: Creating a Solitary Bee Hotel (G2256)
  - \*University of Minnesota: Wild Bees and Building Wild Bee Houses
  - \*National Wildlife Federation: How to Provide Water in Monarch Gardens
- **H800006 Macrophotography (SF189)** - Subjects should be insects, spiders or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be either 8" x 10" or 8½" x 11" and mounted on rigid, black 11" X 14" poster or mat board. Either orientation is acceptable. No frames or mat board framing is allowed. A caption of a few sentences should explain the subject and be printed on white paper and glued below

the print on the poster board.

- **H800007 Insect Poster/Display Exhibits (SF190)** - Exhibits can be posters or three-dimensional displays, and artistic creativity is encouraged. Posters should be no larger than 22" x 28". They should be instructional and can be attractive and have pictures, drawings, charts, or graphs. Posters and displays may show any aspect of insect life, habitat, or related conservation or management. Examples include life history and other facts about an insect; insect anatomy; how to manage insects in a farm, home, lawn, or garden setting; experiences rearing one kind of insect; survey of an important insect; insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers, or lakes) and what insects are found there, etc. Three-dimensional displays, such as dioramas, sculptures, models or decorative boxes should have a page of explanatory information accompanying them and fit within a 22" x 28" area.
- **H800008 Reports or Journals (SF191)** - Reports and journals should be in a 3-ring binder. A report may be informational, that is, an original article about a favorite insect, a history of insect outbreaks, diseases caused by insects, insects as food, etc. Or, it may be a research report about an investigation or experiment done in a scientific manner. It then should have a basic introduction of the insect studied, methods used, observations, and results of the project. Tables, graphs and images are helpful to include. A journal is an observational study over a period of time with personal impressions. It may cover watching changes in kinds of butterflies over the summer, rearing a specific insect from egg to adult, managing a bee hive, observations of insects in a specific habitat, accounts of insect behavior in a forest or flower garden, etc.

#### **Resources:**

##### **Entomology**

Learn the difference between an insect and a bug; Identify insect parts and know why each is important; Find and examine bugs and insects in the field; Design your own insect or create a home for an insect; Make an insect collection; Learn where to look for insects; Learn how to identify and classify insects; Complete an insect collection table; Plan an insect collection trip; Raise meal worms; Explore insect legs and collect insects with an extractor; Test ant food preferences; Conduct honey bee learning experiments; Record insect observations; Identify insect mouth types

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/61](https://4hcurriculum.unl.edu/index.php/main/program_project/61)

## **FORESTRY**

This category provides 4-H'ers an opportunity to prepare displays that shows their expertise in many aspects of forestry. Involvement in this category will lead to expansion of seed, twig, wood, leaf, and tree knowledge for 4-H'ers. In addition, participants would learn more about common Nebraskan trees. For more information about tree classification visit this website [https://4hcurriculum.unl.edu/index.php/main/program\\_project/65](https://4hcurriculum.unl.edu/index.php/main/program_project/65)

#### **Rules:**

1. The official reference for all forestry projects is the Tree Identification Manual (4-H 332) <https://marketplace.unl.edu/ne4h/4h332.html> which was recently revised and is available for purchase from UNL Marketplace. Other helpful forestry references include Trees of Nebraska (EC 92-1774-X), Leafing Out (4-H431) and Plant a Tree (EC 17-11-80). <https://marketplace.unl.edu/ne4h/leafing-out.html>
2. Display "boards" must be made from wood or wood composite, e.g. plywood, fiberboard, or masonite, 1/4" to 1/2" thick and no larger than 24" x 24". Display boards may be coated, e.g., painted or varnished, on both sides to prevent warping.
3. Display "posters" must be made from a material, e.g. foam board or poster board, that will stand upright without buckling, and be no larger than 24" x 24".
4. Display "books" must measure no more than 16" x 16".
5. At least 5 of the 10 samples in Class 2, 3, 4, and 5 must be from the list of 60 species described in 4-H 332. Samples must be from



10 different tree species. For example, Emerald Queen Maple and Crimson King Maple are both varieties of the same species (Norway Maple), and thus have the same genus and species name, i.e. *Acer platanoides*. All samples must be from trees, NO shrubs. If more than 10 samples are included in the display, only the first 10 samples from the current year will be judged.

6. Due to emerald ash borer infestation, no true ash species (Green Ash, White Ash, Black Ash, or Blue Ash) may be included in any collections. Inclusion of a true ash species will result of the project being disqualified.

7. Remember that other general labeling standards apply. For example, scientific names are always italicized or underlined. Also, the first letter of a Genus name is always capitalized. The first letter of a species name is always lower case. When required, always indicate complete scientific names (Genus and species) and common names, (e.g. Norway Maple) even when "variety names" are included. For example, the scientific name of Emerald Queen Maple is *Acer platanoides* and the common name is Norway maple. "Emerald Queen" may be included as the variety name, but variety names are not required.

8. How well the exhibitor follows written directions is an important factor in judging.

#### **Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

#### **Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne-4hforestry>.

#### **Special Awards:**

Premier 4-H Science Award is available in this area. For more details about this award visit this website <https://4h.unl.edu/fairbook/premier-science-award>

### **DIVISION 320 FORESTRY**

#### **CLASSES:**

●**D320001 Design Your Own Exhibit** - Prepare an educational exhibit about some aspect of trees, forests, or forestry that is of special interest to you. Possible topics include paper recycling, wildfire, forest products, forest wildlife, or forest pests. The only requirement is that the display must be no larger than 24 inches by 24 inches by 24 inches. Photographs, drawings, samples, charts, posters, etc. can be used, but include enough information to adequately explain the topic. Your display should be substantially different from other display classes. Be as creative as you like.

●**D320002 Leaf Display** - The leaf display must include samples of "complete leaves" from at least 10 different tree species. The display must include at least two samples of simple leaves, compound leaves, and conifer leaves. Leaves should be pressed, dried, and mounted.

\***Collection:** Whenever possible, collect leaves from mature trees. Collect leaves any time after they have reached full size, usually beginning in early summer. Leaf samples should be in good condition and representative of the average leaves on the tree. Keep in mind that shaded leaves are often much larger than normal. Carefully remove leaves from the twig with the entire petiole or rachis intact. After collection, fresh leaf samples can be temporarily stored within the pages of an old magazine, but they should be properly pressed and dried for display. Be sure to record pertinent information during collection. All collection must be done by the exhibitor. o

\***Mounting:** Leaves may be displayed in a notebook or on a display board. Any method may be used to mount leaves, e.g. wire, glue, tape, staples, plastic bags, but be sure all their features can be clearly identified.

\***Labeling:** The label for each sample must include: 1. common name 2. scientific name 3. leaf type 4. leaf arrangement (for broadleaf trees) 5. leaf composition (for broadleaf trees) 6. collector's name 7. collection date 8. collection location (be specific, state and county at a minimum) If a twig is included with a sample, indicate "twig included" on the label. For example, the twig may be included with an eastern red cedar sample because the leaves are very small and difficult to remove from the twig.

**\*Supplemental information:** e.g. general uses, common products, fall color, etc., may be included to enhance educational value.

●**D320003 Twig Display** - The twig display must include twig samples from at least 10 different tree species. The display must include at least two samples of opposite and alternate leaf arrangements from broadleaf trees.

**\*Collection:** Twig samples should be collected during the dormant season (November – April) when the buds are mature. Twig samples must be at least 6 inches long and exhibit buds. Leaves must be removed and side branches must be trimmed to less than 1 inch in length. All collection must be done by the exhibitor.

**\*Mounting:** Twigs must be mounted on a display board. Any method, e.g. wire, glue, tape, staples, plastic bags, etc., may be used to mount twigs, but be sure all features can be clearly identified. The non-terminal end must be cut at a slant so the pith can be seen.

**\*Labeling:** The label for each sample must include: 1. common name 2. scientific name 3. leaf arrangement (for broadleaf trees) 4. collector's name 5. collection date 6. collection location (be specific, state and county at a minimum)

**\*Supplemental information:** e.g. general uses, tree characteristics, etc., may be included to enhance educational value.

●**D320004 Seed Display** - The seed display must include seed samples from at least 10 different tree species.

**\*Collection:** Tree seeds should be collected at the time of year when they mature, which varies widely depending upon tree species. For example, Silver maple seeds mature in May while red oak acorns do not mature until September. Seed samples should be free of insect or disease symptoms. Remember to display seeds, not fruit. For example, the seed of honeylocust is enclosed in a pod. Remove and display the seed, not just the pod. It is acceptable to display the fruit with the seed, but clearly label each. All collection must be done by the exhibitor.

**\*Mounting:** Seeds may be displayed in a variety of ways, e.g. mounted on a display board, displayed in jars in a rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.

**\*Labeling:** The label for each sample must include: 1. common name 2. scientific name 3. type of fruit, if known (e.g. samara, pod, nut, legume, etc.) 4. collector's name 5. collection date 6. collection location (be specific, state and county at a minimum)

**\*Supplemental information:** e.g. maturity date, average number of seed in the fruit, etc., may be included to enhance educational value.

●**D320005 Wood Display** - The wood display must include wood samples from at least 10 different tree species.

**\*Preparation:** Samples may be of any shape, e.g. sections from a board, wood cylinders turned on a lathe, horizontal or vertical cross-sections of a small log with bark attached, etc., but all samples should be the same shape, e.g. all wood cylinders or all sections of a board. Each sample can be no larger than 4 inches by 4 inches by 4 inches. Cut surfaces should be sanded to show the grain. Treating samples with a clear finish (no stain) is optional. All collection must be done by the exhibitor.

**\*Mounting:** Samples may be displayed in a variety of ways, e.g. mounted on a display board, displayed in a box or rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.

**\*Labeling:** The label for each sample must include: 1. common name 2. scientific name 3. wood type (softwood or hardwood) 4. collector's name 5. collection date 6. collection location (be specific, state and county at a minimum)

**\*Supplemental information:** e.g. common products, wood density, etc., may be included to enhance educational value.

●**D320006 Cross Section Display** - a disc cut from a tree species listed in 4H 332. The sample must be collected, by the exhibitor, within one year of the state fair judging day. The disc must measure 6 to 12 inches in diameter and 1 to 3 inches thick. The bark should be firmly attached, which may be difficult if the tree was dead when the disc was cut. Sand at least one side of the disc so the grain can be easily seen. If the disc is treated with a clear finish, both sides must be treated to minimize warping. As the disc dries, some cracking or checking can be expected and is allowed.

\***Labeling:** The following parts must be clearly and accurately labeled on the cross section with pins, paper tags, or some other form of identification: 1. Pith 2. Heartwood 3. Sapwood 4. One growth ring (beginning and end) 5. Cambium 6. Bark. A separate label attached to the back of the disc must include: 7. Common name 8. Scientific name 9. Tree classification (softwood or hardwood) 10. Age (of the cross section) 11. Collector's name 12. Collection date 13. Collection location (be specific, state and county at a minimum)

●**D320007 Parts of a Tree** - (This project is only for ages 8 – 11) Prepare a poster, no larger than 24 inches x 24 inches that clearly identifies the main external parts of any tree: 1. Trunk 2. Crown 3. Roots 4. Leaves 5. Flowers 6. Fruit 7. Buds 8. Bark Identifying other internal parts, e.g. phloem, xylem, cambium, annual ring, pith, etc., is optional. Attach a separate label on the back of the poster that includes the exhibitor's name and age.

●**D320008 Living Tree Display** - a living tree seedling grown by the exhibitor from seed in the display container. The seed must be from a species listed in 4H 332. The seedling must be 60 days to 1 year old (on State Fair judging day). The display container must contain at least 8 inches of soil (potting mix or suitable natural soil), have a drainage hole(s), and a drain pan to catch drainage water.

\***Labeling:** A waterproof label must be attached and include: 1. common name 2. scientific name 3. seed treatments (if any) 4. planting date 5. emergence date 6. collector's name

\***Supplemental information about the tree:** e.g. where the seed was collected, growth measurements, uses for that species, etc., may be included in an attached notebook, poster, etc. to enhance educational value. Supplemental information will be an important factor in judging.

●**D320009 Forest Product Display** - Prepare a visual display and/r collection tracing the origin of one non-lumber product that comes from trees and/or forests. The display must be no larger than 24 inches by 22 inches by 28 inches. Photographs, drawings, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 22" x 28" and may be either vertical or horizontal. The contestant must identify what species of tree the product is derived from and where the product is harvested, grown, or otherwise collected. The product listed must be partially or fully derived from trees; if partial the approximate percentage should be articulated in the display.

\*The goal of this exhibit is for students to learn that many products come from trees and forests and to explore one of these products through in-depth study.

\***Information about the tree or forest product:** e.g. information about harvesting, processing, industry information, and environmental or other benefits may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

\*Personal interviews with industry professionals are encouraged as a source of information.

●**D320010 Forest Health Display** - Prepare a visual display outlining a specific forest health issue such as a tree disease, insect pest, animal- or human-caused damage, or an abiotic issue such as weather damage. The display must be no larger than 24 inches by 24 inches by 24 inches. Original photographs, drawings, samples, charts, posters, etc. can be used. Actual specimens are strongly encouraged but must be properly preserved, i.e. insects pinned or placed in vials of alcohol, leaves pressed and dried. Posters

submitted may be no larger than 24 inches x 24 inches.

\*Explain through the display what species of trees the health issue affects, diagnostic features of the issue (symptoms in trees, identifying features of the pest, etc.), and management options.

\*Include common and scientific names of trees and pests.

\*Supplemental information about the tree or forest health issue: e.g. origin, proliferation in Nebraska/United States, and physiological effects on the tree may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

\* Attach a separate label on the back of the display that includes the exhibitor's name and age.

- **D320011 Wildfire Prevention Poster** - Prepare a poster, no larger than 24 inches x 24 inches that promotes wildfire prevention strategies. Strategies articulated in the poster can include personal and/or land management actions. Attach a separate label on the back of the poster that includes the exhibitor's name and age.

\*Supplemental information about wildfire prevention should be attached to the poster: e.g. frequency of wildfires in Nebraska/ United States, financial costs of wildfires, environmental factors that contribute to wildfires, etc. to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information

- **D320012 Sustainable Landscape Diorama** - Box must be no larger than 24" x 24". The exhibit must show a Nebraska landscape that includes elements such as windbreaks, fields, pastureland, CRP, public lands, community/municipal landscapes. The goal of this exhibit is for students to articulate conservation and sustainability best-practices that can be implemented on a landscape, while addressing landowner and other stakeholder interests.

\*Label point/nonpoint sources of pollution, carbon sequestration, water-wise practices, wildfire prevention strategies, renewable energy sources, and other conservation practices as well as at least 10 species of plants included in the diorama.

\*Attach to the exhibit a brief report including supplemental information describing the diorama, defining conservation practices, and outlining opportunities for landscape improvements to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

- **D320013 Tree Planting Project Display** - Plant a tree in your community. Prepare a visual display where the student articulates proper tree planting techniques, why the individual tree species was chosen, as well as steps taken to continue care for the tree after initial planting. The display must be no larger than 24 inches by 24 inches by 24 inches. Photographs, drawings, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 24 inches x 24 inches. The tree must have been planted 60 days to 1 year before State Fair judging day. Students must obtain permission from necessary authorities and property owners before planting any trees.

\*Labeling: the following information about the tree must be included in the display: 1. common name 2. scientific name 3. planting location 4. planting date 5. tree source 6. planter's name 7. proper tree planting steps 8. tree care (after planting)

\*Supplemental information about the tree: e.g. why the species was chosen, growth measurements, uses for that species, etc., may be included in an attached notebook, poster, etc. to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

## **Resources:**

### **Tree Identification**

Learn to use a dichotomous key to classify trees; Identify common Nebraska trees

## FOOD & NUTRITION

The purpose of Food & Nutrition exhibits is to encourage the knowledge about healthy eating and safe cooking practices. This category has multiple projects that allow 4-Hers to progress over numerous years. In addition, 4-Hers will learn different types of cooking methods to improve their knowledge of cuisine. For more resources and materials in this category refer to the resource section at the bottom of the page.

### Rules:

**1. Supporting Information:** - Each exhibit must include the recipe. Recipe may be handwritten, photocopied or typed. Place food on the appropriate sized plate or container and put in self-sealing bag. Attach entry tag and recipe at the corner of the bag. For non-food entries, please attach the entry tag to the upper right hand corner of the entry. Additional information including recipes and supplemental information should be identified with 4-Her's name and county.

**2. Criteria for Judging:** - Exhibits will be judged according to score sheets available at your local Extension office or at <http://4h.unl.edu/fairbook>. Make sure to follow all entry instructions required for your exhibit. Incomplete exhibits will be lowered a ribbon placing. Commercially prepared mixes are ONLY allowed in Cooking 201 Creative Mix Class. Prepared baking mixes, biscuit mixes, commercially prepared seasoning mixes for food preservation, and other pre-made mixes entered in other categories will be lowered a ribbon placing.

**3. Food Projects:** Exhibits should be entered using a disposable pan or plate and covered by a plastic self-sealing bag. The State Fair is not responsible for non-disposable containers, lost bread boards, China, or glassware.

**4. Ingredients:** Any ingredient that the 4-Her uses must be able to be purchased by the 4-H'er. Ingredients such as beer, whiskey, rum, etc, may NOT be used in any recipe file or food exhibit. Exhibits that include alcohol will be disqualified.

**5. Food Safety:** Exhibits are on display for several days. Please think FOOD SAFETY! Items that require refrigeration will not be accepted, judged, or displayed as exhibits must be safe to eat when entered, whether they are tasted or not. Glazes, frostings and other sugar based toppings are considered safe due to their high sugar content. Egg glazes on yeast breads and pie crusts BEFORE baking are acceptable. Eggs incorporated into baked goods and crusts are considered safe. The following food ingredients are considered unsafe for fair exhibits and will be disqualified:

- \*Egg or Cream cheese fillings and cream cheese frostings
- \*Any meat item including meat jerky, imitation meat bits (bacon bits, pepperoni, etc.)
- \*Melted cheese on top of food exhibit toppings (cheese mixed into baked goods is considered safe and will be accepted)
- \*Uncooked fruit toppings (i.e., fresh fruit tart)

### Eligibility:

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

### State Quota:

#### Cooking 201-401:

- \***Exhibitor:** Only one entry per class per exhibitor
- \***County:** Up to 8 entries per division

#### Food Preservation & General Foods:

- \***Exhibitor:** Only one entry per class per exhibitor
- \***County:** Up to 5 entries per division

### Scoresheets, Forms, and Contest Study Materials:

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne-4hfood-nutrition>.

## DIVISION 401 COOKING 101-COUNTY ONLY

### CLASSES:

- E401001 Cookies** (any recipe)-Four on a paper plate.
- E401002 Muffins** (any recipe)-Four on a paper plate
- E401003 Baking Mix in a Jar.**
- E401004 Brownies** (any recipe)- Four on a paper plate
- E401005 Cupcakes** (any recipe)- Four on a paper plate. May be frosted but not decorated. Frosting must follow general rules guidelines.
- E401006 Intergenerational** recipe card with a story of baking experience. Story of why you chose that particular recipe, what they learned from baking partner.
- E401007 Table Setting** should include the following items: Dinnerware (plates, cups, saucers, and bowls), Glassware (glasses of all shapes and sizes), Flatware (forks, spoons, and knives), Napkins, Centerpiece, Placemats or tablecloths (optional)

## DIVISION 410 COOKING 201

### CLASSES:

- E410001 Loaf Quick Bread** (SF123) - any recipe, at least  $\frac{3}{4}$  of a standard loaf displayed on a paper plate) Quick bread is any bread that does not require kneading or rising time and does NOT include yeast. A standard quick bread loaf measures approximately 8  $\frac{1}{2}$ " x 4  $\frac{1}{2}$ " or 9" x 5". If mini-loaf pans are used for exhibit, two loaves must be presented for judging.
- E410002 Creative Mixes** (SF142) - any recipe, at least  $\frac{3}{4}$  of baked product or 4 muffins or cookies on a paper plate. May be baked or in a disposable pan. Baked item made from a mix (commercial or homemade mixes acceptable). Food product must have been modified to make a new or different baked item. Examples include poppy seed quick bread from a cake mix, cake mix cookies, sweet rolls made from readymade bread dough, monkey breads from biscuit dough, streusel coffee cake from a cake mix, etc. Write what you learned about making this product using a mix instead of a homemade recipe or recipe "from scratch". Does it make it better or easier to use a convenience product or mix? Why or why not?
- E410003 Biscuits or Scones** (SF136) - four biscuits or scones on a small paper plate. This may be any type of biscuit or scone: rolled, or dropped. Any recipe may be used, but it must be a non-yeast product baked from scratch.
- E410004 Healthy Baked Product** (SF124) - any recipe, at least  $\frac{3}{4}$  of baked product or 4 muffins/cookies on a paper plate or in a disposable pan. Recipe must contain a fruit or vegetable as part of the ingredients (Ex. banana bars, cantaloupe quick bread, zucchini muffins, etc.).
- E410005 Coffee Cake** (SF129) - any recipe or shape, non-yeast product - at least  $\frac{3}{4}$  of baked product on a paper plate or in a disposable pan. Include menu for a complete meal where this recipe is served, following meal planning guidelines suggested in Cooking 201.
- E410006 Baking with Whole Grains** (SF134) - any recipe, at least  $\frac{3}{4}$  of baked product or 4 muffins/cookies on a paper plate or in a disposable pan. Recipe must contain whole grains as part of the ingredients. (Ex. whole wheat applesauce bread, peanut butter oatmeal cookies, etc.)
- E410007 Non-Traditional Baked Product** (SF133) - exhibit must include a food product prepared using a non-traditional method (i.e. bread machine, cake baked in an air fryer, baked item made in microwave, etc.) Entry must be at least  $\frac{3}{4}$  baked product, or 4 muffins or cookies on a paper plate or in a disposable pan. Entry must include supporting information that discusses alternative preparation method and how it compares with traditional method.

## DIVISION 411 COOKING 301

### CLASSES:

- **E411001 White Bread** (SF138) - any yeast recipe, at least 3/4 of a standard loaf displayed on a paper plate.
- **E411002 Whole Wheat or Mixed Grain Bread** (SF138) - any yeast recipe, at least 3/4 of a standard loaf displayed on a paper plate.
- **E411003 Specialty Rolls** (SF138) - any yeast recipe, 4 rolls on a paper plate. May be sweet rolls, English muffins, kolaches, bagels, or any other similar recipe that makes individual portions.
- **E411004 Dinner Rolls** (SF138) - any yeast recipe, 4 rolls on a paper plate. May be cloverleaf, crescent, knot, bun, bread sticks, or any other type of dinner roll.
- **E411005 Specialty Bread** (SF141) - any yeast recipe, includes tea rings, braids, or any other full-sized specialty bread products. Must exhibit at least 3/4 of a full sized baked product. May be baked in a disposable pan.
- **E411006 Shortened Cake** (SF137) - Must exhibit at least 3/4 of the cake (recipe must not be from a cake mix). Shortened cakes use fat for flavor and texture and recipes usually begin by beating fat with sugar by creaming and include leavening agents in the recipe. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frostings allowed).

**Rules:**

1. Any bread item prepared or baked using a bread machine should be entered under the Cooking 201, Non-Traditional Baked Product. All exhibits made in the Cooking 301 or Cooking 401 projects must have been prepared without the assistance of a bread machine for mixing, raising, or baking of the food item.

**DIVISION 412 COOKING 401**

**CLASSES:**

- **E412001 Double Crust Fruit Pie** (SF144) - made with homemade fruit filling. No egg pastries or cream fillings. No canned fillings or premade pie crusts. May be a double crust, crumb, cut-out or lattice topping. Using an 8- or 9-inch disposable pie pan is recommended.
- **E412002 Family Food Traditions** (SF145) - any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Any baked item associated with family tradition and heritage. Entry must include (A) recipe, (B) tradition or heritage associated with preparing, serving the food, (C) where or who the traditional recipe came from.
- **E412003 Ethnic Food Exhibit** (SF146) - any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate or may be baked in a disposable pan. The name of the country, culture or region should be included as part of the supporting information with the recipe, as well as background information about the country or culture the food item is representing.
- **E412004 Candy** (SF147) - any recipe, 4 pieces of candy on a paper plate or 1/2 cup. No items containing cream cheese will be accepted (Example: cream cheese mints). Candy may be cooked or no cook; dipped, molded, made in the microwave or other methods of candy preparation. Recipe must be included.
- **E412005 Foam Cake** (SF138) - original recipe (no mixes) of at least 3/4 of the cake. Foam cakes are cakes that have a high ratio of eggs to flour and fall into three categories: angel food cakes or meringues; sponge or jelly roll cakes; and chiffon cakes. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frostings allowed).
- **E412006 Specialty Pastry** (SF143) - any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate or, May be baked in a disposable pan. Baked items such as pie tarts, puff pastry, phyllo doughs, biscotti, choux, croissants, Danish, strudels. Phyllo dough may be pre-made or from scratch. Pastries made with cream or egg based fillings will be disqualified.

**Rules:**

1. Any bread item prepared or baked using a bread machine should be entered under the Cooking 201. All exhibits made in the

Cooking 301 or Cooking 401 projects must have been prepared without the assistance of a bread machine for mixing, raising, or baking of the food item.

## FOOD PRESERVATION

### DIVISION 407

#### UNIT 1 FREEZING

##### CLASS:

- E406001 Baked Item made with Frozen Produce (SF155)** - any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate or. May be baked in a disposable pan. Recipe MUST include a food item preserved by the freezing method done by the 4-H'er. Ex. Peach pie, blueberry muffins, zucchini bread, etc. Supporting information must include both the recipe for the produce that was frozen as part of this project AND the baked food item.

#### UNIT 2 DRYING

##### CLASSES:

- E407001 Dried Fruits ( SF154)** - exhibit 3 different examples of 3 different dried fruits. Place each dried fruit food (6-10 pieces of fruit, minimum 1/4 cup) in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.
- E407002 Fruit Leather ( SF154)** - exhibit 3 different examples of 3 different fruit leathers. Place a 3-4" sample of each fruit together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.
- E407003 Vegetable Leather (SF154)** - exhibit 3 different examples of 3 different vegetable or vegetable/fruit leather combo. Place a 3-4" sample of each leather together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.
- E407004 Dried Vegetables (SF149)** - exhibit 3 different samples of 3 different dried vegetables. Place each food (1/4 cup of each vegetable) in a separate self-sealing bag. Use a rubber band or "twisty" to keep exhibit together.
- E407005 Dried Herbs (SF149)** - exhibit 3 different samples of 3 different dried herbs. Place each food (1/4 cup of each herb) in a separate self-sealing bag. Use a rubber band or "twisty" to keep exhibit together.
- E407006 Baked Item made with Dried Produce/Herbs (SF156)** - any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate or. may be baked in a disposable pan. Recipe MUST include a dried produce/herb item made by the 4-H'er. Ex. Granola bar made with dried fruits, dried cranberry cookies, Italian herb bread, lemon thyme cookies. Supporting information must include both the recipe for the dried produce/herb AND the baked food item.

#### UNIT 3 BOILING WATER CANNING

##### CLASSES:

- E408001 1 Jar Fruit Exhibit (SF150)** - exhibit one jar of a canned fruit. Entry must be processed in the boiling water bath according to current USDA recommendations.
- E408002 3 Jar Fruit Exhibit (SF150)** - exhibit 3 jars of different canned fruits. May be three different techniques for same type of product, ex. Applesauce, canned apples, apple pie filling, etc. Entry must be processed in a boiling water bath according to current USDA recommendations.
- E408003 1 Jar Tomato Exhibit (SF150)** - exhibit one jar of a canned tomato product. Entry must be processed in a boiling water bath according to current USDA recommendations.
- E408004 3 Jar Tomato Exhibit (SF150)** - exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a boiling water bath according to current USDA recommendations.



- E408005 1 Jar Pickled Exhibit** (SF150) - one jar of a pickled and/or fermented product. Entry must be processed in a boiling water bath according to current USDA recommendations.
- E408006 3 Jar Pickled Exhibit** ( SF150) - exhibit 3 jars of different kinds of canned pickled and/or fermented products. Entry must be processed in a boiling water bath according to current USDA recommendations.
- E408007 1 Jar Jelled Exhibit** (SF153) - exhibit one jar of a jam, jelly or marmalade. Entry must be processed in a boiling water bath according to current USDA recommendations.
- E408008 3 Jar Jelled Exhibit** (SF153) - exhibit 3 different kinds of jelled products. Entry may be made up of either pints or half pints (but all jars must be the same size). Entry must be processed in a boiling water bath according to current USDA recommendations.

#### **UNIT 4 PRESSURE CANNING**

##### **CLASSES:**

- E414001 1 Jar Vegetable or Meat Exhibit** (SF150) - exhibit one jar of a canned vegetable or meat. Include only vegetables or meats canned in a pressure canner according to current USDA recommendations.
- E414002 3 Jar Vegetable Exhibit** (SF150) - exhibit 3 jars of different kinds of canned vegetables. Include only vegetables canned in a pressure canner according to current USDA recommendations.
- E414003 3 Jar Meat Exhibit** (SF150) - exhibit 3 jars of different kinds of canned meats. Include only meats canned in a pressure canner according to current USDA recommendations.
- E414004 Quick Dinner** (SF151) - exhibit a minimum of 3 jars to a maximum of 5 jars (all the same size) plus menu. Meal should include 3 canned foods that can be prepared within an hour. List complete menu on a 3" X 5" file card and attach to one of the jars. Entry must be processed according to current USDA recommendations.
- E414005 1 Jar Tomato Exhibit** (SF150) - exhibit one jar of a canned tomato product. Entry must be processed in a pressure canner according to current USDA recommendations.
- E414006 3 Jar Tomato Exhibit** (SF150) - exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a pressure canner according to current USDA recommendations.

##### **Rules:**

1. **Processing Methods:** Current USDA processing methods and altitude adjustments must be followed for all food preservation. Jam, preserves and marmalades, fruit, tomatoes and pickled products must be processed in a boiling water bath. Tomatoes may be processed in a pressure canner. All non-acid vegetables and meats must be processed in a pressure canner. Improperly canned or potentially hazardous food items will be disqualified. Spoiled or unsealed container disqualifies entry.
2. **Jars and Lids:** Do not need to be and type of lid should be the same size, all small or large, not necessarily the same brand. Half pint jars may be used for jellies and preserves. The jars are not to be decorated by the exhibitor in any way. Canning jars must be used - others will be disqualified. No one-fourth pint jars allowed. Leave jar rings on for fair display, it helps protect the seal. Two-piece lids consisting of a flat metal disk and a ring should be used. No zinc lids or one-piece lids.
3. **Current Project:** Exhibits must have been preserved since the member's previous year's county fair, and not been exhibited at the previous State Fair.
4. **Criteria for Judging:** Exhibits will be judged according to score sheets available at your local Extension office or the State Fairbook at <https://4h.fairbook.unl.edu/fairbookview.php/rules> at <http://4h.unl.edu/county-fair/scoresheets>. Incomplete exhibits will be lowered a ribbon class. Canned food items not processed according to altitude in the county will be lowered one class ribbon.

Check with your local extension office or this site <https://food.unl.edu/canning#elevation> for your county's altitude and how that affects food processing times and pounds of pressure. The State Fair Board is not responsible for lost, damaged or broken exhibits.

5. **Labeling:** Jars should be labeled with the name of the food item, name of the 4-H'er, county, and date of processing on the bottom of each jar. Exhibits containing multiple jars such as a "3 jar exhibit" should be placed in a container to keep jars together. Each bag containing dried foods should also be labeled with the name of the food item, the name of the 4-H'er, county and drying date. Multiple dried food exhibits should be secured by a rubber band or "twisty" to keep exhibit containing the 3 self-sealing bags together.

6. **Recipe/Supporting Information:** Recipe must be included, and may be handwritten, photocopied or typed. Commercially prepared seasoning mixes are not allowed. Current USDA guidelines for food preservation methods MUST be followed. Suggested sources of recipes include:

\***4-H Food Preservation Manuals** (Freezing, Drying, Boiling Water Bath Canning, Pressure Canning)

\***USDA Guide to Home Canning** [https://nchfp.uga.edu/publications/publications\\_usda.html](https://nchfp.uga.edu/publications/publications_usda.html)

\***Nebraska Extension's Food Website** <https://food.unl.edu/food-preservation> or Extension publications from other states

\***Ball Blue Book** (published after 2009)

\*See <http://food.unl.edu/web/preservation/home> for current USDA guidelines, how to find your Nebraska altitude, and proper procedures for food preservation.

\*Jars should be labeled with name of 4-H'er, county, and date of processing.

7. All exhibits must include the 4-H Food Preservation Card attached to the project as the required supporting information or include following information with exhibit:

\*Name of product

\*Date preserved

\*Method of preservation (pressure canner or water bath canner)

\*Type of pack (raw pack or hot pack)

\*Altitude (and altitude adjustment, if needed)

\*Processing time

\*Number of pounds of pressure (if pressure canner used)

\*Drying method and drying time (for dried food exhibits).

\*Recipe and source of recipe (if a publication, include name and date).

## **DIVISION 350 GENERAL FOODS & NUTRITION**

### **CLASSES:**

●**E350001 Food Science Exploration (SF152)** - Show the connection between food and science as it relates to food preparation, food safety, food preservation, or food production. Exhibit may be a poster or foam core board (not to exceed 22" x 30"), computer based presentation printed off with notes pages, if needed, and displayed in a binder, an exhibit display, a written report in a portfolio or notebook. Consider neatness and creativity.

●**E350002 Foods and Nutrition Poster, Scrapbook, or Photo Display (SF122)** - The project should involve a nutrition or food preparation technique or explore a career related to the food industry (caterer, restaurant owner, food scientist, registered dietitian, etc.). This might contain pictures, captions and/or a report to highlight the concept. Exhibit may be a poster or a foam core board (not to exceed 22" by 30"); a computer-based presentation printed off with notes pages (if needed) and displayed in a binder, an exhibit display, or a written report in a portfolio or notebook. Consider neatness and creativity.

●**E350003 Physical Activity and Health Poster, Scrapbook, or Photo Display (SF122)** - The project should involve a physical activity or explore a career related to physical activity or health (personal trainer, sports coach, physical therapist, etc.). This might

contain pictures, captions and/or a report to highlight the concept. Exhibit may be a poster or a foam core board (not to exceed 22" by 30"), a computer based presentation printed off with notes pages, if needed, and displayed in a binder, an exhibit display, or a written report in a portfolio or notebook. Consider neatness and creativity.

- E35004 Cooking Basics Recipe File** (SF251) - A collection of 10 recipes from any source. Each recipe must accompany a complete menu in which the recipe is used. An additional 10 recipes may be added each year the 4-Her is in the project, with year clearly marked on recipes. Display in a recipe file or binder. Be sure to include the number of servings or yield of each recipe. This may be a continued recipe file project from the previously used 4-H curriculum before 2018. Exhibits that include recipes with alcohol (wine, beer, rum, etc.) will be disqualified.

**Resources:**

**Cooking 101-401**

Learn how to use MyPlate; Learn how to avoid spreading germs while cooking; Learn how to measure and mix ingredients; Learn how to test baked goods for doneness; Learn how to brown meat; Learn how to set the table for a family meal; Understand and prevent foodborne illnesses; Learn how to thaw foods; Learn proper knife techniques; Learn how to read Nutrition Fact labels; Learn how to make soups, rice, pasta, and other foods; Practice making bread, grilling meats, vegetables, and fruit; Learn how to and practice making butter; Learn about yeast, gluten, and different types of fats; Learn about herbs and spices; Learn how to make ethnic foods; Practice making cakes, candy, pastries, and pies

**URL:** <https://4hcurriculum.unl.edu/index.php/main/program/project/194>

## **CAKE & CUPCAKE DECORATING COUNTY ONLY**

### **DIVISION 430 CAKE DECORATING - UNIT 1**

Specify on a 3"x 5" card occasion for cake, tip(s) name and tip(s) number used, techniques used and number of years in cake decorating.

**CLASSES:**

- E430001 One layer decorated cake** - must use two decorating tips.
- E430002 Two layered cake**-using unlimited tips.
- E430003 2-3 layered or tiered, stacked cake or combination tiered or stacked** - Each tier or stack must be 2 layers. Plastic separators may be used.
- E430004 Decorated Cupcakes or Cookies** - 3 or more decorated cupcakes or cookies. May decorate with unlimited tips.
- E430005 Cake or Cupcake Portfolio Book** - Include 5 photos of Cakes or Cupcakes created by 4-Her. Each picture should have accompanying information including:
  - \*occasion for cake,
  - \*type of frosting,
  - \*tips name and number used,
  - \*technique used.

## **PLANT SCIENCE**

### **AGRONOMY**

Individuals in the Crop Production, Field Crops project may exhibit grain or plants to prepare an educational display representing their project. The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation.

sustainability and environmental protection. For guidelines on specific projects, refer to appropriate project manuals.

**Rules:**

For General Rules visit <https://4h.unl.edu/fairbook/general-rules>

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials and additional resources can be found at <https://go.unl.edu/ne4hagronomy>

**DIVISION 750**

**FIELD CROPS**

**CLASSES:**

- **G750001 Corn** (includes yellow, white, pop, waxy, or any other type)
- **G750002 Soybeans**
- **G750003 Oats**
- **G750004 Wheat**
- **G750005 Any Other Crop** (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)
- **G750006 Crop Production Display** - The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, pest management, etc.
- **G750007 Crop Technology Display** – Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.
- **G750008 Crop End Use Display** - Display information about the final product or end uses for a crop, such as food, feed, fuel, or other products (i.e. corn can be processed into livestock feed, ethanol, plastics, etc. or soybeans can be processed into bio-diesel, pet bedding, crayons, oil, etc.) This should not be about the process of crop production, but focus on an end product(s).
- **G750009 Water or Soil Display** - Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources.
- **G750010 Career Interview Display** - The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview one person that works with crops about such topics as, what parts of their job do they enjoy or dislike, why did they choose that career, what was their education, etc. Include a picture.

**Rules:**

**1. Grain or Plant Exhibits - Classes 1-5:**

\*A completed Crop Production Worksheet (available at <https://cropwatch.unl.edu/Youth-Documents/Crop%20Production%20Project%20Worksheet%20Final.pdf>) must accompany grain and plant exhibits or it will automatically be deducted one ribbon placing. The worksheet must include the exhibitors name and address, county, plant hybrid or variety, plant population, whether crop production was irrigated or dryland, and general information including farm cropping history, soil type and weather effects.

\*The worksheet also must include an economic analysis of the project, listing individual expenses and income, on a per acre basis. Other topics to discuss are the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season, and what you learned from your crops project. The worksheet counts as 50% of the total when judged.

\*Worksheet must be the original work of the individual exhibitor or it will be deducted one ribbon placing.

\*Attach the worksheet to the entry in a clear plastic cover such that it can be read without removing it from the cover. In addition to the worksheet, grain and plant exhibits will be judged on condition, appearance (i.e. disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit. Refer to Scoresheet SF264. Grain exhibits must be one gallon per sample. Grain exhibits harvested in the fall (e.g., corn or soybeans) may be from the previous year's project. **NEW: Place in a clear container so it can be viewed and displayed.**

\*Plant exhibits, with the exception of ears of corn, must be the result of the current year's project. - Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)

\*Grain Sorghum - 4 stalks (cut at ground level and bound together)

\*Soybeans - 6 stalks (cut at ground level and bound together)

\*Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.

\*Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level or half size small square bale.

## **2. Displays Classes 6-10:**

\*The purpose of the display is to tell an educational story to those that view the display.

\*The display is a visual representation (pictures, charts, graphs) no larger than 28" wide by 28" tall on plywood or poster board.

\*The display should be neatly titled. Make sure to label display with exhibitor's name, address, and county on back side. Explain pictures and graphs clearly and concisely.

\*Consider creativity and neatness. Refer to Scoresheet SF259 Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used.

\*The essay should be in a clear plastic cover with the exhibitor's name outside.

\*If a display does not have an essay, it will automatically be deducted one ribbon placing.

## **3. Special Agronomy Project:**

\*Youth experience a crop that is grown, was grown or has the potential to be grown in Nebraska by growing it, researching traits of that crop and determine viability of that crop in the part of the state they live.

\*Each year seeds will be mailed to extension offices or ag ed classrooms across the state, as ordered by that location. Offices will distribute to youth on a first, come – first serve basis. A different seed will be selected every year.

\*Youth will grow seeds in their garden or pots. Written resources materials will be available for youth, in addition to virtual, live or recorded videos/field trips.

\*Youth will be eligible to enter an exhibit at both the county and/or state fair in the agronomy project area.

## **SPECIAL AGRONOMY PROJECT**

### **CLASSES:**

●**G750011 Special Agronomy Project (SF259)** - Educational exhibit based on what was learned from the project. Present information on a poster 14" X 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, and county must be on the back of the poster or report cover. Refer to Scoresheet SF259 Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used.

●**G750012 Special Agronomy Project** - (Video Presentation) 4-H exhibitor designs a multimedia presentation related to the crop. This could include narration of the growing process, presenting facts about the crop or any other innovative multimedia practices. The presentation should be at least 2 minutes in length and no

more than 5 minutes in length, appropriate graphics, sound and either a video clip, animation or voice over and/or original video clip. Any of the following file formats will be accepted: mp4, .mov, .ppt, or .avi. **Email a link of the video to the superintendents to anygren2@unl.edu or brandy.vandewalle@unl.edu by August 10th.**

- **G750013 Special Agronomy Project** - (Freshly Harvested Crop) Plant exhibits must be the result of the current year's project. Depending on the type of crop selected for the current year:

- \*Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
- \*Grain Sorghum - 4 stalks (cut at ground level and bound together)
- \*Soybeans - 6 stalks (cut at ground level and bound together)
- \*Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
- \*Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level.

Supporting documentation (½ to 1-page in length) should include the following:

- \*Economic Analysis and/or research that supports feasibility of this crop in Nebraska or how the crop has evolved over time.
- \*Other topics to discuss are past/current commercial production of this crop. This includes: the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season about this crop and what you learned from your crops project. This ½ to 1-page summary counts as 50% of the total when judged.
- \*In addition to the summary, grain and plant exhibits will be judged on condition, appearance (i.e. disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit.

#### **Rules:**

**The crop of the year for 2024 is Sugar Beets.**

#### **DIVISION 751 WEED SCIENCE**

#### **CLASSES:**

- **G751001 Weed Identification Book** - A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plume less thistle, salt cedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, bohemian knotweed, giant knotweed, sericea lespedeza or phragmites), and at least three five weeds that are a problem primarily in lawns.
- **G751002 Life Span Book** - A collection of 7 perennials, 1 biennial, and 7 annual weeds.
- **G751003 Weed Display** - The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as interesting information about a weed species, the effects of weed control, herbicide-resistant weeds, what makes a weed a weed, or uses for weeds.

#### **Rules:**

The book cover and at least 15 of the specimens must represent this year's work. For assistance identifying plants, participants can use the Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994) or Weeds of the Great Plains (2003).

#### **Books Classes 1-2:**

- \*Plants must be mounted on sheets that are no larger than 14" wide by 14" high. Proper plant mount should include root as well as stem and leaf tissue. Plants should be glued rather than taped and the mounts should be protected with a clear cover.
- \*Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements. Refer to Scoresheet SF261.

\*Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: - Scientific name (in italic or underlined), with authority, - Common name, - County of collection, - Collection date, - Collector's name, - Personal collection number, indicating the order that plants were collected in your personal collection, - Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed neatly.

**Displays Class 3:** The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28" by 28" on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, address, and county on back side. Explain pictures and graphs clearly and concisely. Refer to Scoresheet SF259. Each display must have a one page essay explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor's name outside.

**Resources:**

**Agronomy**

Discover the world of farming; Learn how plants grow; Learn the value and uses of field crops; Take a soil sample; Learn about products made from field crops; Decide what crops need to grow and at what time; Learn about integrated crop management; Discover hybrid selection; Find out more about harvesting and marketing crops

URL: <https://4hcurriculum.unl.edu/index.php/main/program/project/101>

## RANGE

The purpose of this category is to help 4-Hers identify and collect range plants. In addition, participants will learn the basics of range management, and Nebraska's range. Through the creation of range boards, 4-Hers will become more proficient in knowledge of Nebraska's range. For more resources and materials in this category refer to the resource section at the bottom of the page.

**Rules:**

1. Each exhibit must be properly identified with Unit and Class.
2. All plant displays and display covers must be the result of the current year's work.
3. Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, and grass-like plants) can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2016), Common Grasses of Nebraska (EC170), and Common Forbs and Shrubs of Nebraska (EC118).
4. The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection.
5. For guidelines on specific projects, refer to appropriate project manuals. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Quota:**

Individuals in the Reading the Range Unit 1 project may exhibit in Classes 1-8, and 10. Individuals in the Using Nebraska Range Unit 2 project may exhibit in Classes 1- 10.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <http://go.unl.edu/ne4hrange>

**DIVISION 330 RANGE MANAGEMENT**

**CLASSES:**

- D330001 **Value and Importance for Livestock Forage and Wildlife Habitat and Food Book (SF260)** - A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife

habitat, or wildlife food. Value and importance classifications can be found in the Range Judging Handbook and Contest Guide, Appendix Table 1 (EC150, Revised July 2016) starting on page 42. Plants can consist of any combination of grasses, grass-like plants, forbs, or shrubs. Assemble plant mounts in order of high, medium, and low value and importance. Label each plant mount with its value and importance classifications for each of the three areas: Livestock Forage, Wildlife Habitat, Wildlife Food.

- **D330002 Life Span Book** (SF260) - A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.
- **D330003 Growth Season Book** (SF260) - A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.
- **D330004 Origin Book** (SF260) - A collection of plant mounts of 6 native range grasses and 6 introduced grasses. Introduced grasses are not from North America and often used to seed pastures.
- **D330005 Major Types of Range Plants Book** (SF260) - A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.
- **D330006 Range Plant Collection Book** (SF260) - A collection of 12 range plant mounts with something in common (i.e. poisonous to cattle, or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.). Include a short paragraph in the front of the book which describes what the plants have in common and why you have chosen to collect them.
- **D330007 Parts of a Range Plant Poster** (SF259) - Mount a range plant on a poster board. Label all the plant parts. Include the plant label in the lower right corner, including the scientific and common name of the plant. Put your name and 4-H county on the back of the poster.
- **D330008 Special Study Board** (SF260) - A display of the results of a clipping study, a degree of use study, range site study, etc. A short essay must accompany the display to explain the reason for the study, what was learned, and study results. This should be placed in a sheet cover attached to the board.
- **D330009 Junior Rancher Board** (SF260) - This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management. A short essay must accompany the display to explain the purpose of the rancher board, what was learned, etc.

#### **Rules:**

1. **Books Classes 1-6:** For books, plants must be mounted on sheets that are no larger than 14" wide by 14" high. Plants should be glued rather than taped and the mounts should be protected with a clear cover. Proper plant mount should include root, as well as stem and leaf tissue. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project requirements. Refer to Scoresheet SF260. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: Scientific name (in italic or underlined), with authority - Common name. - County of collection. - Collection date. - Collector's name. - Personal collection number, indicating order that plants were collected in your personal collection, - Other information, depending on class selected, i.e., value and importance, life span, growth season, origin, major types of range plants. This information should be typed or printed neatly.

2. **Displays Class 7:** The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28" by 28" on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, address, and county on back side.

3. **Boards Classes 8-9:** Boards should be no larger than 30" wide by 36" tall or if hinged in the middle a maximum of 60" wide by 36" tall. Boards should be adequately labeled.

#### **Resources:**



## **Range**

Learn the names of range plants; Identify and collect range plants; Explore the basics of range management; Study Nebraska's grassland heritage; Understand plant vigor and the effects of grazing; Identify range sites; Calculate range conditions; Understand stocking rates; Learn the names of range plants; Identify and collect range plants; Explore the basics of range management

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/116](https://4hcurriculum.unl.edu/index.php/main/program_project/116)

# **HORTICULTURE**

The purpose of Horticulture is to encourage participants to start and maintain vegetable gardens. In addition, 4-H'ers can participate in planting, growing, and caring for flowers. There is also a special gardening project in this category that 4-H'ers can participate in.

## **Rules:**

For General Rules, go to <https://4hfairbook.unl.edu/fairbookview.php/rules>

## **Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

## **State Quota:**

## **Horticulture:**

\***Exhibitor:** Only one entry per class per exhibitor

\***County:** Up to 5 entries per division

## **Floriculture:**

\***Exhibitor:** Only one entry per class per exhibitor

\***County:** Up to 4 entries per division

## **Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hhorticulture>

## **Special Awards:**

Premier 4-H Science Award is available in this area. Please see General Rules for more details.

## **DIVISION 770**

## **FLORICULTURE, EDUCATIONAL EXHIBITS & HOUSEPLANTS**

## **CLASSES:**

### **Floriculture:**

**Cut Flower Annuals and Biennials** - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis. Classes 1-23 (SF106)

- G770001 Aster
- G770002 Bachelor Buttons
- G770003 Bells of Ireland
- G770004 Browallia
- G770005 Calendula
- G770006 Celosia (crested or plume) (3 stems)
- G770007 Cosmos
- G770008 Dahlia
- G770009 Dianthus
- G770010 Foxglove
- G770011 Gladiolus (3 stems)
- G770012 Gomphrena
- G770013 Hollyhock (3 stems)
- G770014 Marigold

- G770015 Pansy
- G770016 Petunia
- G770017 Salvia
- G770018 Snapdragon
- G770019 Statice
- G770020 Sunflower (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)
- G770021 Vinca
- G770022 Zinnia
- G770023 Any other annual or biennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) (do not duplicate entries in classes 1-22)

**Cut Flower Perennials** - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

**CLASSES: 30-46 (SF106)**

- G770030 Achillea/Yarrow
- G770031 Chrysanthemum
- G770032 Coneflower
- G770033 Coreopsis
- G770034 Daisy
- G770035 Gaillardia
- G770036 Helianthus
- G770037 Hydrangea (3 stems)
- G770038 Liatris (3 stems)
- G770039 Lilies (3 stems) (Not Daylilies)
- G770040 Platycodon
- G770041 Rose (3 stems)
- G770042 Rudbeckia/Black-eyed Susan
- G770043 Sedum
- G770044 Statice
- G770045 Any Other Perennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) (do not duplicate entries in classes 30-44)

●G770046 **4-H Flower Garden Collection of 5 Different Cut Flowers.** Flowers are to be cut, not potted. Each flower in the collection should be exhibited with the number specified for classes 1-45. Display in a box or other holder not more than 18" in any dimension. Boxes may not be returned at State Fair. Do not duplicate entries in classes 1-45 with any in the group collection.

**Rules:**

**FLORICULTURE (CLASSES 1-46)**

1. **Classes 1-23:** = Cut Flower Annuals and Biennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.
2. **Classes 30-46:** = Cut Flower Perennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.
3. The cultivar or variety name must be included on all entry cards. If potted container with several cultivar or varieties identify each individually within the pot. Failure to identify the cultivar or variety will drop the entry one ribbon placing. Proper identification is the responsibility of the exhibitor, not the Extension staff or office personnel. For Floriculture, punch hole in the top center of entry tag, use a rubber band to securely attach entry tag to containers.
4. For Floriculture, punch hole in the top center of entry tag, use a rubber band to securely attach entry tag to containers.
5. Exhibits entered under an incorrect class number or containing an

incorrect number of stems will be dropped one ribbon placing. In classes 23, 45 & 46, do not duplicate entries from the already listed classes or entry will be dropped one ribbon placing. For example 4-H'ers with two cultivars or varieties of marigolds can only enter the marigold class and cannot enter the other cultivar or variety in any other class. A perennial is defined as a plant of which the crown overwinters. An annual is a plant that grows from seed each season, whether self-seeded or planted by the gardener. A biennial is a plant that germinates, grows and overwinters as a crown, blooms the following year and dies. Foliage will be considered when exhibit is judged.

6. All 3 or 5 stems of cut flowers should be the same cultivar and color, do not mix cultivars and colors. Containers will not be judged; however, they should be CLEAR GLASS CONTAINERS that won't tip over (No plastic containers at State Fair) and of adequate size to display blooms. Any exhibit not in a clear glass container will be dropped one ribbon placing. NO SCREW ON LIDS OR SCREW ON RINGS AND FLATS MAY BE USED. To hold flowers in place it is suggested to use tin foil or a type of plastic wrap with holes poked into it or frog lids. Containers may not be returned from State Fair.

### **EDUCATIONAL EXHIBITS**

#### **CLASSES:**

●**G770050 Flower Notebook (SF100)** - Exhibit a notebook containing pictures of flowers grown in Nebraska. There must be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. 4-Hers may show more than one cultivar of the same species, but they will only count as one species. The notebook must be the result of the current year's work. Pictures from garden catalogs, hand drawn pictures, or photographs may be used. Each species/cultivar must be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (for example: needs full sun and dry sandy soil) the species prefers. In addition to this information, bulbs should also be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H member's name, age, county, and years in the project(s) must be on the back of the notebook.

●**G770051 Flower Garden Promotion Poster (SF103)** - Individual poster promoting flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. as long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

●**G770052 Educational Flower Garden Poster (SF104)** - Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned about in a 4-H flower or houseplant project. One might show a special technique used or equipment incorporated in the garden. Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

●**G770053 Flower Gardening History Interview (SF105)** - Neatly handwritten or typed account of a gardening history interview whose flower garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their flower garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, county, and years in the project(s) must be on the back of the report cover.

### **HOUSEPLANTS**

#### **CLASSES:**

●**G770060 Flowering Potted Houseplant(s) (SF107)** - that are blooming for exhibition. Container may have one or more houseplants in container. Label name for each plant. Non-blooming plants will be disqualified.

- G770061 **Foliage Potted Houseplant** (SF107) - one variety of tropical or cacti or succulent plant. Label with name of plant.
- G770062 **Hanging Basket** (SF107) - of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label with name for each plant.
- G770063 **Dish Garden** (SF107) - an open/shallow container featuring a variety of houseplants excluding cacti and succulents. Label with name for each plant.
- G770064 **Fairy or Miniature Garden** (SF107) - A miniature "scene" contained in an open container and featuring miniature or small, slow growing houseplants. The garden needs to have an imaginative theme and miniature accessories, i.e. bench, fence made from tiny twigs, small shell for a bath tub, etc. Label with name for each plant.
- G770065 **Desert Garden** (SF107) - an open/shallow container featuring cacti and/or succulents grown as houseplants. Label with name for each plant.
- G770066 **Terrarium** (SF107) - a transparent container, partially or completely enclosed; sealed or unsealed. Label with name for each plant.

**Rules:**

**EDUCATIONAL EXHIBITS (CLASSES 50-53)**

**HOUSEPLANTS (CLASSES 60-66)**

1. **Container Grown Houseplants:** The choice of container and soil quality will be considered in judging. Each houseplant must be identified by listing the names on the entry tag or on a card attached to the container. Identify each plant individually if more than one cultivar or variety. Houseplants should be grown in the display container for a minimum of six weeks. Plants grown as houseplants must be used. NebGuide G2205 "[Guide to Growing Houseplants](#)" and NebGuide G837 "[Guide to Selecting Houseplants](#)" includes a listing of common houseplants. **Containers of annual flowers or annual plants (i.e. petunias, geraniums, impatiens) will be disqualified and will not be judged.**

2. Entries in Classes 60-66 must have been designed and planted by the 4-H member.

3. Any container plant, (flowering or foliage potted houseplants, dish gardens, fairy or miniature gardens, desert gardens, or terrariums) shall be in containers no larger than 12 inches (use inside opening measurement) in any dimension of length or width. No combination of pots may be used. All potted plants are to be in a one pot container. Any container grown plant in Classes 60-66 that does not follow these guidelines will be dropped one ribbon placing.

4. Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H members name, age, county, and years in the project(s) must be on the bottom or back of the container and saucer.

## **VEGETABLES, HERBS, FRUITS & EDUCATIONAL EXHIBITS**

**DIVISION 773**

**VEGETABLES**

**CLASSES: 1-56 (SF108)**

- G773201 **Lima Beans** - 12
- G773202 **Snap Beans** - 12
- G773203 **Wax Beans** - 12
- G773204 **Beets** - 5
- G773205 **Broccoli** - 2
- G773206 **Brussels Sprouts** - 12
- G773207 **Green Cabbage** - 2

- G773208 Red Cabbage - 2
- G773209 Carrots - 5
- G773210 Cauliflower - 2
- G773211 Slicing Cucumbers - 2
- G773212 Pickling Cucumbers - 5
- G773213 Eggplant - 2
- G773214 Kohlrabi - 5
- G773215 Muskmelon/Cantaloupe - 2
- G773216 Okra - 5
- G773217 Yellow Onions - 5
- G773218 Red Onions - 5
- G773219 White Onions - 5
- G773220 Parsnips - 5
- G773221 Bell Peppers - 5
- G773222 Sweet (Non-Bell) Peppers - 5
- G773223 Jalapeño Peppers - 5
- G773224 Hot (Non-Jalapeño) Peppers - 5
- G773225 White Potatoes - 5
- G773226 Red Potatoes - 5
- G773227 Russet Potatoes - 5
- G773228 Other Potatoes - 5
- G773229 Pumpkin - 2
- G773230 Miniature Pumpkins (Jack Be Little type) - 5
- G773231 Radish - 5
- G773232 Rhubarb - 5
- G773233 Rutabaga - 2
- G773234 Green Summer Squash - 2
- G773235 Yellow Summer Squash - 2
- G773236 White Summer Squash - 2
- G773237 Acorn Squash - 2
- G773238 Butternut Squash - 2
- G773239 Buttercup Squash - 2
- G773240 Other Winter Squash - 2
- G773241 Sweet Corn (in husks) - 5
- G773242 Swiss Chard - 5
- G773243 Red Tomatoes (2" or more in diameter) - 5
- G773244 Roma or Sauce-type Tomatoes - 5
- G773245 Salad Tomatoes (under 2" diameter) - 12
- G773246 Yellow Tomatoes (2" or more in diameter) - 5
- G773247 Turnips - 5
- G773248 Watermelon - 2
- G773249 Dry Edible Beans - 1 pint
- G773250 Gourds, mixed types - 5

- G773251 **Gourds, single variety** - 5
- G773252 **Any other vegetable** - 2, 5 or 12 (do not duplicate entries in classes 201-251) that doesn't fit in any other class
- G773255 **4-H Vegetable Garden Collection** of five kinds of vegetables. Display Garden Collection in a box not more than 24" in any dimension. Boxes may not be returned from State Fair. Showmanship will be considered in judging, but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252). Do not duplicate entries in classes 201-252 with any in the group collection.
- G773256 **4-H Cultivar Vegetable Collection** - Vegetables entered in the collection are 5 cultivars from a single exhibit; for example, 5 cultivars of all types of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24" in any dimension. Boxes may not be returned from State Fair. Showmanship will be considered in judging; but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252).

### HERBS

#### CLASSES: 60-69 (SF108)

- G773260 **Basil** - 5
- G773261 **Dill (dry)** - 5
- G773262 **Garlic (bulbs)** - 5
- G773263 **Mint** - 5
- G773264 **Oregano** - 5
- G773265 **Parsley** - 5
- G773266 **Sage** - 5
- G773267 **Thyme** - 5
- G773268 **Any other herb** - 5 (do not duplicate entries in classes 260-267)
- G773269 **4-H Herb Garden Display** of 5 different cut herbs. Herbs are to be cut, not potted. Displayed in a box or other holder not more than 18" in any dimension. Boxes may not be returned from State Fair. Each herb in the collection should be exhibited with the number specified for classes 260-268. Do not duplicate entries in classes 260-268 with any in the group collection.

### FRUITS

#### CLASSES: 80-86 (SF108)

- G773280 **Strawberries** - (everbearers), 1 pint
- G773281 **Grapes** - 2 bunches
- G773282 **Apples** - 5
- G773283 **Pears** - 5
- G773284 **Wild Plums** - 1 pint
- G773285 **Other small fruit or berries** - 1 pint (do not duplicate entries in classes 280-284)
- G773286 **Other fruits OR nuts** - 5 (do not duplicate entries in classes 280-284)

### EDUCATIONAL EXHIBITS

#### CLASSES:

- G773290 **Garden Promotion Poster** (SF103) - Individual poster promoting vegetable or herb gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium so long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be attached to the upper right hand corner. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

- **G773291 Educational Vegetable or Herb Garden Poster** (SF104) - Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-H'er has done or learned about in a 4-H vegetable gardening project. One might show a special technique used or equipment incorporated in the garden (e.g., drip irrigation system, composting, or special techniques learned). Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be attached to the upper right hand corner. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.
- **G773292 Vegetable and/or Herb Gardening History Interview** (SF105) - Neatly handwritten or typed account of a gardening history interview of someone whose vegetable or herb garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, county, and years in the project(s) must be on the back of the report cover.
- **G773293 Vegetable Seed Display** (SF101) - Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families, plus representatives from 5 other families. Group the seeds by family and type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster mat board no larger than 22" x 24". Label each group and each individual vegetable type with the common and scientific names. Use only one variety or cultivar of each vegetable, except for beans where several examples of beans may be shown. Attach a card to the back of the display explaining why and how it is important to know which vegetables are related, and cite references on where the scientific name information was found. The 4-H member's name, age, county, and years in the project(s) must be on the back of the display. Information on vegetable family members can be obtained from your Extension office.
- **G773294 World of Vegetables Notebook** (SF102) - Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g. Mexican, African, Chinese, Italian, etc.). Include a report telling about a minimum of 5 vegetables and/or herbs from each country chosen. Include the scientific and common names; pictures of the plants from your garden or seed catalogs; tell how they are grown; and how the foods are used. Also list a source for buying the seed or plants. Favorite recipes using some or all of the vegetables described may be included. Give proper credit by listing the source of pictures and information used. Protect in a clear report cover or 3-ring notebook. The 4-H member's name, age, county, and years in the project(s) must be on the back of the report cover or notebook. Score Sheet SF102.

**Rules:**

1. **The cultivar or variety name must be included on all entry cards.** Failure to identify the cultivar or variety will drop the entry one ribbon placing. Proper identification is the responsibility of the exhibitor, not the Extension staff or office personnel. Exhibits entered under an incorrect class number or containing an incorrect number of vegetables will be dropped one ribbon placing. In classes 252, 255, 268, 269, 285 and 286 do not duplicate entries from any other classes or entry will be dropped one ribbon placing. For example: 4-H'ers with two cultivars or varieties of red tomatoes can only enter the red tomatoes class and cannot enter the other cultivar or variety in any other vegetable class. Score Sheet SF108.
2. Vegetables (Classes 1-56) Class, Vegetable, Number's #'s to Exhibit
3. Herbs (Classes 60-69) will be judged using the same general criteria used for vegetables. Those grown mainly for their seed, such as dill and caraway, should be exhibited on a plate. Those grown for their leaves such as basil, parsley, etc. should be exhibited in a **clear glass container** of water (no plastic containers at State Fair). Containers may not be returned from State Fair. Potted herb plants will be disqualified and will not be judged. Score Sheet SF108.
4. Fruits (Classes 80-86) Fruits will be judged using the same general

criteria used for vegetables. Fruit will be judged for the stage of maturity normal for that season and growing location. Emphasis will be placed on how well fruit approaches market quality.

## SPECIAL GARDENING PROJECT

- **G775001 Special Garden Project (SF109)** - Educational exhibit based on what was learned from the project. Present information on a poster 14" X 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, and county must be on the back of the poster or report cover.
- **G775002 Special Gardening Project Fresh Cut Flowers, Herbs, or Harvested Vegetables (SF109)** - The current years' Special Gardening Project fresh cut flowers, herbs, or harvested vegetables should be entered in this class. Refer to classes 1-45 for quantity to exhibit if Special Gardening Project is a fresh cut flower (SF106). Refer to classes 201-252 for quantity to exhibit if Special Gardening Project is a vegetable (SF108). Flowers and herbs must be cut, not potted.
- **G775003 Poem (County Only)** - Write a poem about some aspect of the growing, picking, insect pests, the choice is yours! Exhibit in a clear plastic report cover.
- **G775004 Choice (County Only)** - Your choice of a project, but be sure it includes some thing about the current years' Special Gardening Project.

### Rules:

\*Each county may select 10% of their youth enrolled in the current years' Special Gardening Project to exhibit at State Fair. If the county has enrollment in less than 10 projects, the county may still send exhibits from one youth.

\*The Special Garden Project changes annually. More information may be found at [4-H Special Garden Project](#).

### Resources:

#### Horticulture

Grow foliage and bulb plants indoors; Learn what houseplants need to stay healthy; Learn about growing healthy plants; Grow flowers from seeds; Learn about caring for flowers; Plant, grow, and care for annual flowers; Choose a garden site; Plan a garden; Grow vegetables; Select and purchase garden supplies; Grow transplants; Plan and plant a garden; Find out how seeds germinate; Learn what different plant parts do; Harvest and use your vegetables; Transplant plants into your garden; Grow plants from plant parts; Feed your garden; Earn money by growing vegetables; Learn about succession planting; Grow an herb garden; Find out about photosynthesis; Identify pest damage; Use intercrop and double crop planting methods; Plant a computer-planned garden; Identify plant diseases; Learn about plant scientists

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project\\_106](https://4hcurriculum.unl.edu/index.php/main/program_project_106)

## STEM (SCIENCE, TECHNOLOGY, ENGINEERING, & MATH)

### Rules:

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.

2. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of



plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity).

4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.

5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.

6. Demonstration boards should include an overall title for the display, plus other necessary labeling.

7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.

8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.

9. **Premier 4-H Science Award** is available in this area. Please see General Rules for more details.

### **DIVISION 930 STEM CAREERS**

#### **CLASS:**

● **H930001 Careers Interview (SF239)** - Interview someone who is working in any field associated with science, engineer and technology and research that career (i.e. computer programmer, architect, engineer, pilot, etc.).

\*Interviews can either be written or in a multimedia format (CD/DVD).

\*Written interviews should be in a notebook.

\*Written reports should be 3 to 5 pages, double spaced, 12-point font, and 1" margins.

\*Multimedia reports should be between 3 to 5 minutes in length.

### **DIVISION 931 SCIENCE PROJECT (COUNTY ONLY)**

#### **CLASS:**

● **H931001 Science Project Display** - Any project using the scientific method to explore a topic of interest. Display can be a poster (not exceeding 22"x28") or a tri fold poster board.

## **ROCKETS**

This category gives 4-Hers a chance to display the rockets and drones they have created. Through participation in this category 4-Hers will show judges what they learned about and how they adapted their exhibit throughout this project. Involvement in STEM Rockets gives participants a first-hand experience in modern technology. For help getting started with this project contact your county 4-H office.

#### **Rules:**

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.

Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

enclosed in a clear plastic cover. The reports should be attached securely to the display.

2. Rockets must be supported substantially in order to protect the rocket from breakage. Rockets are to be mounted on a base that has dimensions equal or less than 12" x 12" and the base should be 3/4" thick. No metal bases. If the rocket fins extend beyond the edges of the required base (12" x 12"), then construct a base that is large enough to protect the fins. The base size is dictated by the size of the rocket fins.

3. The rockets must be mounted vertically. Please do not attach

sideboards or backdrops to the displays. In addition, a used engine or length of dowel pin is to be glued and/or screwed into the board and extended up into the rockets engine mount to give added stability.

4. Rockets must be equipped as prepared for launching, with wadding and parachute or other recovery system. Rockets entered with live engines, wrong base size or sideboards will be disqualified.

5. A report, protected in a clear plastic cover, must include: 1) rocket specification (include original or photo of manufacture packaging stating rocket skill level), 2) a flight record for each launching (weather, distance, flight height), 3) number of launchings, 4) flight pictures 5) Safety (How did you choose your launch site? Document safe launch, preparations, and precautions) 6) objectives learned and 7) conclusions.

6. The flight record should describe engine used, what the rocket did in flight and recovery success. Points will not be deducted for launching, flight or recovery failures described. This includes any damage that may be shown on the rocket. Complete factory assembled rockets will not be accepted at the State Fair.

7. Judging is based upon display appearance, rocket appearance, workmanship, design or capabilities for flight, number of times launched and report. Three launches are required to earn the maximum launch points given on the score sheets. For scoring for the State Fair, only actual launches count, misfires will not count towards one of the required three launches.

\*For self-designed rockets only, please include digital recorded copy of one flight. In the documentation please include a description of stability testing before the rocket was flown.

\*Skill level of project is not determined by number of years in project. Skill level is determined by the level listed on the manufacturing packaging.

\*4-H Rocket project levels are not intended to correspond to National Association of Rocketry model rocket difficulty ratings or levels.

\*High power rockets (HPR) is similar to model rocketry with differences that include the propulsion power and weight increase of the model. They use motors in ranges over "G" power and/or weigh more than laws and regulations allow for unrestricted model rockets. These rockets are NOT appropriate for 4-H projects and will be disqualified.

**8. High power rockets (HPR) are similar to model rocketry with differences that include the propulsion power and weight increase of the model. They use motors in ranges over "G" power and/or weigh more than laws and regulations allow for unrestricted model rockets. These rockets are NOT appropriate for 4-H projects and will be disqualified.**

9. Posters can be any size up to 28" by 22" when ready for display. Example: tri fold poster boards are not 28" by 22" when fully open for display.

#### **Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Entry level rockets, made with PLASTIC FINS and PLASTIC BODY TUBES, are COUNTY ONLY projects.

#### **Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne-4haerospace>.

#### **Special Awards:**

Premier 4-H Science Award is available in this area. Please see [click here](#) for more details.

#### **DIVISION 850**

#### **AEROSPACE/ROCKETS**

#### **CLASSES:**

- **H850001 Rocket (SF92)** - Any Skill Level Rocket with wooden fins and cardboard body tubes painted by hand or air brush.
- **H850002 Aerospace Display (SF93)** - Poster or display board that displays or exemplifies one of the principles learned in the Lift Off project. **Examples include:** display of rocket parts and

purpose, explaining the parts of a NASA rocket or shuttle, interview of someone in the aerospace field, or kite terminology. Include notebook containing terminology (definition), and what was learned. Display can be any size up to 28" by 22".

- **H850003 Rocket (SF92)** - Any Skill Level Rocket with **wooden fins and cardboard body tubes** painted using commercial application, for example, commercial spray paint.

#### **SELF-DESIGNED ROCKET**

##### **CLASS:**

- **H850004 Rocket (SF92)** - Any self-designed rocket with **wooden fins and cardboard body tubes**.

#### **DRONES**

##### **CLASS:**

- **H850005 Drone Poster (SF93)** - Exhibit must be designed to educate yourself and others on one or more of the following topics: drone technologies, uses of drones, the different types of drones, types of training needed to operate drones, and the laws and regulations users must follow. Posters can be any size up to 28" by 22".
- **H850006 Drone Video (SF93)** - Exhibit must demonstrate how the drone interacts with the outside world. Examples include: field scouting, surveying damage from natural disasters, drones used in commercial applications and settings, and drones used for structural engineering. Video should not exceed 5 minutes. State Fair qualified videos should be submitted to <https://go.unl.edu/2024nesfset> by August 10, 2024, or be uploaded to a video streaming application and exhibitors **MUST** provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

##### **Resources:**

#### **STEM Rockets**

Fly kites and launch rockets; Explore space; Experience disorientation; Learn to fly an airplane; Make a shuttle on a string; Control flight directions; Create an altitude tracker; Evaluate navigation systems; Explore pilot certification requirements

**URL:** <https://4hcurriculum.unl.edu/index.php/main/program/project/120>

## **COMPUTERS**

This category gives 4-Hers a chance to display their knowledge of computers. Through participation in this category 4-Hers will develop presentations that show judges their knowledge in the different aspects of computer science. Involvement in STEM Computers gives participants a first-hand experience in modern technology. For help getting started with this project contact your county 4-H extension office.

##### **Rules:**

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
2. Demonstration boards should include an overall title for the display, plus other necessary labeling.
3. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned.) All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
4. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached

securely to the display.

5. Please refer to the General Rules for the policy regarding firearms, items with a blade, and other related items.

6. Please refer to the General Rules for the policy regarding use of copywritten images.

7. Premier 4-H Science Award is available in this area.

**8. Team Entries:** To qualify for entry at the Nebraska State Fair team materials entered in H8600089 - Digital Fabrication must clearly be the work of a team instead of an individual, and must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing.

#### **Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

#### **Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <http://go.unl.edu/ne4hcomputers>.

#### **DIVISION 860**

#### **COMPUTER MYSTERIES: UNIT 2**

#### **CLASSES:**

● **H860001 Computer Application Notebook (SF277)** - 4-H exhibitor should use computer application to create a graphic notebook utilizing computer technology. 4-H'er may create any of the following: greeting card (5 different cards such as a birthday, wedding, anniversary, sympathy get well or other); a business card (3 cards for 3 different individuals and businesses); menu (minimum of 2 pages including short description of foods and pricing); book layout (I-book); promotional flyer (3 flyers promoting 3 different events); newsletter (minimum 2 pages); or other: examples such as precision farming or family business logo etc. This exhibit consists of a notebook (8.5x11 inches) which should include a (1) a detailed report describing: (a) the task to be completed, (b) the computer application software required to complete the task, (c) specific features of the computer application software necessary for completing the task (2) print out of your project. Project may be in color or black and white.

● **H860002 Produce a Computer Slideshow Presentation (SF276)** - Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth. A notebook with a printout of all the slides should be submitted. Slideshow should include a minimum of 10 slides and no more than 25. Incorporate appropriate slide layouts, graphics, animations, and audio (music or voice and transition sounds do not count). Each slide should include notes for a presenter. All slideshows must be up loaded. Entries should be submitted to <https://go.unl.edu/2024nesfset> by August 15th, 2024, or videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

#### **COMPUTER MYSTERIES: UNIT 3**

#### **CLASSES:**

● **H860003 Produce an Audio/Video Computer Presentation (SF276)** - Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth including audio and/or video elements. A notebook with a printout of all the slides should be submitted. The presentation should be at least 2 minutes in length and no more than 5 minutes in length, appropriate graphics, sound and either a video clip, animation or voice over and or original video clip. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024, or videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

- **H860004 How to STEM (Science, Technology, Engineering and Math) Presentation (SF276)** - Youth design a fully automated 2 to 5 minute 4-H "how to" video. Submissions should incorporate a picture or video of the 4-Her, as well as their name (first name only), age (as of January 1 of the current year), years in 4-H, and their personal interests or hobbies. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024, or videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.
- **H860005 Virtual Platform Presentation (SF276)** - Youth design a fully automated education presentation using any multimedia platform such as Tik Tok, YouTube, Canva, Canvas, etc. Submissions may include a notebook, poster, etc., explaining the process, experience, and/or presentation. All submissions must include a link to the virtual presentation. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024. Entries can also be uploaded to a cloud sharing service. Exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for permissions for public viewing.
- **H860006 Create a Website/Blog or App (SF275)** - Design a simple website/blog or app for providing information about a topic related to youth. Include an explanation of why the entry was created. Any current website, blog, or app development platform is accepted such as Google Sites, iBuildApp, Wix, ect. If the website, blog, or app isn't live, include all files on a flash drive in a plastic case. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024. Entries can be uploaded to a cloud sharing service. Exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.
- **H860007 3D Printing (SF1050)** - 3D printing uses plastic or other materials to build a three-dimensional (3D) object from a digital design (including 3D Pen Creation). Youth may use original designs or someone else's they have redesigned in a unique way. Exhibits will be judged based on the motivation and/or problem identified. For example, 3D objects printed as part of the design process for robot or other engineering project. Must include design notebook that addresses the following questions:
  1. What was the motivation for your design or the problem you were solving with your design? ie. is your item a functional or decorative piece?
  2. Please include a picture of original design, citation of designer/website OR if design is completely original (you created it using CAD software), then state that it's original. If item was not completely original, indicate what you did to the original design to modify it to better meet the design problem stated in #1 above. Its design was modified multiple times, please indicate what change was made with each modification, and what prompted the need for the change. I.e. I printed it and the design was too fragile, so I resliced the print to make thicker external walls, or to have a denser infill.
  3. Define your process for designing/printing. What software and/or hardware was used (indicate type of 3D printer or if item was created with 3D pen)?
  4. What materials were selected for your project?
  5. If your final design has any moving parts, define how you determined appropriate allowance in your design.
  6. Identify any changes that you would make to improve your design.
  7. Must include paragraph of what the youth learned while creating their project (i.e. way to improve their next creation)
  8. Paragraph on how 3D pens impact science, engineering, and technology.
- **H860008 Maker Space/Digital Fabrication (SF1051)** - This project is a computer generated projected created using a laser cutter, vinyl cutter, heat press or CNC router. Vector or 3D based

software such as Corel Draw or Fusion 360 would be an example of an appropriate software used to create your finished project. Project should include a notebook with the following:

1. What motivated you to create this project
2. Software and equipment used
3. Directions on how to create the project
4. Prototype of plans
5. Cost of creating project
6. Iterations or modifications made to original plans.
7. Changes you would make if you remade the project

**Team Entry Option:** To qualify for entry at the Nebraska State Fair team materials entered in H860007 – Maker Space Digital Fabrication must clearly be the work of a team instead of an individual, and must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing.

**Resources:**

**STEM Computers**

Learn about hardware and software; Discuss Internet safety; Create and save data; Use Internet search engines; Take apart a computer; Participate in a chat room; Create a newspaper or magazine; Build your own computer system; Design a Web site; Develop a multimedia presentation; Use spreadsheets

URL: <https://4hcurriculum.unl.edu/index.php/main/program/project/123>

## ELECTRICITY

In this category 4-H'ers have the opportunity to create informational exhibits about the different aspects of electricity. Through involvement in this category 4-H'ers will be better educated about electricity and be able to present their knowledge to others. For more resources and materials in this category refer to the resource section at the bottom of the page.

**Rules:**

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)

\*Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.

\*Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.

\*Demonstration boards should include an overall title for the display, plus other necessary labeling.

\* Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.

**Eligibility:**

Exhibits must have received a purple ribbon at the county fair to advance to State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4helectricity>.

### **Special Awards:**

Premier 4-H Science Award is available in this area. Please see General Rules for more details.

### **DIVISION 870**

#### **MAGIC OF ELECTRICITY: UNIT 1-COUNTY ONLY**

##### **CLASSES:**

- H870015 Bright Lights** - Create your own flashlight using items found around your house. Flashlights should be made out of items that could be recycled or reused. No kits please. Follow directions on page 11 of project manual
- H870016 Control the Flow** - Make a switch. Follow directions on page 13 of the project manual.
- H870017 Conducting Things** - Make a circuit with a switch and a light bulb that can be used to test different household items for their ability to act items that are insulators. Create a table that illustrates your results.
- H870018 Is There a Fork in the Road** - Use the following items to construct 1 parallel and 1 series circuit. Items: D cell battery, battery holder, insulated wire, bulb holder and a 2 or 2.5 volt light bulb.
- H870019 Mixed Media** - Create a paper craft and install lights using copper tape

#### **INVESTIGATING ELECTRICITY: UNIT 2-COUNTY ONLY**

##### **CLASSES:**

- H870020 Case of the Switching Circuit** - Follow directions on page 27 of the project manual. Write a short essay or create a poster that illustrates how 3 way switches function.
- H870021 Rocket Launcher** - Follow directions on page 31 of project manual. You must successfully build a rocket launcher and light 2 rocket igniters with your launcher. You DO NOT have to actually fire a rocket off of the launcher. Create a poster using photographs to show the "step by step process" you used to build your launcher.
- H870022 Stop the Crime** - Build an alarm following the directions on page 33 of the project manual. Create a poster using photographs to show the "step by step process" you used to build your alarm.

#### **WIRED FOR POWER: UNIT 3**

##### **CLASSES:**

- H870001 Electrical Tool/Supply Kit (SF224)** - Create an electrical supply kit to be used for basic electrical repair around the house. Include a brief description of each item and its use. Container should be appropriate to hold items.
- H870002 Lighting Comparison (SF225)** - Display studying the efficiency of various lighting (incandescent, fluorescent, halogen, Light Emitting Diodes, etc.). Exhibit could be a poster display, or an actual item.
- H870003 Electrical Display/Item (SF226)** - Show an application of one of the concepts learned in the Wired for Power project. Examples include: re-wiring or building a lamp, re-wiring or making a heavy duty extension cord or developing an electrical diagram of a house. Exhibit could be a poster display, or an actual item
- H870004 Poster (SF227)** - Poster should exemplify one of the lessons learned in the Wired for Power Project. Posters can be any size up to 28" by 22".

#### **ELECTRONICS: UNIT 4**

##### **CLASSES:**

- H870005 Electrical/Electronic Part Identification (SF228)** - Display different parts used for electrical/electronic work. Exhibit should show the part (either picture or actual item) and give a brief description, including symbol of each part and its function. Display should include a minimum of 10 different parts.

- **H870006 Electronic Display** (SF229) - Show an application of one of the concepts learned in the Electronics project. Examples include: components of an electronic device (refer to p. 35 of the Entering Electronics manual).
- **H870007 Electronic Project** (SF230) - Exhibit an electronic item designed by the 4-Her or from a manufactured kit that shows the electronic expertise of the 4-Her. Examples include: a radio, a computer, or a volt meter.
- **H870008 Poster** (SF231) - Poster should exemplify one of the lessons learned in the Entering Electronics Project. Posters can be any size up to 28" by 22".

**Resources:**

**STEM Electricity**

Explore electrical insulation; Learn about the effects of magnetism; Build and electromagnet and electric motor; Decode circuit diagrams; Build circuits and test voltages; Build a rocket launcher and a burglar alarm; Measure electrical usage; Replace electrical switches; Evaluate light bulbs and test for electrical power; Explore LED's and SCR's, transistors, and the construction of an SCR intruder alarm; Learn the basics of solid-state electronics; Build a blinking "flasher and an amplifier"; Explore LED's and SCR's

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/126](https://4hcurriculum.unl.edu/index.php/main/program_project/126)

## ROBOTICS

This category involves the many different aspects of Robotics. Participants will learn more about how robots are designed and developed as well as the mechanical and electronic elements of robots. Involvement in STEM Robotics gives participants a first-hand experience in modern technology. For more resources and materials in this category refer to the resource section.

**Rules:**

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so the owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
3. Posters can be any size up to 28" by 22" when ready for display. Example: tri fold poster boards are not 28" by 22" when fully open for display.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <http://go.unl.edu/ne4hrobotics>.

**DIVISION 861**

**ROBOTICS**

**CLASSES:**

- **H861001 Robotics Poster** (SF236) - Create a poster (28" X 22") communicating a robotics theme such as "Robot or Not", "Pseudocode", "Real World Robots", "Careers in Robots", or "Autonomous Robotics", "Precision Agriculture" or a robotic topic of interest to the 4-Her.
- **H861002 Robotics Notebook** (SF237) - Explore a robotics topic in-depth and present your findings in a notebook. Documentation should include any designs, research, notes, pseudocode, data tables or other evidence of the 4-Hers learning experience. The notebook should contain at least three pages. Topics could include a programming challenge, a programming skill, calibration, sensor exploration, or any of the topics suggested in Class 1.



- **H861004 Robotics/Careers Interview (SF239)** - Interview someone who is working in the field of robotics and research the career in robotics. Interviews can either be written or in a multimedia format such as a short video uploaded to a cloud sharing device. Include a QR code with your project to allow for judging access. State Fair qualified videos should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024. Videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing. Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12-point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.
- **H861005 Robotics Sensor Notebook (SF241)** - Write pseudo code which includes at least three sensor activities. Include the code written and explain the code function. Codes can be submitted as a multimedia format uploaded to a cloud sharing service. Include a QR code with your project to allow judging access. Multimedia presentations should be 3 to 5 minutes in length. State Fair qualified videos should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024. Videos can also be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.
- **H861007 Kit Labeled Robot (cannot be programmed.) and Notebook (SF243)** - This class is intended for explorations of robotic components such as arms or vehicles OR educational kits marketed as robots that do not have the ability to be programmed to "sense, plan and act." The exhibit should include a notebook with the robot the youth has constructed. Included in the notebook should be (1) a description of what the robot does, (2) pictures of programs the robot can perform, (3) why they chose to build this particular form, and (4) how they problem solved any issues they might have had during building and programming. A picture story of assembly is recommended. If robot is more than 15" inches wide and 20" inches tall they may not be displayed in locked cases.
- **H861008 3D Printed Robotics Parts (SF244)** - This class is intended for youth to create parts through 3D printing, that help create their robot or aid the robot in completing a coded function. Project should include notebook describing the process used to create the project, describe the success of your designed piece (did it work), intended use of the product and the modifications made to the item.

**Rules:**

1. Youth enrolled in Virtual Robotics, Junk Drawer Robotics (Levels 1, 2, or 3), or Robotics Platforms or GEAR TECH 21 may exhibit in any class within this division.
2. **Team Entries:** To qualify for entry at the Nebraska State Fair team materials entered in robotics classes that are clearly the work of a team instead of an individual must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing.
3. Creating a video of your robot in action would be helpful for the judges but is not mandatory. Videos should be uploaded to a video streaming application and exhibitors should provide a hard copy QR code for viewing. State Fair qualified videos should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024. Videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

**ROBOTICS SHOWCASE**

The 4-H Robotics Showcase is an opportunity for youth to showcase their Science, Technology, Engineering, and Math (STEM) talents by presenting their robot's design and programming

skills to judges and members of the public. All youth participants have the ability to interact with the judges and run the programs on the robot exhibit.

**Rules:**

1. Participants may enter as an individual or as a team. A team consists of 2-4 individuals.
2. Participants must be enrolled in a SET robotics project during the current 4-H year.
3. Participants should arrive at least 15 minutes prior to your assigned time to set up.
4. Participants must wear the State Fair 4-H t-shirt provided to them during the contest.

**CLASS:**

- **F500037 Robotics Video** - This class should be displayed in a notebook. The notebook should include a video clip on a CD/DVD that demonstrates the robot performing the programmed function. Include your pseudo code and screenshots of the actual code with a written description of the icon/command functions. Entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024, or videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions.
- **F500038 Build a Robot (may use kit)** - Include a robot and notebook including the pseudocodes for at least one program you have written for the robot, the robot's purpose, and any challenges or changes you would make in the robot design or programming. If robot is more than 15" inches wide and 20" inches tall they may not be displayed in locked cases. We recommend that you submit the project under class H861003 - Robotics Video. Junk Drawer Robotics do not qualify.

**Resources:**

**STEM Robotics**

Discover the design and functions of robotic arms; Build a robotic arm that moves; Explore robot movement, power transfer, and locomotion; Design and build machines that roll, slide, draw or move underwater; Make the connection between the mechanical and electronic elements of robots; Explore sensors, write programs, build circuits and design your own robot; Use commercial robotics kits to explore the world of robotics; Learn to program your robot using sensors, loops and conditional statements

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/136](https://4hcurriculum.unl.edu/index.php/main/program_project/136)

## GEOSPATIAL

STEM Geospatial is a diverse category that includes a variety of exhibits 4-H'ers can get involved in. Through participation in this category 4-H'ers will gain more knowledge about Nebraska's rich history and diverse geography. Take close note of the rules to ensure your exhibit qualifies. For more resources and materials in this category refer to the resource section.

**Rules:**

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
2. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
3. Please refer to the General Rules for the policy regarding firearms, items with a blade, and other related items.
4. Please refer to the General Rules for the policy regarding use of copyrighted images.

5. Premier 4-H Science Award is available in this area.

**Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

**Scoresheets, Forms, and Contest Study Materials:**

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hgeo>.

**DIVISION 880**

**GEOSPATIAL**

**CLASSES:**

- **H880001 Poster (SF299)** - Create a poster (not to exceed 14" x 22") communicating a GPS theme such as How GPS or GIS works, Careers that use GPS or GIS, How to use GPS, What is GIS, GPS or GIS in Agriculture, Precision Agriculture, or a geospatial topic of interest.
- **H880002 4-H Favorite Places or Historical Site Poster (SF299)** - The 4-H exhibitor identifies a favorite place or historical site (including grave sites) in Nebraska. Exhibit should include latitude and longitude, digital picture, and local area map. Poster size should not exceed 14" X 22".
- **H880003 GPS Notebook (SF300)** - Keep a log of at least 5 places visited using a GPS enabled device. At least one site should be from a community other than where you live. For each site, record the latitude, longitude and elevation. Also include a description of the site, a paragraph explaining what was interesting about the site or finding it. Photos of each site and/or cache are optional but encouraged.
- **H880004 Geocache (SF301)** - Assemble a themed geocache (physical geocache is REQUIRED with exhibit). Each geocache should be a water-tight container. It should include a logbook and pencil for finders to log their visits and may include small trinket, geo-coins, etc. for the finders to trade. Documentation should include a title, teaser description and the geographic coordinates of intended placement. Register the site at [geocaching.com](http://geocaching.com), include a print-out of its registry. The entry may include a photograph of the cache in its intended hiding place.
- **H880005 Agriculture Precision Mapping (SF302)** - 4-Hers will assemble a notebook that will include a minimum of 2 digital copies of various data layers that can be used in precision agriculture to identify spatial patterns and/or correlations (printed copies of websites were applications can be purchased is acceptable) A report of how the analysis of the various data will be used to make a management decision.
- **H880006 4-H History Map/Preserve 4-H History (SF303)** - Nominate a Point of Interest for the 4-H History Map Project. Include copy of submitted form in folder or notebook. To nominate a site for the 4-H history map please go to <http://arcg.is/1bvGogV>. For more information about 4-H history go to: [http://www.4-hhistorypreservation.com/History\\_Map](http://www.4-hhistorypreservation.com/History_Map). For a step by step video on nominating a point, please go to this link: <http://tinyurl.com/nominate4h>. Write a brief description of the historical significance of 4-H place or person. (a minimum of one paragraph)
- **H880007 GIS Thematic Map (SF302)** - Using any GIS software, create a thematic map. Thematic maps can utilize any subject of interest to the 4-H'er. Example map would be Amelia Earhart's or Sir Francis Drake's voyage, population density maps, water usage maps or 4-H project in Nebraska. Create GIS Map using data from books, and/or internet. Use reliable data, (U.S. Center or U.S. Census Bureau etc.) Map any size from 8.5" x 11" up to 36" x 24", which should include Title, Base Map, Neat Line, North Arrow, and Legend. Identify the source of your information on the back of the map.
- **H880008 Virtual Geocache (SF300)** - Keep a log of at least 5 places visited using a virtual geocache platform. At least one site should be from a community other than where you live. For each site, record the latitude, longitude and elevation. Also include a description of the site, a paragraph explaining what was interesting about the site or finding it. Photos of each site and/or cache are

optional, but highly encouraged.

## **CAREERS**

### **CLASS:**

- **H880010 Careers Interview (SF239)** - Interview someone who is working in a Geospatial field and include research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double-spaced, 12-point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

### **Rules:**

1. Youth enrolled in Geospatial may exhibit in any class within this division.

### **Resources:**

#### **Geospatial**

Learn about Geography; Learn about Geographic Information Systems (GIS); Learn about Global Positioning Systems (GPS)

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/132](https://4hcurriculum.unl.edu/index.php/main/program_project/132)

## **SMALL ENGINES**

### **DIVISION 890 COUNTY ONLY**

#### **CLASSES:**

- **H890001 Small Engine Display/Item** - Show an application of one of the concepts learned in the Warm It Up project. Examples include: comparison of engine oil types, transmissions, or safety related to engines. Exhibit could be a poster display, or an actual item.
- **H890002 Engine Display/Item** - Display/Item should exemplify one of the lessons learned in the Tune It Up Project. Examples include: diagnostic tools, fuel systems, ignition systems. If a complete engine is exhibited it will not be started. However, display needs to report process of building/rebuilding engine and how/where engine will be utilized (i.e. lawn mower, weed eater, snow blower, etc.)
- **H890003 Small Engine Display/Item** - Show an application of one of the concepts learned in the unit one project. Examples include: identify the parts of a small engine, a safety rules for starting a small engine, small engine repair tool identification.

## **ENERGY**

This category provides 4-Hers a way to present their ideas about renewable energy resources. Through participation in this category 4-Hers will learn more about physics, friction, energy, and elasticity. In addition, participants will make a display to go along with their findings. For more resources and materials in this category refer to the resource section at the bottom of the page. For help getting started with this project contact your county 4-H office.

### **Rules:**

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated.
2. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
3. Posters can be any size up to 28" by 22" when ready for display. Example: tri fold poster boards are not 28" by 22" when fully open for display.

### **Eligibility:**

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

### Scoresheets, Forms, and Contest Study Materials:

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hphysics-powerofwind>.

### Renewable Energy Resources:

\*United States Department of Energy: <https://www.energy.gov/clean-energy>

\*U.S. Energy Information Administration: <https://www.eia.gov/energyexplained/renewable-sources>

\*Natural Resources Defense Council: <https://www.nrdc.org/stories/renewable-energy-clean-facts>

### Special Awards:

Premier 4-H Science Award is available in this area. Please see <https://4hfairbook.unl.edu/fairbookview.php/contests/51> for more details.

### DIVISION 900 ENERGY

#### CLASSES:

- **H900001 Create and Compare Energy Resources Poster** (SF307) - Poster should explore 2 alternative/renewable energy resources. Compare and contrast the 2 resources including two of the following information: amount of energy created, costs of production, usability of the energy, pros/cons of environmental impacts, etc. Posters can be any size up to 28" by 22."
- **H900002 Experiment Notebook** (SF305) - Notebook will explore the scientific method involving alternative/renewable energy sources. Information required. 1.) Hypothesis 2.) Research 3.) Experiment 4.) Measure 5.) Report or Redefine Hypothesis.
- **H900003 Solar as Energy Display/Poster** (SF308) - Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of the sun. Examples include solar ovens, solar panels, etc.
- **H900004 Water as Energy Display/Poster** (SF308) - Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of water.
- **H900005 Wind as Energy Display/Poster** (SF308) - Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of wind.
- **H900006 Other Nebraska Alternative Energy** (SF306) - Notebook should explore Nebraskan alternative energy source besides wind, water, and solar power. Include information on type of power chosen, infrastructure for distribution, what resources are needed to create this alternative resource, cost of production, and potential uses of bio-products. Examples include geothermal, biomass, ethanol, bio-diesel, methane reactors, etc.

#### Resources:

##### STEM Energy

Learn basic principles of physics, such as friction, energy, elasticity; Do experiments with a radio-controlled pickup; Learn about wind and its uses; Design, create, build and test a wind-powered device; Explore wind as a potential energy source in the community

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/133](https://4hcurriculum.unl.edu/index.php/main/program_project/133)

## WOODWORKING

In this category 4-Hers have the opportunity to create exhibits about varying levels of woodworking. Participants can also create informational exhibits about their woodworking projects. Through involvement in this category 4-Hers will be better educated about the topic and better their woodworking skills. For more resources and materials in this category refer to the resource section.

## Rules:

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. **Requirements:** All articles exhibited must include a plan (with drawings or sketch or blueprints) stating dimensions and other critical instructions a builder would need to know how to build the project. Plans may include narrative instructions in addition to the dimension drawings and include any alternations to the original plan. Part of the score depends on how well the project matches the plans. If the plans are modified, the changes from the original need to be noted on the plans. All plans used for making the article must be securely attached and protected by a clear plastic cover.
3. 4-H'ers must be in Unit 3 or Unit 4 for the exhibit to be considered for State Fair. All projects must have appropriate finish.
4. If the project (i.e. picnic tables, wishing wells, swings, chairs, bridges, doghouses, etc.) is designed to be used outside, it will be displayed outside.
5. **All outside projects MUST have entry tag and supporting information placed in a protective bag to prevent damage from weather events such as rain and be ATTACHED to projects with string, zip ties, etc.**

## Eligibility:

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

## Scoresheets, Forms, and Contest Study Materials:

Scoresheets, forms, contest study materials, and additional resources can be found at <http://go.unl.edu/ne-4hwoodworking>.

## DIVISION 911

### MEASURING UP UNIT 1 -COUNTY ONLY

#### CLASSES:

**Article made with Hand Tools** - Items made using skills learned in the Measuring Up project guide. Examples include: recipe holder, stilts or other skill lever appropriate item. Construction plans must accompany item.

- H911021 Flower Box
- H911022 Napkin or Letter Holder
- H911023 Picture Frame
- H911024 Article comparable to items in Level 1.

### MAKING THE CUT UNIT 2- COUNTY ONLY

#### CLASSES:

**Article made with Simple Power Tools** - Item made using skills learned in the Making the Cut project guide. Examples include: birdhouse, foot stool, and napkin or letter holder. Construction plans must accompany item.

- H911025 Napkin or Letter Holder
- H911026 Birdhouse
- H911027 Foot Stool
- H911028 Article comparable to items in Level 2

### NAILING IT TOGETHER: UNIT 3

#### CLASSES:

- H911001 **Woodworking Article** (SF91) - Item should be made using either joints, hinges, dowels, or a dado joining made using skills learned in the Nailing It Together manual. Item is required to be appropriately finished. Examples include: bookcase, coffee table or end table.
- H911003 **Recycled Woodworking Display** (SF95) - Article made from recycled, reclaimed or composite wood. Article must be appropriately finished and/or sealed and utilize one or more woodworking techniques from page 2 of the Unit 3 manual. Exhibit must include the woodworking plan and a minimum one-page report of how the engineering design process was used to

develop the woodworking plan. Engineering Design Process 1. State the problem (Why did you need this item?) 2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?) 3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?) 4. Build the item (What was your woodworking plan, and what processes did you use to build your item?) 5. Reason for article finish (What type of finish, how did you finish or why you choose this finish?) 6. Evaluate (How does your item solve the original need?) 7. Present results (How would you do this better next time?)

●**H911004 Composite Wood Project (SF96)** - 60% of the project must be wood and 40% made from other materials such as metal, rubber, resin, etc. All plans and plan alternations must be attached to the article. Protect plans with a cover. If project is designed to be outside it is required to have appropriate outdoor finish because project may be displayed outside.

●**H911005 Outdoor Wood Project made with Treated Wood (SF97)** - Treated wood projects DO NOT have to have a finished coating. All plans and plan alternations must be attached to the article. Protect plans with a cover. If project is designed to be outside. Examples include: picnic tables, planters, outdoor furniture, etc.

●**H911006 Wood Projects Created on a Turning Lathe (SF??)** - Article is the object created from spinning wood on a turning lathe. Article must be appropriately finished and/or sealed. Exhibit must include plans detailing design and process of completion, any changes made to the design, details of finishing techniques, and other relevant information about the article. Must include a description of tools used.

#### **FINISHING UP: UNIT 4**

##### **CLASSES:**

●**H911007 Woodworking Article (SF91)** - Item made using skills learned in the Finishing It Up Project. Examples include: dovetailing, making a pen using lathe, overlays, using a router, etc. Item is required to be appropriately finished.

●**H911008 Recycled Woodworking Display (SF91)** - Article made from recycled, reclaimed or composite wood. Article must be appropriately finished and/or sealed and utilize one or more woodworking techniques from page 2 of the Unit 4 manual. Exhibit must include the woodworking plan and a minimum one-page report of how the design and engineering process was used to develop the woodworking plan. 1. State the problem (Why did you need this item?) 2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?) 3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?) 4. Reason for article finish (What type of finish, how did you finish or why you choose this finish?) 5. Build the item (What was your woodworking plan, and what processes did you use to build your item?) 6. Evaluate (How does your item solve the original need?) 7. Present results (How would you do this better next time?)

#### **CAREERS**

##### **CLASS:**

●**H911010 Careers Interview (SF239)** - Interview someone who is working in the field of woodworking and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12-point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

##### **Resources:**

#### **STEM Woodworking**

Develop skills such as measuring, squaring and cutting a board, driving nails, and using clamps and screws; Build a picture frame, a letter holder, a box, or an airplane; Measure, cut, sand, drill, and use advanced hand and power tools; Apply paint and use bolts and staples; Build a sawhorse, birdhouse, tool box, or a stool; Practice measuring angles, cutting dado and rabbet joints; Use a circular saw, a table saw, and a radial arm saw; Sand and stain wood

## WELDING

This category helps 4-Hers learn the basics of welding. In addition, 4-Hers get the opportunity to present their knowledge on the topic and display what they have made. Involvement in STEM Welding gives participants a first-hand experience in a skill that can be used for a lifetime. For help getting started with this project contact your county 4-H office.

### Rules:

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. All welds exhibited in class 1 or 2 must be mounted on a 12" high x 15" long display board of thickness not to exceed 3/8". Attach each weld on a wire loop hinge or equivalent, so the judge can look at the bottom side of the weld when necessary. Each weld should be labeled with information stated 1) type of welding process (stick, MIG, TIG, Oxy-Acetylene, etc.) 2) kind of weld, 3) welder setting, 4) electrode/wire rod size, and 5) electrode/wire rod ID numbers. Attach a wire to display board so it can be hung like a picture frame. No picture frame hangers accepted.
3. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
4. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
5. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should include the 4-Her's name and county, be computer generated, and be enclosed in a clear plastic cover. The reports should be attached securely to the display.
6. If no plans are included with welding art, welding article, welding furniture or composite weld project item will be disqualified.
7. All outside projects MUST have entry tag and supporting information placed in a protective bag to prevent damage from weather events such as rain and be ATTACHED to projects with string, zip ties, etc.

### Eligibility:

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

### Scoresheets, Forms, and Contest Study Materials:

Scoresheets, forms, contest study materials, and additional resources can be found at <http://go.unl.edu/ne-4hwelding>.

### DIVISION 920 ARCS AND SPARKS

#### CLASSES:

- **H920001 Welding Joints (SF281)** - A display of one butt, one lap and one fillet weld.
- **H920002 Position Welds (SF281)** - A display showing three beads welded in the vertical down, horizontal and overhead positions.
- **H920003 Welding Art (SF283)** - any art created using tack welds to hold the metal pieces together (examples include horseshoe projects). Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article. Protect plans with a cover. If project is designed to be outside, it is required to have appropriate outdoor finish.
- **H920004 Welding Article (SF281)** - Any shop article where welding is used in the construction. 60% of the item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to



the article. Protect plans with a cover. If project is designed to be outside it is required to have appropriate outdoor finish because project may be displayed outside.

●**H920005 Welding Furniture (SF282)** - Any furniture with 75% welding is used in the construction. 60% of the item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article. Protect plans with a cover. If project is designed to be outside it is required to have appropriate outdoor finish because project may be displayed outside.

●**H920006 Plasma Cutter/Welder Design (SF279)** - Plasma cutters/welders allowed for detailed design(s) to butt cut into metal. 4-H members will create a notebook describing the design process to create the "artwork" to butt cut into metal. In the notebook include:

\*A photo (front and back) of the finished project.

\*Instructions on how the design was created (include software used), this allows for replication of the project.

\*Lessons learned or improvements to the project.

\*Steps to finish the project.

●**H920007 Composite Weld Project (SF280)** - 60% of the project must be welded and 40% made from other materials such as wood, rubber, etc. Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article. Protect plans with a cover. If project is designed to be outside it is required to have appropriate outdoor finish because project may be displayed outside.

#### **Class 1: 4-H Welding Project Tips and Suggestions**

\*All welds should be made with the same electrode/wire/rod size and number.

\*Welds should be made only on one side of metal so penetration can be judged.

\*Welds should be cleaned with a chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil.

\*It is suggested that all welds be of the same size and thickness of metal. These pieces, referred to as coupons, should be 1.5 to 2 inches wide and 3.5 to 4 inches long. A good way to get this size is to buy a new cold rolled strap iron and cut it to length. The extra width is needed to provide enough metal to absorb the heat from the welding process and prevent the coupons from becoming too hot before the bead is completed. Narrower coupons will become very hot, making an average welder setting too cold at the bead start, just about right in the middle, and too hot at the end. The correct way to weld narrow strips is to make short beads and allow time to cool, however this project requires a full length bead.

\*Stick welding: Suggested coupon thickness - 1/4" if using 1/8" rod. Suggested rod-AC and DC straight or reverse polarity- first E-7014, second E-6013

\*MIG welding: Suggested coupon thickness - 1/4" if using .035 wire and 1/8" if using .023 wire

\*Oxy-Acetylene: Suggested coupon thickness - 1/8". Suggested rod- 1/8" mild steel rod 4-H

#### **Class 2: Welding Project Tips and Suggestions**

\*It is suggested that all welds be of the same size and thickness of metal. These pieces are referred to as coupons. The welds can be on one coupon that is about 4" x 4" or on individual coupons that are about 2" x 4" inch and 1/4" thick. Suggested rods for this class of position welds for AC and DC straight or reverse polarity is, first E-6013, second E-7014 and E-6010 for DC reverse polarity only.

\*Welds should be cleaned with a chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil.

\*4-H Welding Project Tips and Suggestions: Class 3 & 4 1. All welds should be cleaned and protected from rust with paint or light oil. Plans are to be complete enough that if they were given to a welding shop, the item could be made without further instructions. Bill of materials should include a cost for all items used including steel, electrodes, paint, wheels, etc.

#### Resources:

##### STEM Welding

Learn to cut metal with an arc solder; Weld high carbon, spring steel and alloy steels; Weld horizontal, vertical and overhead positions

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/143](https://4hcurriculum.unl.edu/index.php/main/program_project/143)

## VETERINARY SCIENCE

The purpose of a Veterinary Science exhibit is to inform the public about a common health problem of animals or a veterinary science principle.

#### Rules:

1. A Veterinary Science exhibit may consist of a poster, notebook or a display. The exhibit may represent material from any of the Veterinary Science projects including entry level exhibits from Unit I.
2. If photographs are to be part of the exhibit, remember that they will be viewed by the public. Make sure that the photographs are in good taste and will not be offensive to anyone. Graphic photographs of excessive bleeding, trauma or painful procedures are not appropriate. For exhibits related to veterinary surgical procedures, aseptic techniques need to be shown, for example, use of drapes, use of sterile procedures, wearing of gloves, and other appropriate veterinary medical practices.
3. **First-Aid Kits:** Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, **animal first aid kits containing any drugs or medications will be immediately disqualified and not displayed. First Aid kits wishing to include medication information should instead utilize written descriptions, photographs, drawings, computer generated print-outs, or empty packaging of pharmaceuticals.**
4. **Veterinary Science Posters:** This exhibit presents the viewer with a design that is simple and direct, unlike a display that usually presents more information. A poster should not exceed 22" x 28" and may be either vertical or horizontal.
5. **Veterinary Science Displays:** A display may include but is not limited to: a 3-dimensional exhibit, a scale model, the actual product (for example: skeleton; teeth; samples of leather, fur, or dried skin damaged by disease or parasites) or a notebook. A display is not a poster. A display may be mounted on poster board not to exceed 22" x 28" or on 1/4" plywood or equivalent that does not exceed 24" high or 32" wide or in a three ring binder or another bound notebook format.

#### Eligibility:

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

#### Scoresheets, Forms, and Contest Study Materials:

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hvetsscience>.

#### Special Awards:

Premier 4-H Science Award is available in this area. Please see <https://4hfairbook.unl.edu/fairbookview.php/contests/51> for more details.

### DIVISION 840 VETERINARIAN SCIENCE

#### CLASSES:

- H840001 4-H Veterinary Science Large Animal Poster, Notebook, or Display (SF119)
- H840002 4-H Veterinary Science Small Animal/Pet Poster, Notebook, or Display (SF119)

#### Rules:

## I. Appropriate Veterinary Science Topics:

- \*Maintaining health
- \*Specific disease information
- \*Photographic display of normal and abnormal characteristics of animals
- \*Animal health or safety
- \*Public health or safety
- \*Proper animal management to ensure food safety & quality
- \*Efficient and safe livestock working facilities
- \*Or a topic of the exhibitors choosing related to veterinary medicine or veterinary science

Remember, since these are science displays, all references and information needs to be properly cited. Proper sources include but are not limited to: Professional journals and publications, professional AVMA accredited websites, interviews with Veterinarians and excerpts from Veterinary Educational Literature. Plagiarism will result in a disqualification. Please study your topic and present the information to your audience in your own words.

### Resources:

#### Veterinary Science

Study bacteria, viruses and parasites; Learn about diseases relationship to nutrition, stress, heredity and poison; Learn basic disease prevention techniques; Study environmental influences on animal health; Learn about maintaining animal health; Explore veterinary medicine as a career; Take an animal's temperature and pulse; Recognize healthy skin and membranes; Clean and disinfect animals quarters; Understand animals basic needs; Keep health records; Learn about future veterinary science technology

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/20](https://4hcurriculum.unl.edu/index.php/main/program_project/20)

## FFA STATIC PROJECTS

### AGRICULTURAL MECHANICS

1. Each eligible exhibitor may have only 2 entries in each class. The official entry slip must accompany the entry.
2. Must be in and release schedule will be followed as designated in the fair schedule section of this book unless prior arrangements have been made with the FFA Superintendent.
3. Projects entered shall be the direct result of Agricultural Mechanics instruction in Ag-Ed and constructed primarily under the supervision of the Ag-Ed instructor. The student entering the project will have had at least 75% of the construction responsibility for the project.
4. Each item will be NEATLY tagged using the official FFA Agricultural Mechanics entry card. The name of the article, classification, the student's name, age, and grade level at time of construction, name of school, and cost of construction shall be completed at the time of entry. All other tags and stickers (county level) should be removed. The superintendent shall make final determination of class for each entry.
5. Household/industrial arts items are not eligible to exhibit, i.e. gun racks, desks, magazine racks, computer tables, etc. Items that appear to be craft items or industrial technology will not be permitted to show; show management has decision-making authority in this area. Small items receiving white ribbons may be removed if space is limited.
6. The power unit should be included on all power-driven equipment during the judging, but must be adjusted so it will not function thereafter, for the safety of the public.
7. Exhibits will be evaluated on the following basis:
  - \*Construction - soundness of joints and attachments, correctness, neatness of cuts ..... 40 points
  - \*Utility - functional design, ease of use, portability, or storability..... 40 points

\*Workmanship - attention to detail and neatness; should not impact immediate function ..... 20 points

**Be sure to check with your FFA advisor and the extension office before bringing any of the Large Item projects.**

#### **DIVISION 910 UTILITY**

To include items/tools used in or about the Agricultural Mechanics facility.

**CLASSES:**

- F910001 Large Items** – wagons, trailers
- F910002 Medium Items** – carts, welding tables, presses, engine hoists, engine stands
- F910003 Small Items** – splash blocks, tool boxes, foot scrapers, stools, car ramps, jack stands

#### **DIVISION 911 PRODUCTION**

To include items/tools used in crop or livestock production.

**CLASSES:**

- F911001 Large Items** - loading chute, bale carrier, hog carrier
- F911002 Medium Items** - stock panels, sheep blocker
- F911003 Small Items** - post driver, post puller, troughs

#### **DIVISION 912 POWER**

To include items/tools which incorporate an electric/hydraulic, and/or fuel motor as a power source to perform a function. Equipment must be prepared for display in the power category.

**CLASSES:**

- F912001 Large Items** - large sprayers
- F912002 Medium Items** - log splitter
- F912003 Small Items** - small sprayer

#### **DIVISION 913 HORTICULTURE**

To include items/tools used around the lawn/garden for recreation or improvement purposes.

**CLASSES:**

- F913001 Large Items** - grills, smokers, planters, mini-sprayers
- F913002 Medium Items** - – picnic tables, patio seats, patio table
- F913003 Small Items** - plant stands, planter boxes, signs

#### **DIVISION 914 REFURBISHING**

A restoration of an item/tool which has current benefit to one of the previous categories. The following must accompany the project: a narrative describing the condition of the item/tool prior to the repair; steps taken to repair the item; a bill of materials which indicates costs; and attractively mounted pictures with appropriate captions.

**CLASSES:**

- F914001 Large Refurbishing** - tractors
- F914002 Medium Refurbishing** - lawn mowers, tillers, power garden items
- F914003 Small Refurbishing** - antique farm tools

#### **DIVISION 915 DISPLAY BOARDS**

1.A display board shall be items completed by FFA members during the previous school year.

2.Each display board shall be 18" x 24" x 3/8".

3.Welding boards shall identify: 1) kind of weld; 2) position; 3) amperage; 4) electrode size; 5) AWS number; and 6) thickness or dimension of metal.

4.A total of 8 welds is recommended for welding boards.

Recommended welds include:

- \*Flat position Butt, (Lap Horizontal) plates flat
- \*Horizontal position Butt, Lap, T-fillet
- \*Vertical position Butt, Lap, T-fillet

5. Welds shall be attached so all sides are available for evaluation. Judges will deduct points if welds are mounted solid. No specific welds are required; however, welds must differ from one another by at least position, electrode size, AWS number, thickness or dimension of metal, or kind of weld. **See the FFA State Fair Welding Board Rubric for additional criteria.**

**CLASSES:**

- **F915001 ARC**
- **F915002 MIG**
- **F915003 TIG**
- **F915004 Gas Welding/Brazing**
- **F915005 Electrical** - Must include at least 1 switch, 2 types of splices, 1 light fixture or receptacle
- **F915006 Plumbing** - Must use 3 types of pipe (copper, plastic, steel). Must include soldering, flare fitting, glued joint, and steel threaded joint
- **F915007 Advanced Electrical/Plumbing** - Contains controls, valves, timers, motors, etc.

## **CROPS & RANGE BOARDS**

**DIVISION 916 CROPS**

1. Each eligible exhibitor may have only 1 entry in each class. The official entry slip must accompany the entry. All exhibits must be a part of the FFA member's SAE.

2. Must be in and release schedule will be followed as designated in the fair schedule section of this book unless prior arrangements have been made with the FFA Superintendent.

3. Corn stalks will be exhibited without roots.

4. No grain shall be returned as this is a terminal show.

5. Grain should be entered in a 4-quart plastic bucket with lid such as an ice cream bucket. Each sample of grain shall be 2 quarts.

Grain will be judged on the following criteria:

- \*Color
- \*Uniformity
- \*Purity (varietal, crops, weeds)
- \*Inert Material (stems, chaff, dirt)
- \*Soundness (cracked or broken kernels)
- \*Insect Damage
- \*Condition (heat damage, sprouted kernels)

6. Exhibitors must have or had a crop project during the current or preceding year which is being exhibited. Crops such as barley, rye, popcorn, and dry edible beans are eligible to be exhibited provided the crop was appropriately harvested in current or preceding year.

**CLASSES:**

- **F916001 Oats, Current Year**
- **F916002 Winter Wheat, Current Year**
- **F916003 Grain Sorghum, Previous Fall**
- **F916004 Grain Sorghum (10 heads-10" sheath of Heads), Current Year, Wrapped or Tied**
- **F916005 Shelled Yellow Corn, Previous Fall**
- **F916006 Shelled White Corn, Previous Fall**
- **F916007 Ears of Corn, Yellow (10 ears), Current Year**
- **F916008 Ears of Corn, White (10 ears), Current Year**
- **F916009 Stalks of Corn, Yellow (3 Stalks-do not include roots), Current Year, No pots or buckets.**
- **F916010 Stalks of Corn, White (3 Stalks- do not include**

roots), Current Year, No pots or buckets.

- F916011 **Shelled Popcorn**, Previous Fall
- F916012 **Ears of Popcorn**, (10 ears), Current Year
- F916013 **Stalks of Popcorn**, (3 Stalks- do not include roots), Current Year, No pots or buckets.
- F916014 **Soybeans**, Previous Fall
- F916015 **Soybeans Plants** (6 stalks cut at ground level), Current Year, Wrapped or Tied
- F916016 **Small Grains** (Sheath of Heads 2" in diameter, 24" stems), Current Year
- F916017 **Alfalfa Sheath**
- F916018 **Alfalfa**, One Slab of Bale
- F916019 **Brome or Native Grass**, One Slab of Bale
- F916020 **Other**, Wrapped or Tied

#### DIVISION 917 RANGE BOARDS

1. All Range Boards shall be 36" x 36" & 3/8" thick. Mounted range plants excluding invader plants must be on the list of important range plants (**Table #1, Range Judging Handbook for Nebraska, E.C. 1-37-78**). Mounted range plants must include roots, stem, and head. The Board shall not be covered by a plastic material.

2. Display Boards should have at least 15 range plants. The exhibit must include the following information for each range plant:

- \*Common name
- \*Scientific name
- \*Forage value
- \*Season of growth
- \*Life span

#### **CLASSES:**

- F917001 **Range Board Jr Class** - Jr High, Freshmen, Sophomores
- F917002 **Range Board Sr Class** - Juniors, Seniors, Out of School

## **HORTICULTURE**

#### DIVISION 918 INDIVIDUAL VEGETABLES & FRUITS

\*No entries will be accepted that require processing, canning, baking, etc. (examples - breads, cookies, cakes, salsa, jelly).

\*No waxing or leaf shine on horticultural entries.

#### **CLASSES:**

- F918001 **Apples, red** (5 specimens with 1" stem)
- F918002 **Apples, yellow** (5 specimens with 1" stem)
- F918003 **Beans, yellow** (10 pods w/calyx (stem))
- F918004 **Beans, green** (10 pods w/calyx (stem))
- F918005 **Beets** (5 specimens w/tops 1/2" long & tap root)
- F918006 **Broccoli** (1 specimen over 3" diameter and 6" long stock)
- F918007 **Cabbage** (1 specimen, loose leaves removed, at least 2 layers of sound green outer leaves left on, trim root smooth w/base of leaves)
- F918008 **Carrots** (3 specimens, top 1" - 1 1/2" long w/tap root)
- F918009 **Cauliflower** (1 specimen, trim leaves even w/top, remove older leaves, cut stem below last remaining leaf)

- F918010 **Celery** (1 specimen with roots and stalks intact)
- F918011 **Cucumbers** (3 slicing, leave 1/2" stem)
- F918012 **Cucumbers** (5 pickling, leave 1/2" stem)
- F918013 **Eggplant** (2 specimens with 1 1/2" stem)
- F918014 **Gourds** (5 specimens, mixed types with 1/2 - 1" stem)
- F918015 **Gourds** (3 specimens, single variety with 1/2 - 1" stem)
- F918016 **Gourd (Most Unique specimen)** (1 gourd per exhibitor, maximum of 5 entries per chapter)
- F918017 **Grapes, red** (3 clusters)
- F918018 **Grapes, white** (3 clusters)
- F918019 **Grapes, other** (3 clusters)
- F918020 **Melon, musk or honeydew**, (1 specimens, stems removed)
- F918021 **Okra** (5 specimens, 1/2 - 1" stem)
- F918022 **Onions, yellow** (5 specimens, remove only one layer of skin, leave 1" - 1 1/2" stem, trim root to 3/4")
- F918023 **Onions, red** (5 specimens, remove only one layer of skin, leave 1" - 1 1/2" stem, trim root to 3/4")
- F918024 **Onions, white** (5 specimens, remove only one layer of skin, leave 1" - 1 1/2" stem, trim root to 3/4")
- F918025 **Parsnips** (3 specimen, top 1"-1 1/2"long w/tap root)
- F918026 **Pepper, Jalapeno** (3 specimens, leave 1/2" - 1" stem)
- F918027 **Pepper, other hot peppers**, (3 specimens, leave 1/2" - 1" stem) Exhibitor cannot have same variety in both classes of "Pepper, other hot peppers."
- F918028 **Pepper, other hot peppers**, (3 specimens, leave 1/2" - 1" stem) Exhibitor cannot have same variety in both classes of "Pepper, other hot peppers."
- F918029 **Pepper, sweet banana peppers**, (3 specimens, leave 1/2" - 1" stem)
- F918030 **Pepper, sweet bell peppers**, (3 specimens, leave 1/2" - 1" stem)
- F918031 **Pepper, other sweet peppers**, (3 specimens, leave 1/2" - 1" stem)
- F918032 **Potatoes, red** (5 specimens, can be washed but do not scrub)
- F918033 **Potatoes, russet** (5 specimens, can be washed but do not scrub)
- F918034 **Potatoes, white** (5 specimens, can be washed but do not scrub)
- F918035 **Potatoes, other** (5 specimens, can be washed but do not scrub)
- F918036 **Pumpkin, field type** (1 specimen with 1" - 1 1/2" stem)
- F918037 **Pumpkin, largest by weight**, and an acceptable degree of quality (1 specimen with 1" - 1 1/2" stem)
- F918038 **Pumpkin, small**, less than 4" in diameter (3 specimens with 1/2" stem)
- F918039 **Pumpkin, most unusual** (5 entries per chapter)
- F918040 **Rhubarb** (5 stalks, pulled from ground, with the leaf cut in a 2 inch fan)
- F918041 **Squash, acorn** (2 specimens, leave 1" stem)

- F918042 **Squash, butternut** (2 specimens, leave 1" stem)
- F918043 **Squash, zucchini** (2 specimens, leave 1" stem)
- F918044 **Squash, yellow, straight neck**, (2 specimens, leave 1" stem)
- F918045 **Squash, yellow, crooked neck**, (2 specimens, leave 1" stem)
- F918046 **Squash, any other variety** (2 specimens, leave 1" stem)
- F918047 **Sweet Corn**, (3 ears, do not remove husks, trim silk to within 1" of top of husk, 1" - 2" long shank)
- F918048 **Sweet Potatoes, red gold** (5 specimens, can be washed, do not scrub)
- F918049 **Sweet Potatoes, yellow** (5 specimens, can be washed, do not scrub)
- F918050 **Tomatoes, red** (5 specimens, with 3/4" or larger stem)
- F918051 **Tomatoes, yellow** (5 specimens, with 3/4" or larger stem)
- F918052 **Tomatoes, cherry** (10 specimens, 1 1/2" or less in diameter, with 1/2" or longer stem)
- F918053 **Tomatoes, Roma** (5 specimens, 3/4" stem)
- F918054 **Tomatoes, other tomatoes, slicer** (5 specimens, 3/4" stem)
- F918055 **Turnips** (3 specimens, 1 1/2 - 2" top)
- F918056 **Watermelon, oblong type** (1 specimen)
- F918057 **Watermelon, round type** (1 specimen)
- F918058 **Watermelon, largest by weight**, and an acceptable degree of quality (1 specimen)
- F918059 **Other vegetables**
- F918060 **Other fruits**

#### **DIVISION 919 HOME & GARDEN FOOD BASKET DISPLAY**

\*This exhibit is a quality selection of 6-10 different kinds and/or varieties of mature vegetables and/or fruits. Amounts of vegetables & fruits in this exhibit should be such that they can be arranged in a neat and orderly manner and have good eye appeal. There must be enough of each vegetable or fruit for the judge to determine quality.

\*Any combination of vegetables and fruits of any kind may be used. The exhibit must be arranged a container such as a basket or box. It may be covered with a clear plastic cover but judges must be able to handle produce to determine quality.

\*One-third of the judging will be on how well the exhibit is prepared and presented. Packing, such as paper, straw or cloth, may be used but the vegetables and fruits should be the main attraction of the exhibit.

#### **CLASSES:**

- F919001 **Home Garden Food Basket Display** (single exhibitor)
- F919002 **Chapter Garden Food Basket Display** (needs to be comprised of produce from three members)

#### **DIVISION 920**

#### **HOUSE PLANT**

1. Plants should be properly prepared meaning the plant should be well-rooted in a container appropriate for the size of the plant. Plants should not be root-bound or pot-bound.

2. Plants must be groomed for exhibition. Plants may only be cleaned with water. Plants should be free of diseases, insect damage, insects, wax, or any artificial additives.



3. A label with ¼" text height or greater is to be staked into the soil including the following information:

- \*cultural instructions of how you grew this plant o water requirements (such as dry, semi-dry, damp)
- \*ife requirements (sun, semi-shade, shade)
- \*how this plant was propagated (bought, stem cutting, lead cutting, seed, etc.)

4. Plants without the above information will not be evaluated. Label may not be of such a size as to obscure viewing of plant. Broad information such as "Water when dry" is not explicit enough for these requirements.

5. The exhibit is judged on the quality of the plant, not the container. Elaborate and expensive containers will not be considered in the judging of the plant.

### FOLIAGE PLANT

#### CLASSES:

- F920001 Angelwing Begonia
- F920002 Arrowhead
- F920003 Coleus
- F920004 Complant
- F920005 Croton
- F920006 Dracaena
- F920007 Dumbcane
- F920008 Jade
- F920009 Peace Lily
- F920010 Pothos
- F920011 Rubber Plant
- F920012 Schefflera
- F920013 Snake Plant
- F920014 Any Other

### POTTED FLOWERING PLANT

#### CLASSES:

- F920015 African Violet
- F920016 Begonia
- F920017 Chrysanthemum
- F920018 Geranium
- F920019 Petunia
- F920020 Any Other

### CACTI

#### CLASSES:

- F920021 Single Cacti
- F920022 Desert Garden – All Cacti
- F920023 Single Succulent
- F920024 Succulent Garden

### HANGING BASKETS

#### CLASSES:

- F920025 Philodendrons (one variety)
- F920026 Pothos
- F920027 Swedish Ivy
- F920028 Several Varieties Combined (3 or more)
- F920029 Any Other

## POTTED PLANTS

### CLASSES:

- F920030 Herb
- F920031 Fairy Garden (12 inches and under)
- F920032 Fairy Garden (more than 12 inches)
- F920033 Several Varieties Combined (3 or more)
- F920034 Unique Potted Plant (any rare or unusual plant, specified variety)
- F920035 Terrarium/Dish Gardens
- F920036 Any Other

## DIVISION 921 FLORAL ARRANGEMENTS

Floral arrangements exhibited by FFA members must have been arranged as a part of an FFA member's SAE or laboratory project. The materials may be purchased or grown by the exhibitor.

### CLASSES:

- F921001 Floral, fresh cut flowers/foilage in a bud vase (no more than three flowers)
- F921002 Floral, fresh cut flowers/foilage (more than three flowers)
- F921003 Floral, dried flower/foilage
- F921004 Floral, artificial flowers/foilage
- F921005 Floral, live plants
- F921006 Floral, combination of above
- F921007 Boutonniere (artificial) (in a see-through container)
- F921008 Corsage (artificial) (in a see-through container)
- F921009 Boutonniere (natural) (in a see-through container)
- F921010 Corsage (natural) (in a see-through container)
- F921011 Wreaths, 12" or less (artificial)
- F921012 Wreaths, over 12" (artificial)
- F921013 Topiary
- F921014 Go Big Red Arrangement
- F921015 Christmas Theme Arrangement
- F921016 Fall Theme Arrangement
- F921017 State Fair Theme Arrangement

\*Note: Themed arrangements may be fresh, dried, artificial, or any combination thereof.

## DIVISION 922 INDIVIDUAL FLOWERS

### CLASSES:

- F922001 Asters (3 blooms)
- F922002 Bachelor Buttons (5 blooms)
- F922003 Bells of Ireland (3 stems)
- F922004 Celosia, feather/plume (3 spikes)
- F922005 Celosia, crested/cockscorb (3 flower heads)
- F922006 Chrysanthemum (blooms)
- F922007 Coneflower (3 blooms)
- F922008 Cosmos (5 blooms)
- F922009 Dahlia, small (under 5", 3 blooms)
- F922010 Dahlia, medium (5"-8" in diameter, 1 bloom)

- F922011 Dahlia, large (over 8" in diameter, 1 bloom)
- F922012 Daisy (5 blooms) 9342 Dianthus (5 blooms)
- F922013 Foxglove (5 blooms)
- F922014 Gaillardia (5 blooms)
- F922015 Gladiola (3 stems)
- F922016 Gomphrena (5 blooms)
- F922017 Marigold, small, single color (under 3" blooms, 5 blooms)
- F922018 Marigold, small, bi-color (under 3" blooms, 5 blooms)
- F922019 Marigold, large, single color (over 3" blooms, 3 blooms)
- F922020 Marigold, large, bi-color (over 3" blooms, 3 blooms)
- F922021 Mums (5 blooms)
- F922022 Pansy (5 blooms)
- F922023 Petunia, single (3 blooms on 1' stems, one variety)
- F922024 Petunia, double (3 blooms on 1" stems, one variety)
- F922025 Petunia, bi-color (3 blooms on 1" stems, one variety)
- F922026 Rose (1 stem, any variety) 9357 Rudbeckia (5 blooms)
- F922027 Salvia (3 stems)
- F922028 Sedum (3 blooms)
- F922029 Snapdragon (3 spikes)
- F922030 Statice (5 blooms)
- F922031 Strawflowers (5 blooms)
- F922032 Sunflowers (3 blooms)
- F922033 Vinca (5 blooms)
- F922034 Yarrow (5 blooms)
- F922035 Zinnia, dwarf (1/2 to 2", 5 blooms)
- F922036 Zinnia, medium (2 to 4 1/2", 3 blooms)
- F922037 Zinnia, giant (over 4 1/2", 3 blooms)
- F922038 Other flower (3 stems)

#### DIVISION 923 HERBS

All herbs will be five stems freshly cut from the garden and displayed in a vase of water.

#### CLASSES:

- F923001 Basil
- F923002 Chive
- F923003 Dill
- F923004 Lavender
- F923005 Mint
- F923006 Oregano
- F923007 Parsley
- F923008 Rosemary
- F923009 Sage

- F923010 Thyme
- F923011 Tarragon
- F923012 Other Herbs

**DIVISION 924 SPECIAL**

**CLASSES:**

- F924001 Horticulture Board – examples for display could be a leaf board, bark board, twig board, horticulture weeds board, etc.
- F924002 Living Tree (propagated by student)
- F924003 Other Special Exhibit

## **APICULTURE**

\*The following classes are open to both FFA and 4-H participants. However, only FFA exhibits are eligible for State Fair. These will be County Only exhibits for 4-H participants.

**DIVISION 925 HONEY**

**CLASSES:**

- F925001 White/Light - (4) 1-pound queenline glass jars
- F925002 Light Amber/Amber - (4) 1-pound queenline glass jars
- F925003 Dark Amber/Dark - (4) 1-pound queenline glass jars
- F925004 Creamed Honey - (4) 1-pound glass jars. Cylindrical jars are preferred.
- F925005 Chunk Comb Honey - (4) 1-pound glass jars. Cylindrical jars are preferred.
- F925006 Cut Comb Honey - (4) 12-ounce combs in plastic boxes.
- F925007 Section Comb Honey - (4) wood sections packaged in cardboard-cellophane window cartons, (4) round sections with clear covers and label, or (4) half-combed cassettes
- F925008 Beeswax Candles - consist of a pair of beeswax candles that are either molded or dipped.
- F925009 Gift Basket - a gift basket of honey and products made from or with products of the hive.
- F925010 Beekeeping Story - (10) 4" x 6" pictures mounted on a poster board with captions that explain beekeeping or skills of a beekeeper to manager a hive throughout the year.

## **4-H/FFA ANIMAL PROJECTS**

### **COMPANION ANIMAL COUNTY ONLY (4-H ONLY)**

**CLASS DESCRIPTIONS:**

\*Only those animals listed above will be allowed to show in the companion animal show.

\*Any class with less than 5 entries will be combined into one "companion animal" class.

\*Entries in the Morrill County 4-H Companion Animal Show are judged on the overall health and appearance of the animal, and the exhibitor's presentation and knowledge of the animal; not judged according to breed standards. Mixed breed animals can be entered and identification is not required. Rabbits shown in the pet rabbit class cannot be shown in the Morrill County Fair rabbit show.

\*Substitute entries will be accepted on the day of the show if an advanced entry is on file

## DIVISION 100 COMPANION ANIMAL

### **CLASSES:**

- G100001 **Cat** – 4 months of age or older
- G100002 **Pet Rabbit** – 9 weeks of age or older
- G100003 **Ferret** – 4 months of age or older
- G100004 **Chinchilla** – 7 weeks of age or older
- G100005 **Guinea Pig** – 4 weeks of age or older
- G100006 **Gerbil** – 4 weeks of age or older
- G100007 **Hamster** – 4 weeks of age or older
- G100008 **Mouse** – 4 weeks of age or older
- G100009 **Rat** – 4 weeks of age or older
- G100010 **Hedgehog** – 5 weeks of age or older
- G100011 **Other Companion Animal** (Horses, dogs, and snakes are not allowed)
- G100012 **Poster**

\*Poster division (#12) can include entries covering any companion animal (including reptiles, companion birds, or others). Poster should be the size of one full standard poster (should not exceed 22"x28") board. Exhibitors should make a poster with information on the proper care of a companion animal (may include companion animals not exhibited in the Companion Animal Show). However, posters should not cover an animal the exhibitor is showing in the Companion Animal Show in another class. Exhibitors must be present at time of judging and will be judged on quality of the poster, accuracy of information provided, and ability of the exhibitor to explain the information and answer judge's questions.

### **Resources:**

#### **Companion Animal**

Learn about cat breed, senses, shows, tricks, signs of illness and health, cat sounds, emergency situations, feeding, special diets, and traveling with cats; Find out what it costs to have a pet; Learn about animal digestion; Learn to keep a pet healthy; Consider career with animals

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/207](https://4hcurriculum.unl.edu/index.php/main/program_project/207)

## **DOG**

### **4-H ONLY**

**Superintendent – Tina Dueker**

### **General Rules:**

\*To be eligible to participate in showmanship and obedience in the Dog Show project area all youth must adhere to the following policies: All dogs shown must be a bona fide project of the exhibitor and owned: By the 4-H'er; OR

\*By the exhibitor in partnership with other member(s) of his or her immediate family. Only the name of the showman can be on the show entry. Immediate family is defined as members of a household, including parents, brothers and sisters, and youth in the care of the head of the household; OR

\*By someone outside the immediate family, but identified by the exhibitor, provided the exhibitor provides the primary care and training for the dog (cares for, feeds, trains, grooms, etc.), has use of the dog as a 4-H project animal at least 75 percent of the time during the project year and permission for the use of the dog is certified in an owner's affidavit. The dog should reside with the exhibitor or be cared for by the exhibitor the majority of the year.

\*A dog must be 6 months or older to be exhibited in dog competitions.

\*All dogs must be immunized for DHL, Coronavirus, Parvo and

Rabies. Exhibitors are required to bring certificate of immunization. No animal will be allowed to show if found unfit.

\*Dogs with AKC degrees will show as follows: "CD" degree must show in Graduate Novice or higher "CDX" or "UD" degree must show in Utility

\*Females in season will not be permitted to show, lame or crippled dogs will not be permitted to show.

\*Exhibitor and dog must attend at least two practices of the Morrill County Dog Club before fair. The leader will verify this.

\*An exhibitor may make no more than two entries. For example, an exhibitor may make two entries in obedience or one entry in obedience and one entry in showmanship. A dog can be entered in only one obedience class

\*An exhibitor must wear a white shirt, County t-shirt or long sleeved with jeans or jean capris. An exhibitor must wear closed toe shoes.

## **DIVISION 700 DOG SHOWMANSHIP**

### **CLASSES:**

- G700010 Junior Showmanship** (*ages 8-10*)
- G700020 Intermediate Showmanship** (*ages 11-13*)
- G700030 Senior Showmanship** (*ages 14 and up*)

## **DIVISION 701 DOG OBEDIENCE CLASS**

ADVANCEMENT LEVELS IN OBEDIENCE CLASSES AND AGILITY CLASSES – Follow rules in Nebraska 4-H Dog Show Guidelines 4-H 420. A youth will move up to a 'transition year', after they receive 2 purples in a specific class at county or state level competition. Youth will finish their 4-H year at the same level if the second purple ribbon occurs in the middle of their 4-H year. Youth do not have to move up in the middle of a 4-H year. Youth will then have the option to stay in their current class for one additional year (after receiving 2 purple ribbons) called the 'transition year'. During the transition year, youth will practice the more advanced class (gaining skills such as off leash work) but may compete in their same level. Youth may advance up to the next level more quickly with advice/assistance from a leader and parent to help evaluate skill and readiness of youth and dog. This may especially occur if the youth has had previous dog handling experiences.

BEGINNING NOVICE - All exercises must be performed on a six-foot leash. Dogs must heel including figure 8: Stand for examination; come on recall; long sit for one minute and long down for three minutes.

### **CLASSES:**

- G701010 Beginning Novice Division A** - Exhibitor and dog are in first year of competition (started Dog Project after 10/1/2023). Exhibitors incorrectly entered will be moved to Beginning Novice Division B or C.
- G701020 Beginning Novice Division B** - Exhibitor or dog is beyond first year of competition.
- G701025 Beginning Novice Division C** - Exhibitor and dog are beyond first year of competition.
- G701030 Novice A** - Exhibitor and dog have received a purple in Beginning Novice and are in first year of Novice Class competition (started after 10/1/2023).
- G701035 Novice B** - Exhibitor and dog are beyond first year of Novice Class competition.
- G701040 Graduate Novice** - Exhibitor and dog have received a purple in Novice.
- G701045 Advanced Graduate Novice** - Exhibitor and dog have received a purple in Graduate Novice.
- G701050 Open** - Exhibitor and dog have received a purple in Adv. Graduate Novice
- G701055 Graduate Open** - Exhibitor and dog have received a

purple in Open

●**G701060 Utility** - Exhibitor and dog have received a purple in Graduate Open

### **DIVISION 702 DOG AGILITY**

Agility Jump heights (measure dogs at withers to determine jump height):

- \*Dogs 11 inches or less – 4 inches,
- \*Dogs over 11 inches up to and including 14 inches – 8 inches,
- \*Dogs over 14 inches up to and including 18 inches – 12 inches,
- \*Dogs over 18 inches – 16 inches.

#### **CLASSES:**

The following classes are available upon request only. The Dog Superintendent and Extension Office must be notified by June 15th if participants are wanting to compete at Level 4 and 5 due to limited supplies available. If supplies are able to be obtained by the fair, participants may compete.

●**G702010 Level 1 (On Leash) 6 obstacles** – 3 bar jumps which have two bars each, short dog walk, pause box or table, and tunnel (open).

●**G702020 Level 2 (On Leash) 10 obstacles** – several bar jumps which have two bars each, short dog walk, pause box or table, tunnel (open), chute (collapsed or closed tunnel), solid panel jump and tire jump (hoop jump).

●**G702030 Level 3 (Off Leash) 10 obstacles** – same obstacles as Level 2 but dogs run off leash for Level 3.

●**G702040 Level 4 (Off Leash) 13 obstacles** – bar jump which has one bar each, bar jump which has two bars each, tall dog walk, pause box or table, tunnel (open), chute (collapsed or closed tunnel), solid panel jump, teeter totter (seesaw), weave poles (single set with 6 poles), and tire jump (hoop jump)

●**G702050 Level 5 (Off Leash) 15 – 20 of any of the following obstacles such as** - bar jump which has one bar each, bar jump which has two bars each, tall dog walk, pause box or table, tunnel (open), chute (collapsed or closed tunnel), solid panel jump, A-frame short, A-frame tall, teeter totter (seesaw), weave poles (single set with 6 poles), weave poles (double set with 12 poles), and tire jump (hoop jump) broad jump, dump jump, triple bar jump, swing bridge, crawl, etc. Number of obstacles used for a course will depend on ring size and available equipment at show site. Course layout may include more advanced handling techniques.

### **DIVISION 703 DOG SKILLATHON CONTEST**

The contest will consist of a series of stations that are designed to test your knowledge of dogs. Some stations may be visual diagrams or hands on activities to demonstrate a dog related technique. **Find more information on page 16.**

#### **Classes:**

●**G703001 Junior Division** (ages 8-12)

●**G703002 Senior Division** (ages 13-18)

### **DIVISION 704 DOG RALLY**

Rally obedience is a dog sport based on obedience. Rally Obedience is a dog performance class that uses directional signs that are numbered to indicate the course the handler to follow during the performance. The team of dog and handler heel from sign to sign, and perform the exercises indicated by the numbered sign at each location. At the start sign, the judge gives permission to start the course and then the dog and handler go through the course. The judge will say “Are you ready?” followed by “Forward.” No other directives are given. The course consists of signs that instruct the team what to do. Unlike traditional obedience, handlers are allowed to encourage their dogs during the course. There are 4 classes and the number of stations/signs is noted (start and finish signs are not included in the sign count and are automatically used). Signs may be duplicated and used more than one time to create the course. Although every course will have many of the same

exercises, the sequence of those exercises in the course design may vary.

#### CLASSES:

- G703010 **Beginning Rally** – dog is on leash and there are 5 to 10 stations. These beginning Rally signs are suggested – halt sit, halt down dog, right turn, left turn, about turn right, slow pace, fast pace, and normal pace. These are the same commands that exhibitors use in beginning novice obedience levels.
- G703020 **Rally 1** - dog is on leash , 10 to 15 stations.
- G703030 **Rally 2** - dog is off leash, 12 – 17 stations
- G703040 **Rally 3** - dog is off leash, 15 to 20 stations.

#### DIVISION 705 DOG PROJECTS (COUNTY ONLY)

Projects must have been constructed during the current 4-H year. The following classes will be judged 50% on workmanship and 50% on proper size or correct contents and use of proper material for that article. Only one entry per class. A great way to show knowledge gained in the Dog Skill-a-Thon — for example, a poster of dog breeds or body parts. **Classes will be judged by a static judge on static day at fair.**

#### CLASSES:

- G705010 **Homemade Care Item** (crate, house, grooming table or box, first aid kit, etc.)
- G705020 **Homemade Fabric Item** (bed, clothing, toy, etc.)
- G705030 **Homemade Food or Training Item** (dish, treat container, treat (include recipe), scented articles, etc.)
- G705040 **Homemade or Decorated Collar or Leash**
- G705050 **Homemade Other**
- G705060 **Miscellaneous Educational Exhibit** — maximum size of 2' x 2'. Judged on creativity, presentation, educational value and exhibitor's knowledge of dogs.
- G705070 **Poster** — related to dog project (i.e. favorite breed, care, parts, dog groups). Poster can be 22" x 14" OR 28" x 22" either vertical or horizontal. Poster will be judged on educational content and visual presentation/design.

#### Resources:

##### Dog

Learn basic skills for dog care and training; Explore dog health, nutrition, care, showmanship, and training; Investigate responsible breeding, diseases, dog roles, and careers

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/8](https://4hcurriculum.unl.edu/index.php/main/program_project/8)

## LIVESTOCK

*For General Rules, go to pg. 5-12.*

## BEEF DIVISION

Superintendents – Phillip Kesterson & Justin Corman

#### DIVISION 600 BEEF SHOWMANSHIP

#### CLASSES:

- G600001 **Junior Showmanship** (ages 8-10)
- G600002 **Intermediate Showmanship** (ages 11-13)
- G600003 **Senior Showmanship** (ages 14 and up)
- G600004 **FFA Showmanship**

#### DIVISION 610 MARKET BEEF

#### CLASSES:

- G610001 **4-H Market Steers**
- G610002 **4-H Market Heifers**



●G610003 FFA Market Steers

●G610004 FFA Market Heifers

MINIMUM WEIGHT STEER– 1000 lbs.

MINIMUM WEIGHT HEIFERS– 900 lbs.

**DIVISION 612 BREEDING BEEF (4-H & FFA)**

**CLASSES:**

●G612001 **Cow/Calf Pair** - (Both cow and calf must be shown on halter) Calf can additionally be shown as a Breeding Heifer, Breeding Bull Calf, Stocker Feeder Heifer or Stocker Feeder Steer. Placement in the classes will depend on the sex as well as intention for the calf to become breeding or market animal in the future. If you intend to enter calf in additional class, you MUST designate appropriate class on pre-fair entry form.

●G612002 **Breeding Heifer** - Calf born after January 1 of current year

●G612003 **Yearling Bred Heifer** - born between January 1 and December 31 of previous year. Must be certified with calf by veterinarian within 30 days of fair or it will be dropped one ribbon placing

●G612004 **Breeding Bull Calf** - born after January 1 of current year

**DIVISION 614 BUCKET CALF/STOCKER FEEDER (4-H & FFA)**

**CLASSES:**

●G614001 **Bucket Calf** - born January - May 31 of current year

●G614002 **Stocker Feeder Steer** - (calf born after January 1 of current year intended to be used as a market animal)

●G614003 **Stocker Feeder Heifer** - (calf born after January 1 of current year intended to be used as a market animal)

**DIVISION 616 DAIRY (4-H & FFA)**

**CLASSES:**

●G616001 **Heifer**

●G616002 **Cow**

●G616003 **Showmanship**

**Resources:**

**Beef**

Learn about beef cattle parts; Calculate the cost to raise a market beef animal; Learn how to select project animals; Learn how to care for young beef or dairy animals; Learn what kind of records should be kept for animal projects; Learn about beef cattle parts; Find out how to feed beef animals to achieve a reasonable amount of gain; Learn about beef cattle breeds; Learn how to care for beef animals; Learn to make buying decisions based on performance and visual evaluation

**URL:** <https://4hcurriculum.unl.edu/index.php/main/program/project4>

**Dairy Cattle**

Explore dairy cattle breeds, select calves, and identify parts; Focus on housing, hay quality, milking, and health; Select cattle through records, promote dairy products, and explore careers

**URL:** <https://4hcurriculum.unl.edu/index.php/main/program/project7>

## **SWINE DIVISION**

**Superintendent – Brooks Batt & Zach Nesbitt**

**DIVISION 616 SWINE SHOWMANSHIP**

**CLASSES:**

●G616001 **Junior Showmanship** (ages 8-10 )

●G616002 **Intermediate Showmanship** (11-13 years )

●G616003 Senior Showmanship (14 and up)

●G616004 FFA Showmanship

**DIVISION 617 MARKET SWINE**

**CLASSES:**

●G617001 4-H Market Gilt

●G617002 4-H Market Barrow

●G617003 FFA Market Gilt

●G617004 FFA Market Barrow

**Minimum Weight: 224 Pounds**

**Resources:**

**Swine**

Learn about hog body parts; Calculate the cost to raise pigs; Find out how to care for pigs; Learn about pig breeds; Discover how to market products; Find out how to prevent, diagnose and treat swine health problems

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/19](https://4hcurriculum.unl.edu/index.php/main/program_project/19)

## **DAIRY & MEAT GOAT DIVISION**

**Superintendents - Jaz Henderson & Julie Lacy**

**Rules:**

\* Age – are to have milk teeth and be no evidence of breaking of the skin or eruption of the two permanent front teeth

\* Horns must be blunted. Dehorning is acceptable and preferred. No fresh wounds at the time of the show.

\* Goats are to be shown with either a halter, smooth neck chain, or smooth collar only. Spike collars are not acceptable.

\* Showing & Handling Practice – The use of showing and/or handling practices that may be considered objectionable or abusive, such as striking or slapping goats and exhibiting the goat with its front feet off the ground, are not acceptable. Goats may be braced but will require that all four feet are on the ground. The use of such practices may result in the lowering of a ribbon placing. (Lifting the goat in a fluid motion to set the front legs prior to quickly setting the feet back on the ground is acceptable.)

**DIVISION 618 GOAT SHOWMANSHIP**

**CLASSES:**

●G618001 Junior Showmanship (ages 8-10)

●G618002 Intermediate Showmanship (ages 11-13)

●G618003 Senior Showmanship (ages 14 and up)

●G618004 FFA Showmanship

**DIVISION 620 MARKET GOAT**

**CLASSES:**

●G620001 4-H Market Goat

●G620002 FFA Market Goat

**Minimum Weight: 50 Pounds**

**DIVISION 622 BREEDING GOAT (4-H & FFA)**

Bucks are to be brought to fairgrounds the day of the show and will be shown during the breeding goat show. ALL INTACT MALES ARE TO BE TAKEN HOME AFTER SHOWING THE SAME DAY. They cannot stay on grounds.

**CLASSES:**

●G622001 Yearling Does born between Sept 1, 2022 and August 2023

●G622002 Doe Kids born after Sept 1 of 2023

●G622003 Bucks born after January 1 of current year

## DIVISION 623 DAIRY GOATS (4-H & FFA)

### Rules:

\*Option to stay on grounds all week or come and go on show day (Stall space permitting)

\*All Dairy goats must be shown disbudded

\*If show is scheduled for morning, goats may be milked out immediately following show. If show is in afternoon, goats must be milked out by 8 am and no earlier than 6 am the day of showing.

### CLASSES:

- G623001 Kid - born after January 1 of current year
- G623002 Yearling Dry (Bag must be completely dry)
- G623003 Aged Dry (Bag must be completely dry)
- G623004 Yearling Milking
- G623005 Aged Milking

\*GOAT SHOW RULES - All nannies (market and breeding) and breeding billy goats must be individually identified with USDA Official ID (part of Scrapie's Eradication Program.)

### Resources:

#### Goat

Learn and practice important life skills, such as decision making, record keeping, marketable skills, planning and organizing, and self responsibility; Demonstrate good care taking of the animals, land, and other resources involved; Help to spread knowledge about meat goat products and the meat goat industry; Learn about breeding meat goats; Learn how to care for meat goats; Learn to make buying decisions based on performance and visual evaluation; Learn about goat parts and breeds; Figure the cost to raise goats; Find out how to care for goats

URL: <https://4hcurriculum.unl.edu/index.php/main/program/project/11>

## **SHEEP DIVISION**

**Superintendent – Jon Albro**

### GENERAL SHEEP SHOW RULES:

\*USDA OFFICIAL IDENTIFICATION. All ewes (market and breeding) must be individually identified with USDA Official ID (part of scrapie eradication program). This is in addition to 4-H identification.

## DIVISION 625 SHEEP SHOWMANSHIP

### CLASSES:

- G624001 Junior Showmanship (ages 8-10)
- G624002 Intermediate Showmanship (ages 11-13)
- G624003 Senior Showmanship (ages 14 and up)
- G624004 FFA Showmanship

## DIVISION 626 MARKET LAMB

### CLASSES:

- G626001 4-H Market Lambs
- G626002 FFA Market Lambs

Minimum Weight: 90 Pounds

## DIVISION 628 BREEDING SHEEP (4-H & FFA)

Rams are to be brought to fairgrounds the day of the show and will be shown during the breeding sheep show. ALL INTACT MALES ARE TO BE TAKEN HOME AFTER SHOWING THE SAME DAY. They cannot stay on grounds.

### CLASSES:

- G628001 Aged Ewes - born before Sept. 1st of 2022
- G628002 Yearling Ewes - born between Sept. 1, 2022 & August 2023

- G628003 **Lamb Ewes** - born after Sept. 1 of 2023
- G628004 **Ram Lambs** - born after January 1 of current year

**Resources:**

**Sheep**

Learn about sheep parts and products; Calculate the cost of raising sheep; Find out how to care for sheep; Learn about sheep breeds; Find out how to prevent, diagnose and cure sheep health problems; Set production goals for your flock

**URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/17](https://4hcurriculum.unl.edu/index.php/main/program_project/17)

## **RABBIT DIVISION**

**Superintendent – Stephanie Barker**

**GENERAL RULES -NUMBER OF ENTRIES PER EXHIBITOR**  
- A 4-H member is limited to exhibiting **5 rabbits**.

**DIVISION 630 RABBIT SHOWMANSHIP**

**CLASSES:**

- G630001 **Junior Showmanship** (*ages 8-10* )
- G630002 **Intermediate Showmanship** (*ages 11-13* )
- G630003 **Senior Showmanship** (*ages 14 and up*)
- G630004 **FFA Showmanship**

**DIVISION 632 MARKET RABBIT (4-H & FFA)**

**CLASSES:**

- G632010 **Single Fryer** - 3 ½ to 5 ½ lbs/under 69 days of age
- G632020 **Meat Pen** - 3 ½ to 5 ½ lbs/under 69 days of age
- G632030 **Roaster** - over 5 ½ lbs

**DIVISION 634 RABBIT-FANCY BREEDS (4-H & FFA)**

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

**CLASSES:**

- G634050 **Junior Buck**
- G634051 **Senior Buck**
- G634052 **Junior Doe**
- G634053 **Senior Doe**
- G634054 **Doe/Litter**

**DIVISION 635 RABBIT COMMERCIAL BREED (4-H & FFA)**

American, American Chinchilla, American Fuzzy Lop, Beveren, Californian, Champagne D'Argent, Checkered Giant, Cinnamon, Creme D'Argent, English Lop, Flemish Giant, French Lop, Giant Angora, Giant Chinchilla, New Zealand, Palomino, Satin, Silver Fox.

**CLASSES:**

- G635050 **Junior Buck**
- G635051 **Senior Buck**
- G635052 **Junior Doe**
- G635053 **Senior Doe**
- G635054 **Doe/Litter**

**DIVISION 636 RABBIT COMMERCIAL BREED - NOT LISTED BREEDS (4-H & FFA)**

**CLASSES:**

- G636050 Junior Buck
- G636051 Senior Buck
- G636052 Junior Doe
- G636053 Senior Doe
- G636054 Doe/Litter

Resources:

#### Rabbit

Learn about rabbit breeds; Learn how to care for a rabbit; Learn to tattoo a rabbit; Learn about genetics and rabbit breeding

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/15](https://4hcurriculum.unl.edu/index.php/main/program_project/15)

## POULTRY DIVISION

### Superintendent – TBD

#### POULTRY HEALTH REQUIREMENTS

\*Poultry being sold within the state do not have to originate from a NPIP- participating flock or be tested for pullorum typhoid. Poultry exhibited do not have to originate from a NPIP- participating flock or be tested prior to the exhibition. Some counties will be randomly selected to test birds that do not have documentation stating they were purchased from a NPIP- participating flock.

\*It is highly recommended that you purchase your birds from a NPIP-participating flock, receive documentation from the seller (proof of purchase) and present that to the superintendent at the county fair. Note that the current status for pullorum typhoid may change at any time.

\*If a bird shows symptoms/signs of having a health problem that is a threat to other animals or humans, the superintendent and Livestock Committee reserves the right to ask the bird be removed from the fairgrounds.

#### ENTRY LIMIT/EXHIBITION

\*All entries must have been raised as the club member's project.

\*There is currently no restriction on the number of poultry per exhibitor or per class.

\*Once an exhibitor has withdrawn from a class, he/she will not be allowed to re-enter that class.

\*Exhibitors are required to bring poultry exhibits to/from fair in proper carriers.

\*Animals are to be treated humanely at all times during exhibition at the fair.

#### SHOWMANSHIP GUIDELINES

\*Exhibitors may select any duck or bird exhibit (except geese and turkeys) that they entered in the fair for individual poultry showmanship.

\*In showmanship classes, a 4-H and FFA member can ONLY exhibit an animal that has been officially identified in their name AND that they have entered in the live show. Exhibitors may NOT exhibit another exhibitor's animal (including siblings) in the showmanship competition.

\*No class differentiation will be made because of the type of bird. Individual showmen will use the same showmanship standards. However, there may be some specialize with showmanship techniques to the respective types of birds.

\*Basis for judging — Showmanship is based on grooming and training of the bird and the appearance and behavior of the exhibitor.

\*The exhibitor must vocally explain the steps in their routine and the merit of the bird.

\*Primarily, showmanship is the skill of the exhibitor in presenting and explaining the bird before the judge.

\*The excellence of the bird is not considered in scoring.

\*The judge may or may not ask questions of the exhibitor at the close of the routine.

#### **DIVISION 638 POULTRY SHOWMANSHIP**

##### **CLASSES:**

- G638001 Junior Showmanship** (*ages 8-10*)
- G638002 Intermediate Showmanship** (*ages 11-13*)
- G638003 Senior Showmanship** (*ages 14-18*)
- G638004 FFA Showmanship**

#### **DIVISION 639 LARGE FOUL (4-H & FFA)**

The exhibit (cockerel, cock, pullet, or hen) must be a fair representative of their breed according to the Standard of Perfection.

Breeds that fall into this category include:

- \*American (Plymouth Rock, Jersey Giant, Wyandotte, New Hampshire Red, Rhode Island Red)
- \*Asiatic (Cochin, Brahas, Langshan)
- \*English (Cornish, Orpington, Australorps, Sussex, Dorkings)
- \*Mediterranean (Leghorn, Buttercup, Minorca)
- \*Continental (Polish, Hamburg, Campines, Faverolles, Houdan)
- \*All other breeds (Naked Neck, Game, Sumatra, Araucanas, Ameraucanas).

##### **CLASSES:**

- G639020 Single Cockerel** (at least six weeks old / male bird hatched during the current year)
- G639021 Single Pullet** (at least six weeks old / female bird hatched during the current year)
- G639022 Single Cock** (male bird hatched prior to current year)
- G639023 Single Hen** (female bird hatched prior to current year)
- G639024 Trio** (consists of three birds - one male and two females not shown as individual entries)

\*A trio of exhibition birds shall consist of one male and two females. All three birds must be of the same breed and conform to the Standard of Perfection. Trio classes are for breeding stock birds. Hybrids, crossbred, or other meat and egg production birds belong in the pen entry. Birds entered in a trio are eligible to be judged in individual competition.

#### **DIVISION 640 BANTAM (4-H & FFA)**

The exhibit (cockerel, cock, pullet, or hen) must be a fair representative of their breed according to the Standard of Perfection.

Breeds that fall into this category include:

- \*Game Class (Modern, Old English)
- \*Single Comb Clean Legged (Plymouth Rock, Leghorn, Japanese, Rhode Island Red, Orpingtons, New Hampshire)
- \*Rose Comb Clean Legged (Rosecomb, Wyandotte, Sebright, Belgian Bearded D'Anver)
- \*Feather Legged (Silkie, Cochin, Brahma, Belgian Bearded D'Uccle, Langshan)
- \*Other Comb Clean Legged (Polish, Cornish, Houdan, Sumatra)

##### **CLASSES:**

- G640020 Single Cockerel** (male bird hatched during the current year)
- G640021 Single Pullet** (female bird hatched during the current year)
- G640022 Single Cock** (male bird hatched prior to current year)
- G640023 Single Hen** (female bird hatched prior to current year)

●**G640024 Trio** (consists of three birds - one male and two females not shown as individual entries)

\*A trio of exhibition birds shall consist of one male and two females. All three birds must be of the same breed and conform to the Standard of Perfection. Trio classes are for breeding stock birds. Hybrids, crossbred, or other meat and egg production birds belong in the pen entry. Birds entered in a trio are eligible to be judged in individual competition.

#### **DIVISION 641 DUCK (4-H & FFA)**

The exhibit (young drake, young hen, old drake, and old hen) must be a fair representative of their breed according to the Standard of Perfection.

All weights and breeds of ducks are acceptable.

##### **CLASSES:**

●**G641020 Young Drake** (male bird hatched during current year)

●**G641021 Young Hen** (female bird hatched during current year)

●**G641022 Old Drake** (male bird hatched prior to current year)

●**G641023 Old Hen** (female bird hatched prior to current year)

#### **DIVISION 642 GOOSE (4-H & FFA)**

##### **CLASSES:**

●**G642020 Young Gander** (male bird hatched during the current year)

●**G642021 Young Goose** (female bird hatched during the current year)

●**G642022 Old Gander** (male bird hatched prior to the current year)

●**G642023 Old Goose** (female bird hatched prior to the current year)

#### **DIVISION 643 TURKEY (4-H & FFA)**

##### **CLASSES:**

●**G643020 Tom**

●**G643021 Hen**

#### **DIVISION 644 EGG PRODUCTION**

##### **CLASSES:**

●**G644020 Pen of Egg Production** (three female birds - must be currently laying eggs)

●**G644021 Single Egg Production** (one female bird from the egg production pen may be shown as an individual exhibit—must be currently laying eggs)

●**G644022 One Dozen Eggs Class** - Check-in will be an hour prior to the start of the show.

\*1 dozen eggs judged on quality and consistency

\*Eggs can be of any color (white, brown, other)

\*Eggs will be destroyed immediately after show)

##### **Resources:**

###### **Poultry**

Find out how to care for poultry; Select breeding pens; Learn to process a chicken; Learn about poultry breeds

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/14](https://4hcurriculum.unl.edu/index.php/main/program_project/14)

# HORSE

## 4-H ONLY

Superintendent– Heather Daniels  
Buckle will go to All-Around High Point  
Exhibitor in each Age Division

ALL PARTICIPANTS OF THE MORRILL COUNTY HORSE SHOW WILL BE REQUIRED TO SUCCESSFULLY PASS LEVEL 1 HORSE CERTIFICATION IN ORDER TO PARTICIPATE IN ANY EVENTS AT THE FAIR.

\*Check in for horses will begin 30-60 minutes prior to start of horse show\*

### DIVISION 646 SHOWMANSHIP

#### CLASSES:

- G646001 Junior Showmanship (ages 8-10)
- G646002 Intermediate Showmanship (ages 11 -13)
- G646003 Senior Showmanship (ages 14 and up)

### DIVISION 090 HALTER

#### CLASSES:

#### MARES

- G090001 Weanlings
- G090002 Yearlings
- G090003 2-year-olds
- G090004 3-5 year-olds
- G090005 6-12 year-olds
- G090012 13 and older

#### GELDINGS

- G090006 Weanlings
- G090007 Yearlings
- G090008 2-year-olds
- G090009 3-5 year-olds
- G090010 6-12 year-olds
- G090013 13 and older

#### PONIES

- G090011 All Ages and sexes

### DIVISION 647 RANCH PLEASURE

#### CLASSES:

- G647001 Junior Pleasure (ages 8-10)
- G647002 Intermediate Pleasure (ages 11-13)
- G647003 Senior Pleasure (14 and up)

### DIVISION 649 HORSEMANSHIP

#### CLASSES:

- G649001 Junior Horsemanship (ages 8-10)
- G649002 Intermediate Horsemanship (ages 11-13)
- G649003 Senior Horsemanship (ages 14 and up)

### DIVISION 650 REINING

#### CLASSES:

- G650001 Junior Reining (ages 8-10)
- G650002 Intermediate Reining (ages 11-13)
- G650003 Senior Reining (ages 14 and up)



## DIVISION 651 TRAIL

### CLASSES:

- G651001 **Junior Trail** (ages 8-10)
- G651002 **Intermediate Trail** (ages 11-13)
- G651003 **Senior Trail** (ages 14 and up)

## DIVISION 652 RANCH RIDING

### CLASSES:

- G652001 **Junior Ranch Riding** (ages 8-10)
- G652002 **Intermediate Ranch Riding** (ages 11-13)
- G652003 **Senior Ranch Riding** (ages 14 and up)

## DIVISION 653 WORKING RANCH HORSE (MUST SIGN NOTICE OF RESPONSIBILITY BY JUNE 1ST)

### CLASSES:

- G653001 **Junior Working Ranch Horse** (ages 8-10)
- G653002 **Intermediate Working Ranch Horse** (ages 11-13)
- G653003 **Senior Working Ranch Horse** (ages 14 and up)

## DIVISION 654 POLE BENDING

### CLASSES:

- G654001 **Junior Pole Bending** (ages 8-10)
- G654002 **Intermediate Pole Bending** (ages 11-13)
- G654003 **Senior Pole Bending** (ages 14 and up)

## DIVISION 655 BARREL RACING

### CLASSES:

- G655001 **Junior Barrel Racing** (ages 8-10)
- G655002 **Intermediate Barrel Racing** (age 11-13)
- G655003 **Senior Barrel Racing** (age 14 and up)

## DIVISION 656 KEYHOLE

### CLASSES:

- G656001 **Junior Keyhole** (ages 8-10)
- G656002 **Intermediate Keyhole** (ages 11-13)
- G656003 **Senior Keyhole** (ages 14 and up)

### Resources:

#### Horse

Discover the basics of horse behavior, breeds, and safety; Learn about acquiring, selecting, and raising a horse; Build a Financial Plan; Learn basic riding and horsemanship skills; Explore leadership and ethics

URL: [https://4hcurriculum.unl.edu/index.php/main/program\\_project/13](https://4hcurriculum.unl.edu/index.php/main/program_project/13)

# **ROUND ROBIN** **COUNTY ONLY**

## **Round Robin Rules & Procedures**

1. Species participating in Large Animal Round Robin are horse, beef, sheep, goat, and swine. Species participating in Small Animal Round Robin are dog, poultry, rabbit, and companion animal.
2. Showmanship classes will be split based upon the following classes for beef, sheep, goat, swine, rabbit, and poultry: FFA (must be dues paying member), Senior (14-18), Intermediate (11-13), and Junior (8-10) and will be shown in that order. Showmanship classes will be split based upon the following classes for dog, companion animal, and horse: Senior (14-18), Intermediate (11-13), and Junior (8-10) and will be shown in that order.
3. The winner from each of the above classes will be declared and brought in to compete for the overall species champion in both large and small animal.
4. If youth has won overall showman in multiple species in the same year, they must choose one species to represent.
5. The judge will rank all showman in case they are needed.
  - \*If the 1st place overall showmanship winner has won Round Robin in the past or is choosing to represent a different species in the final drive, the 2nd place showman will be eligible to compete in the final drive. If the 2nd place falls into the same situation as winning or representing a different species, the 3rd place showman is eligible. This may continue until all three or four showman (depending on the species) have been exhausted. If no showman is eligible, the 1st place overall winner will provide the animal and necessary equipment so the species is present, there will just not be a youth representative in that species.
6. During the final drive:
  - \*The selected participant will be responsible for providing the animal that they completed with in their selected species and necessary showing equipment.
  - \*Each participant will show each of the species in front of a specified judge as well as answer specie-specific questions.
  - \*Scores will be added together to find an overall showman.
  - \*In case of a tie, Extension staff will provide a question in which tied youth will present a short response in front of the crowd. The same judges used during the final drive will use the provided rubric to evaluate the speech.
7. Additional awards or ribbons are not given for being the top showman of your species. However, the overall champion has the option of either selecting a buckle or one of the other award choices offered that year.



# Schedule of Events

## Tuesday, July 16th

Time TBD Construction Judging/Fashion Revue

## Saturday, July 20th

Time TBD Shooting Sports Competition

## Sunday, July 21st

7:00AM 4-H Horse Show (New Arena)

## Monday, July 22nd

8:00AM Static Exhibit Judging & 4-H/FFA Display  
(closed to public)

## Tuesday, July 23rd

7:00-8:00AM Swine Weigh-In (exhibitor meeting to follow)  
9:00AM Dog Show (Small Arena)  
4:00-6:00PM Beef Weigh-In (exhibitor meeting to follow)  
6:00-8:00PM Goat/Sheep Weigh-In (exhibitor meeting to follow)

## Wednesday, July 24th

8:00AM Swine Show  
Sheep Show to Follow  
Goat Show to Follow  
1:00-1:30PM Rabbit Check-In (exhibitor meeting to follow)  
3:00PM Livestock Skill-A-Thon

## Thursday, July 25th

8:00AM Beef Show  
Large Animal Round Robin to Follow  
3:00-4:00PM Poultry Check-In (exhibitor meeting to follow)  
6:00PM FFA Farm to Town Relay

## Friday, July 26th

9:00AM Rabbit Show (Open Class to Follow)  
Poultry Show (Open Class to Follow) to Follow  
Companion Animal Show to Follow  
Small Animal Round Robin to Follow  
5:00PM Community Night (Serving Starts)  
5:30PM 4-H & FFA Presentations:  
Public Fashion Show  
Senior/Clover Kid Recognition  
Scholarship Winners  
Parade of Champions  
6:30PM Livestock Sale

## Saturday, July 27th

9:00-10:00AM Static Check out in Exhibit Hall  
8:00-12:00PM All Livestock will be Dismissed & Stalls  
Must be Cleaned by Noon  
Buy-Back Truck scheduling will be announced.