

Index

Click on the area you want, and the link will take you to that area in the fairbook

General

4-H Code of Ethics
General Rules & Regulations
Grievance Policy
Pre-Fair Entry Deadline

Citizenship & Civic Education

Citizen
Heritage – Level
Heritage – Level 2

Clover Kids

Communications & Expressive Arts

Photography Unit I
Photography Unit II
Photography Unit III

Consumer & Family Science

Clothing
 General Clothing
 Beyond the Needle
 Steam Clothing 1
 Steam Clothing 2
 Steam Clothing 3
Crochet
Design Decision
Design My Place
Heirloom Treasurers/Family Keepsakes
Fashion Show
Fashion Show-Shopping in Style
Human Development
Knitting
My Financial Future
Visual Art Mediums
Quilt Quest
Shopping in Style
Visual Art Themes
You Design It

Environmental & Earth Science

Entomology
Forestry
Harvesting Equipment
Other Natural Resources
Outdoor Adventures Level 2

Outdoor Adventures Level 3

Range Management
Shooting Sports Exhibits
Shooting Sports Contest
Taxidermy
Wildlife Habitat
Wildlife & How They Live

Hitchcock Animals

Beef
Companion Animal
Dog
Goat
Hog
Horse
Livestock/Small Animal Rules
Livestock Herdsmanship
Livestock Sale
Poultry
Rabbit
Sheep

Healthy Lifestyle Education

Cakes, Cakes, Cakes
Cake Decorating
Cooking 101
Cooking 201
Cooking 301
Cooking 401
Fire Safety
General Foods
Food Preservation
 Unit 1 – Freezing
 Unit 2 – Drying
 Unit 3 – Boiling Water Canning
 Unit 4 – Pressure Canning

Miscellaneous Projects

Club Exhibit
Great Failures
Lifetime Sports
Miscellaneous Projects
Posters

Personal Development & Leadership

Entrepreneurship Investigation

Plants

Field Crops
Floriculture
Horticulture
Special Agronomy Project
Special Garden Project
Weed Science

Science & Technology

Computers
Electricity
Energy
Geospatial
Robotics
Rockets/Drones
Veterinary Science
Welding
Woodworking

4-H GENERAL RULES AND GUIDELINES

- A. **General Rules** - All Hitchcock County Fair General Rules also apply to 4-H unless otherwise noted. It is the responsibility of each exhibitor and parent/guardian to be familiar with all applicable rules and regulations.
- B. **Interpretation of Rules** - The Hitchcock County 4-H Council reserves to itself the final and absolute right to interpret, amend or add to these rules and regulations as its judgment may determine, and to settle and determine all matters, questions and differences in regard hereto or otherwise arising out of, connected with, or incident to the fair.
- C. **Violation** - All exhibitors are bound by the most current editions of the Hitchcock County Fair Rules and Regulations set forth by the Hitchcock County 4-H Council. Any violation of these Rules and Regulations will be subject to disqualification of project; forfeiture of all awards including ribbons, trophies, premiums, booster, incentives; penalties prescribed by law; and/or the exhibitor banned from future participation until such time a reinstatement is made by the 4-H Council. Penalties apply only to project area(s) involved in the incident.
- D. **Disputes & Ruling Of Decisions & Formal Protests** - If any issue arises during the Hitchcock County Fair the 4-H Council President, Class Superintendent(s) and the Extension Staff will rule a decision. Formal Protests must be submitted in writing to the Extension Staff and follow the Hitchcock County Grievance Policy.
- E. **Substance Abuse** - Use or possession of tobacco, alcoholic beverages or drugs (except for medical purposes) by any exhibitor who is participating in 4-H at the Hitchcock County Fair will result in immediate disqualification of that exhibitor's entry.
- F. **Courtesy & Cooperation** - All exhibitors and families are expected to extend courtesy to other exhibitors and their projects. Any questions that may arise should be referred to the Superintendent of your division.
- G. **Open Class** - Entries may be made in the Open Class Divisions by any Hitchcock County resident and residents in the townships bordering Hitchcock County. Others wishing to exhibit must have permission from the Fair Board. Any animals shown in the 4-H classes will not be eligible for open class competition with the exception of animals shown by youth under 4-H age (8 years old as of January 1st of the current year).
- H. **What Does 4-H Enrollment Mean** - Youth are enrolled when they are on the membership records in the Hitchcock County Extension office by June 1st of current year. Nebraska Extension will recognize 4-H members and volunteer leaders of the county in which they are enrolled in 4-H irrespective of their place of residence. A member cannot enroll in the same 4-H project area in more than one county or state in the same year. Example: beef (bucket calf, feeder calf, market beef and breeding beef are among those listed with the beef project area), clothing, horse, foods, etc. Regulations not covered in the County Fair 4-H rules will be governed according to State 4-H Rules.
- I. **County Fair Pre-Entry Deadlines** - All entries must have been made/completed since the last county fair. Exhibits can be exhibited only in classes listed in the 4-H Fairbook. Those exhibits incorrectly entered or identified will become ineligible, however, they may be moved to Open Class. Entries must be entered according to the 4-H fairbook and pre-entered online by June 28 and must be accompanied by all fees (if applicable) or entry will not be accepted. To be eligible to compete at the Hitchcock County Fair, all enrollment and entry deadlines must have been met.

900 Numbered Classes Are County Only: They are NOT eligible for State Fair.

Exhibitors may enter two different entries per class. The exhibits MUST be different & not from the same pattern, recipe or cultivar. Each exhibit must be entered into ShoWorks separately. If entering 2 exhibits, there are 2 entries in ShoWorks.

- J. **Age Divisions** –Divisions require a minimum of 2 youth in each Division to have three Divisions (Junior, Intermediate & Senior). If the 2 youth minimum is not met there will be 2 divisions (Junior, Senior). There will always be at minimum a Junior and Senior Division.

If requirement of 2 youth in each of 3 Divisions is met the Divisions would be as follows:

Junior 8-11 as of January 1 of current year

Intermediate 12-14 as of January 1 of current year

Senior 15-18 as of January 1 of current year

If there is not enough youth to have 2 youth in each of 3 divisions there will be 2 divisions as follows:

Junior 8-11 as of January 1 of current year

Senior 12-18 as of January 1 of current year

Age Divisions in Shooting Sports that require Hunter Safety Education will be:

Intermediate: 11-14 as of January 1 of current year

Senior 15-18 as of January 1 of current year

- K. **Eligibility Of Exhibitors** - Only those youth enrolled in 4-H in Hitchcock County are eligible to exhibit in the county fair 4-H areas. To participate youth, must be enrolled no later than June 1, of the current year and in the project area they are exhibiting in. 4-H enrollment must be done annually.

State Fair - in classes where presence of the 4-H'er is required for judging purposes such as animal exhibits, judging contests, presentations and fashion show; a 4-H member must be 8 by January 1 of previous year, or become 9 years of age in the current year. The last year of eligibility is the calendar year the member becomes 19. State Fair on-line entries for the in-person contests is August 10 and must be entered by the exhibitor themselves. Contact the Extension Office for more details or refer to 4-H Newsletters.

State Fair classes where the presence of the 4-H'er is NOT required; a 4-H member must be 8 by January 1 of previous year, or become 9 years of age in the current year. The last year of eligibility is the calendar year the member becomes 19. Exhibits that have the entry tag marked for state fair, are eligible to go on to State Fair and will receive a special letter at exhibit release during county fair. All exhibit hall items selected for State Fair must be of purple ribbon quality. Having a purple ribbon does not automatically qualify an exhibit for the State Fair.

- L. **4-H Exhibits** - Training offered by agricultural education/FFA and Nebraska Extension/4-H contributes to youth's preparation for a future in agricultural production, agribusiness, and other areas. Simultaneous participation in both programs is acceptable and encouraged, if the youth choose to do so. However, there will not be duplication of project animals or other production units. For purposes of exhibition, this means an animal can only be nominated and shown in one organization or the other, not both at the county fair level. Participants enrolling in the same project or enterprise in both organizations is permissible. Any animal shown as an FFA exhibit is ineligible for the show as a 4-H exhibit by any exhibitor and vice versa at any county fair. An animal can be nominated for show in either 4-H or FFA, but not both at a county fair.

- K. **Static Exhibit Displays** - Large static exhibits made for outdoors (i.e. lawn & garden furniture & trailers, animal feeding structures, picnic tables, barn quilts) may be displayed outdoors at the discretion of 4-H staff and/or area superintendents, if additional display space is needed inside the exhibit hall.

- M. **Ribbons And Premiums Awarded** - The Danish system of awarding prizes will be used throughout the 4-H Divisions. Clover Kids will receive a participation ribbon. Awards will be divided into groups of merit. Purple (P) ribbons designate an exhibit of superior quality that has met and exceeded all of the standards. Blue (B) ribbons denote an above average exhibit that has met almost all of the standards in a way that surpasses the norm. Red (R) ribbons indicate average quality and indicate

that the exhibit has met the majority of standards in such a way that the benchmark was reached, but not exceeded. White (W) ribbons indicate that the exhibit has not met the majority of the standards.

All exhibits in a given class will be awarded ribbons based on quality of the exhibit regardless of the number of entries. This does not necessarily mean that each exhibit will receive an award.

Exhibits MUST be of purple quality to be named Champion and to qualify for related special awards. Likewise static exhibits must have a purple ribbon to be eligible for State Fair selection based on State Fair classes and quotas.

Awards are not available in every Department, Division or Class. All premium money listed is the maximum premium that may be awarded. All premiums are to be paid only to the owner of the exhibit. SHOULD FUNDS NOT PERMIT, A PERCENTAGE MAY BE PAID. You must complete your 4-H Career Portfolio and turn into the Extension Office by September 15 of current year to receive booster and incentive money and to have completed your 4-H project year.

4-H/FFA Exhibit Premiums: Purple \$5.00 – Blue \$3.00 – Red - \$2.00 – White \$1.00

Open Class Premiums: Blue \$1.50 – Red \$1.00 – White \$.75

All premium checks must be cashed by December 15 of the current year.

- N. **Judges/Judging** - If any exhibitor interferes with the judges in the performance of their duties by letter, act or otherwise he/she shall be excused from competition and exhibition for such period of time as the 4-H Council may determine and may forfeit any awards received at this fair. Any person, not an exhibitor, who interferes with the judges in any manner during the performance of their duties, shall be asked to leave the fairgrounds.
- O. **Dress Code** - 4-H exhibitors must wear the official 4-H shirt sold at the Extension Office or a white sleeved shirt (or blouse) with the 4-H chevron and long dark colored jeans when person or project is being judged. With the exception of Public Speaking, Presentations, Horse and Fashion Show. If a chevron is worn, it is to be placed only on the upper left side of the shirt front. No hats, caps, or other types of headgear are to be worn (with the exception of horse show and shooting sports). Hard soled boots or shoes are suggested for livestock exhibitors for safety purposes. While hard soled shoes are not required for the cat, dog and small pet shows, exhibitors are required to wear closed toed shoes with non-slip soles. Shooting sports exhibitors in any gun disciplines are also required to wear safety glasses or protective eye wear and closed toed shoes with non-slip soles. **Horse exhibitors will follow dress code outlined in the Nebraska Horse Show and Judging Guide 4-H373 except for armbands are optional.** Failure to follow dress code will result in dropping of one ribbon placing.
- P. **Exhibits Released** - All animals and articles must remain on fairgrounds in respective buildings during the fair unless permission from a group consisting of the superintendent of the department, 4-H Council and Extension Staff have allowed early release. Removal of any exhibit prior to official release time may result in forfeit of premiums and booster bonus money.

All livestock and exhibit hall 4-H exhibits will be released on Saturday from 7:00 – 8:00 p.m. No livestock is to be loaded out before that time. All livestock pens and stalls must be fully cleaned no later than Sunday at 10:00 a.m. All exhibitors are responsible for cleaning in exhibit hall and cleaning stalls/pens in the livestock barns. Failure to clean pens will result in a penalty. Failure to participate in the Hitchcock County Fair pre & post fair clean up may result in loss of premiums, booster, incentive monies.

- Q. **Disclaimer Of Responsibility** - 4-H exhibits at the Hitchcock County Fair are entered and displayed at the risk of the 4-H member. The Hitchcock County 4-H Council, in cooperation with the Hitchcock County Fairboard and the Nebraska Extension in Hitchcock County accepts exhibits and will exercise due care to protect them. However, they cannot accept responsibility for loss or damage due to the conditions imposed by large crowds or the arrangement of the buildings in which displays are housed. 4-H'ers who have exhibits of great sentimental and/or monetary value should carefully consider whether such exhibits should be exposed to the hazards of the fair. While the greatest possible care will be exercised by the management to protect patrons of the County Fair, each individual will be held personally responsible for any injury.

Nebraska State Fair exhibits are entered and displayed at the risk of the 4-H member. Nebraska Extension 4-H Youth Development, in cooperation with the Nebraska State Fair Board accepts exhibits and will exercise due care to protect them. However, 4-H and the State Fair Board cannot accept responsibility for loss or damage due to the conditions imposed by large crowds or the arrangement of the buildings in which displays are housed. 4-H'ers who have exhibits of great sentimental and/or monetary value should carefully consider whether such exhibits should be exposed to the hazards of the fair.

Large exhibits requiring two or more people to move will be the responsibility of the exhibitor to transport to and from State Fair. Some items may be deemed too large to exhibit at State Fair per State Fair guidelines.

- R. **Copyrighted Materials/Use Of 4-H Emblem** - Copyrighted materials are prohibited from being used on 4-H exhibits. When using the official 4-H Emblem, it must follow approved guidelines, which can be viewed at <https://4h.unl.edu/name-emblem-guidelines>.

Grievance Policy

The respective superintendent has the authority to make appropriate decisions based on the Hitchcock County 4-H Fairbook. When needed, a committee shall be appointed to serve as a protest review group. The protest committee will meet when needed to act upon concerns. The protest committee will consist of members of the Hitchcock County 4-H Council, Extension Educator (s) and the respective superintendent involved in the situation as an ex-officio member. The decisions will be formulated using county and state policy and national directives as formulated by this policy or as dictated by law. All protests must be submitted in writing and signed by the protester. All protests must be submitted in writing and handed to a Hitchcock County 4-H Council Member.

To submit a protest the procedures listed below must be followed:

1. Nature of concern(s)
 2. Names of persons involved
 3. Situation and documentation
 4. Specific action, rule, etc., in question
 5. Recommendations for correction
 6. Additional persons who may be contacted for further clarification
 7. Procedures and/or steps carried out by the person involved prior to submission of the protest to the Protest committee.
- The protest committee will review the written protest and respond in a timely manner. They may call for a face to face meeting with affect persons or event leadership to discuss the situation and the official ruling.
 - Recommendations will be developed, followed, and communicated both verbally and in writing to the group or individual affected.
 - In cases of protest, the exhibitor/parent/leader may be allowed to compete. Results of the competition will be subject to change based on the outcome of the protest process. This allows for smooth operation of the show and facilitates appropriate processing.
 - The 4-H Council reserves the right to withhold any award. The exhibitor/parent/leader may be excluded from the show if action warrants.
 - Protests will not be accepted after the exhibit or event/activity is completed/released.
 - Protests related to judges' integrity, decisions, placings, or other evaluations will not be accepted.

4-H Code of Ethics

The primary goal of the 4-H Program is to help youth develop competency in their projects, confidence in themselves and others, connections to their community and sound character. Actions by persons (Parents, and 4-Her's) involved with the 4-H Program will be consistent with the six core ethical values comprising good character: trustworthiness, respect, responsibility, caring, fairness and citizenship. As a 4-H Participant/Parent/Guardian I will:

- Treat all people and property with respect, courtesy, consideration and compassion. Avoid and prevent put-downs, insults, name calling, swearing and other language or nonverbal conduct likely to offend, hurt or set a bad example.
- Keep informed about 4-H program policies and projects and read materials pertaining to the county 4-H program.
- Teach and model kindness and compassion for others. Recognize that all people have skills and talents which can be used to help others and improve the community. Teach and foster teamwork and discourage selfishness.
- Practice fair-mindedness by being open to ideas, suggestions and opinions of others. I will make all reasonable efforts to assure equal access to participation for all youth and adults regardless of race, creed, color, sex, national origin or disability. Decisions will be made fairly and treat all individuals and families with impartiality.
- Obey laws and rules as an obligation of being a good citizen. I accept responsibility for the proper treatment and care for other youth and adults, the program facilities and/or equipment.
- Demonstrate the responsible treatment of animals and stewardship of the environment.
- Not use alcohol or illegal substances (or be under the influence) while working with or participating in any part of the 4-H Program.
- Provide a safe environment for all parties involved in 4-H. I will protect those involved from sexual harassment, physical force, verbal or mental abuse, neglect, or other harmful behaviors.

Youth Participant/Parent/Guardians who do not abide by the above code of conduct, will be subject to the following consequences:

1. Be asked to explain actions to the 4-H Educator.
2. Be dismissed from an event at own expense.
3. Further disciplinary action determined in cooperation with the local Extension Educator, the District 4-H Coordinator, the State 4-H Program Administrator and as warranted, the Dean of Nebraska Extension and IANR Administration. Disciplinary action may include:
 - a. becoming ineligible to participate in specific 4-H activities,
 - b. becoming ineligible to participate in the Nebraska 4-H Program.
4. Reimburse the proper entity for any property damage or for liability resulting from inappropriate actions. In the case of vandalism, guilty party may be required to reimburse 4-H and/or the facility.
5. Multiple violations of the code of conduct may result in:
 - a. suspension for a period of time
 - b. becoming ineligible for 4-H participation in their county.
6. Parent/Guardian violation may also result in:
 - a. restriction from contacting 4-H families, volunteers, donors, and/or sponsors pertaining to any 4-H matter.

Clover Kids

Clover Kids (Pre-4-H) Rules and Regulations

General Rules

- A. The **Purpose of the Clover Kids** program is to promote positive development of youth to become competent, caring, contributing citizens. The learning experience is the primary reason for involvement in the program.
- B. The **Clover Kids 4-H Program** is a non-competitive program designed for youth ages 5 to 7 years (January 1 of the current year.) All Clover Kids activities will be non-competitive with Clover Kids receiving Rainbow Ribbons for participation at the Pre-Fair and County Fair activities.

- C. **Enrollment** - Clover Kids must be enrolled by June 15.
- D. **Pre-Entry** - All animals must be properly identified, using the appropriate Animal ID Sheet by **June 1**. All exhibits must be pre-entered online **June 23, 2023**.
- E. **Entry and Interviews** - Clover Kids may exhibit two (2) entries per class. Entries must be different, for example, they may bring two cookie entries from different recipes. Entries/exhibits will be entered at the county fair with all other exhibits. Clover Kids will have the opportunity to talk with a judge about their projects.
- F. **Recognition** - Clover Kids will receive Participation (Rainbow) ribbons. This is a non-competitive program.
- G. **Clover Kids and Animal Projects** - 4-H Clover Kids Program involving live animals must adhere to the following:
 - a. Exhibitors showing will be 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. Adults are reminded to consider safety at all times when asking a child of this developmental level to handle animals. According to State 4-H Policy, the suggested maximum age for large animals is 6 months and a weight limit of 350 pounds. Clover Kids **CAN NOT** participate in Horse, Market Beef or Breeding Heifer Projects.
 - b. When showing there must be one adult or Jr. Leader for two Clover Kids.
 - c. Clover Kids need to be able to answer questions based on the raising and care of their animal.
 - d. Clover Kids do not need to attend Quality Assurance Training.
- H. **Livestock Sale or Booster Bonus** – Pre-4-H livestock will not be eligible for any extra incentives in the form of a Livestock Sale or Booster Bonus Program.
- I. **Clover kids may exhibit another 4-H'ers** (non clover kid) animal following the clover kid livestock guidelines.

Aerospace

CLASS

P900901 - **Rocket Drawing** - On 8^{1/2}" x 11" paper draw a rocket. Label the three main parts.

P900902 - **Bird Drawing** - On 8^{1/2}" x 11" paper draw your favorite bird.

P900903 - **Plane Drawing** - On 8^{1/2}" x 11" paper draw your favorite plane.

P900904 - **Paper Flyers** - Make your favorite kind of paper flyer. This can be an airplane, helicopter, rocket or any other flying machine.

P900905 - **Marshmallow Rocket** – Rocket exhibit made with marshmallows and toothpicks, with parts of rocket labeled.

P900906 - **Other** - any exhibit relating to **Aerospace**

Bicycle Adventures

CLASS

P901901 - **Bicycle Helmet Story** - On 8^{1/2}" x 11" paper tell why bicycle helmets are important. No more than 2 paragraphs. Can include a picture they colored or a photograph.

P901902 - **Hand Signals Poster** - On 8^{1/2}" x 11" paper draw and label the three hand signals.

P901903 - **Safe Riding Poster** - On 8^{1/2}" x 11" paper draw three safe riding practices.

P901904 - **Other** – any exhibit relating to **Bicycle Adventures**

A Space For Me

CLASS

P902901 - **Treasure Board or Bulletin Board**

P902902 - **Decorative Storage Box or Container** – decorate a storage box or container to save space or use space wisely.

P902903 - **Recycle a Vintage Suitcase or Trunk** – recreate a vintage item to create storage for your room

P902904 - **Non Sew Pillow or Blanket**

P902905 - **Coat Hooks or Hangers**

P902906 - **Decorated Laundry Bag or Hamper**

- P902907** - Energy Saving Sign
P902908 - Draft Stopper
P902909 - Recycling Box - create an item for recycling items around the home. Example – recycling newspapers, pop cans, plastics
P902910 - Paint a Container – paint a container to decorate your room
P902911 - Swirl Painting Magnet
P902912 - Pizza Color Wheel
P902913 - Sponge Paint a Picture
P902914 - Decorate a Picture Frame
P902915 - Scratch Art
P902916 - Neutrals and Colors - Using neutral colors and adding a pop of color for a decorative item in their Space
P902917 - Plastic Canvas Wall Hanging
P902918 - Other

Beyond the Needle & Sewing

CLASS

- P903901** – Garment – decorate or sew a garment.
P903902 –Accessory – decorate or sew an accessory or other item.
P903903 – Fashion Show
P903904 – Other

Exploring Farm Animals

CLASS

- P904901** - Critter Drawing - On 8^{1/2}" x 11" paper draw an animal and identify its body parts.
P904902 - Animal Story - A handwritten story telling how you care for an animal. No more than 3 photographs or 3 paragraphs. Please display in a notebook/binder.
P904903 - Animal Sculpture - Make a sculpture of your favorite animal using any type of modeling medium, i.e. clay, play dough, bread dough clay, etc.
P904904 - Other – Any exhibit relating to Exploring Farm Animals

Family Celebrations From Around the World

CLASS

- P906901** - Name Rhyme - On 8^{1/2}" x 11" paper hand write a rhyme answering: What does my given name mean? See page 5 of leader's manual.
P906902 - Mexican Piñata - Instructions found on page 8 of leader's manual. Exhibit without candy and attach to a clothes hanger.
P906903 - Japanese Hat - Instructions found on page 12 of the leader's manual.
P906904 - Ohina Dolls - Instructions found on page 11 and 14 of the leader's manual.
P906905 - Carp Kite - Instruction found on page 15 of the leader's manual.
P906906 - Mother's Day/Father's Day/Grandparent's Day Mini Poster - Using half a sheet of poster board (11" x 14") design a mini poster about your mom, dad, grandfather or grandmother and you. A story, poem or pictures may be used.
P906907 - May Basket - Make a May Basket you could give to a special friend.
P906908 - 4th of July - On 8^{1/2}" x 11" paper make the U.S. flag using medium of choice.
P906909 - Family Tree – Draw a family tree, showing your relatives.
P906910 - Other – any exhibit relating to Family Celebrations From Around the World

Just Outside the Door

CLASS

- P907901** - Bird Feeder/waterer - Any homemade bird feeder using recycled products.
P907902 - Water Picture - On 8^{1/2}" x 11" paper show what you have discovered about water (any medium).
P907903 - Growing Seed - A growing seed you have planted. Can be planted in any small container.
P907904 - Insect Life Mobile

P907905 - Insect Model - Create your very own insect using any kind of non-edible media and include all the parts of an insect: 6 legs, one pair of antenna and three body sections.

P907906 - Seed Medallion - Use a 4" circle of cardboard and any kind of seeds to make a medallion. Use string, yarn or any other material to make a loop.

P907907 - Sailboats - Using any type of medium create a small sailboat that can really float!

P907908 - Treasure Hunt Collage – Make a collage of items you collected outdoors on an 11" x 14" poster board.

P907909 - Other – any exhibit relating to Just Outside the Door

Making Foods for Me

CLASS

P908901 – Making Food For Me Placemat – Create a placemat may be colored and decorated. It is advised to have the placemat laminated or protected with clear contact paper.

P908902 – Foods Cards – Create food cards using pictures of foods. Place food cards in self-sealing plastic bag or other secure container. (pages 67-69 leaders guide)

P908903 – Grain Collage – Create a collage using neatly cut and pasted pictures of grains. (page 40 leaders guide)

P908904 – Dairy Tasting Party – Complete Dairy Tasting Party form from project book (page 17). May be copied or cut from manual.

P908905 – Protein Collage – Create a collage using neatly cut and pasted pictures of protein sources.

P908906 – Make a Snack – Make a snack. For example: snack mix made from cereal base, no bake or simple cookie or granola bar or muffin. Bring 4 on a plate or 1 cup of snack mix.

P908907 - Other - any exhibit relating to Making Foods for Me. No food allowed that requires refrigeration.

Animals - Clover Kid members may show and tell one small animal.

- All animals are shown as a Show & Tell activity
- Animals must follow all health regulations (refer to 4-H Section).
- For safety, small animals must be housed in appropriate cages/carriers.
- ID sheets are due in the Extension Office by June 1. Contact Extension Office for additional information.
- Clover Kids **CAN NOT** participate in Horse, Market Beef or Breeding Heifer Projects.

CLASS

P910901 – Pocket Pets - examples: Hamster, Gerbils and Rabbits

P910902 – Bucket Calf

P910903 – Feeder Calf

P910905 – Goat

P910907 – Lamb

P910908 – Hog

P910909 – Poultry

P910910 – Cat

P910911 – Dog

Gardening and Flowers

Clover Kids entering gardening and Flowers must follow the preparation guidelines used by the 4-H program.

CLASS

P911901 - Vegetables (may enter up to 2 in this class)

P911902 - Flowers (may enter up to 2 in this class)

P911903 - Herbs (may enter up to 2 in this class)

P911904 - Fruits (may enter up to 2 in this class)

P911905 - Potted Plants (may enter up to 2 in this class)

P911906 - Flower or Gardening Poster – example: a poster with different types of vegetables labeled (may be drawn or cut from clipart or magazine, label the parts of the flower, etc.).

Citizenship

Division 120 - Citizenship

Exhibits are entered at 4-H'ers own risk. We will not be responsible for loss or damage to family heirloom items or any items in this division.

Displays should be no larger than 22"x28" wide. If the size need to be a different size because the item is larger than 22"x28" please contact the Extension Office for approval. Display collections securely in an attractive container no larger than 22"x28".

Project Materials – The official reference for the citizenship projects is Citizenship Public Adventures Kit (M17329) and Citizen Guide's Handbook (BU7330). Other helpful citizenship references include Citizenship Washington Focus guide, Character Counts! And Service Learning Information.

Supporting Material - All entries must have a statement explaining the purpose of the exhibit. Exhibitors are encouraged to show evidence of their personal 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.

Scoring – Score sheets can be found on the web or are available from your county extension office.

CLASS

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 (should be saved to a USB/thumb drive) or another multi-media program to tell about the PROCESS of developing and giving a care package to a service organization. You need to answer the following questions in your exhibit.

1. *How did you select the organization?*
2. *What items did you include in your care package?*
3. *Why did you select those items?*
4. *How did it feel to present your care pack to the organization?*
5. *What did you learn from this experience?*
6. *Other information that you feel is important about the care package or organization.*
7. *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; use 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 wave 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, care package or Quilt of Valor.

Division 130 – Seeing i2i

CLASS

- 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** – a food that is special to your family. Can be a story or essay.
- A130006 – “This is Who I Am” poem** – a poem written by the 4-H'er that reflects who they are.
- A130007 – Poster** – poster that depicts what you have learned through the i2i Project.
- A130008 – Biography** – about an historical figure who has made a positive impact on our society or who has made a difference in the lives of others.
- A130009 – Play Script** – written about a different culture.

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, drawings, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history.

- Exhibits are entered at 4-H'ers own risk. We will not be responsible for loss or damage to family heirloom items or any items in this division.
- Displays should not be larger than **22" x 28"** wide. Use the current entry form. Display collections securely in an attractive container no larger than **22" x 28"**.
- Exhibits must include NAME – COUNTY, AGE & PAST EXPERIENCE (years in Explore Your Heritage projects) on back of exhibit.
- All entries must have documentation included.

Division 101 -Level I - Beginning (1-4 years in project)

CLASS

- A101001 - Heritage poster or flat exhibit** - Entries may be pictures, posters, items that depict family heritage. Exhibits must be supported by a written explanation.
- A101002 - Family Genealogy/History Notebook** – 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** - 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. Pictures must be supported by a written explanation.
- A101005 - Other exhibits depicting the heritage of the member's family or community** - 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** - 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** - Poster relating 4-H history of local club or county or individual.
- A101008 - Story or illustration about a historical event**
- A101009 - Book review about local, Nebraska or regional history**
- A101010 - Other historical exhibits** - Attach an explanation of historical importance.
- A101011 - Family Traditions Book** - Exhibitor scrapbook depicting family traditions of the past.
- A101012 - Family Traditions Exhibit** - Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.
- A101013 - 4-H Club/County Scrapbook** - 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** - 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** - 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.
- A101901 - Any Theme Scrapbook** – a scrapbook relating to any theme including 4-H news reporter book, club secretary book.

Division 102, Level II: Advanced (over 4 years in project)

- A102001 - Heritage poster or flat exhibit** - Entries may be pictures, posters, items, etc. that depict family heritage. Exhibits must be supported by a written explanation.
- A102002 - Family Genealogy/History Notebook** – 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** - 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** - Pictures must be supported by a written explanation.
- A102005 - Other exhibits depicting the heritage of the member's family or community** - 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** - 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** - Poster relating 4-H history of local club or county or individual.
- A102008 - Story or illustration about a historical event**
- A102009 - Book review about local, Nebraska or regional history**
- A102010 - Other historical exhibits** - Attach an explanation of historical importance.

- A102011 - Exhibit depicting the importance of a community or Nebraska historic landmark**
A102012 - Community Report - documenting something of historical significance from past to present.
A102013 - Historic collection - displayed securely and attractively in a container no larger than 22" x 28".
A102014 - Video documentary of a family or a community event - Must be produced and edited by 4-H member. Must be entered as a DVD or USB.
A102015 - 4-H Club/County Scrapbook - 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 - 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 - 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.

Photography

General Photography Rules

- A. 4-H'ers are allowed entries in only one Level of photography, i.e. you may only enter photography 1 not photography 1 and 2. May enter 2 different photos per class. These must be listed individually on the pre-fair entry form.
- B. An image may only be used on one exhibit with the exception of Portfolios which may include images entered in other classes.
- C. Cameras – Photos may be taken with any type of film or digital camera, including phones, tablets, and drones.
- D. Photos must be shot by the 4-H member during the current project year with the exception of Portfolios which may include images captured and/or exhibited in previous years.
- E. Securely attach photos, mats, backing and data tags. Photos that are poorly attached may be disqualified.
- F. Do not use photo corners, borders, or place coverings over the exhibits.
- G. Entry Tags – must be securely attached to the upper right-hand corner of the exhibit.
- H. **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
 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. Flyer must include a link, URL, or QR code that takes users (judges and fairgoers) to their online portfolio.
- I. **Display Exhibits** – Display exhibits are only accepted in Level I & II. Displays consist of three 4x6 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.
- J. **Print Exhibits** – All print exhibits must be 8"x10" prints 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 Data Tags are required.

- K. **Data Tags** – Data Tags are required on print and display exhibits. Data tags are not required for portfolios. Current data tags and help sheet are available at: <https://go.unl.edu/ne4h-photography>
- Prints – All Levels of prints must have a Data Tag for their specific Level securely attached to the back of the exhibit .
 - Displays – Each photo of the display must include a separate Data Tag specific to their Level. Data Tags should be numbered with the corresponding photo's number.

Division 180 – Level 1 – Photography Basics

Displays—Display exhibits are encouraged for Level 1 exhibitors. Displays consist of three 4x6 photos mounted on a single horizontal 11"x14" 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.

CLASS

B180901 – **Fun with Shadows Display or Print** – Photos should capture interesting or creative use of shadows (Activity 4)

B180902 – **Get in Close Display or Print** – Photos should capture a close-up view of the subject or object. (Activity 8)

B180903 – **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)

B180904 – **Tricks and Magic Display or Print** – Photos should capture visual trickery or magic. Trick photography requires 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 flowerpot, 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)

B180905 – **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)

B180906 – **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)

B180907 – **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 the end of a single story, project, or event. Display will consist of three 4"x6" photos mounted on a single horizontal 11"x14" 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)

B180908 – **Favorite Exhibit Print**

B180909 – **Favorite Snapshot** – Print up to 4"x6" mounted on black card stock with ½" borders. Must include data tag.

Division 181 – Level 2 – Next Level Photography— Level 2 photographers should be utilizing all the skills and techniques they have developed thus far in their photography careers, especially topics cover in photography manuals 1 & 2.

CLASS

B181010 – **Level 2 Portfolio**— 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 phot was taken
4. Title for each image
5. Device make and model used to capture each image
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 – 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 – 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– 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 – Candid photos should capture a special moment or meaningful interaction. Photos should be un-posed (Activity 10).

B181060 – Expression Through Color Display or Print – Photos should capture a creative use of color or color scheme, such as complimentary, contrasting, monochromatic, warm, cool, primary, secondary, or tertiary.

B181901 - Exhibit Print – any subject

Division182 – Level 3 - Mastering Photography –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 photography manuals 1-3.

CLASS

B182010 – Level 3 Portfolio – 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 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 phot was taken
4. Title for each image
5. Device make and model used to capture each image
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 phot, what makes the image successful, and what could have been done to improve the image.

B182020 – Advanced Techniques & Lighting Print – 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 Photos should show advanced compositions, such as using diagonal, horizontal, or vertical lines or repeating shapes to frame a subject or lead the

viewers 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 – 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 (Activity9).

B182050 – Still Life Print 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 – Photos should capture a subject in motion. Photographers should adjust shutter speed to either freeze or blue the movement (Activity 11).

B182901 – Exhibit Print – any theme

Miscellaneous Projects

Division 901 - Miscellaneous

General Information

- A. **Show What You Did & Learned** - All exhibitors are encouraged to show evidence of their personal field experiences, study, or observations that relate to their exhibit. This helps judges understand what the 4-H'er did and learned in the process that led to the exhibit.
 - B. **Proper Credit** - Show proper credit by listing the sources of plans or other supporting information used in exhibits.
 - C. **Who’s Exhibit?** - The exhibitor’s name, address, and parent or guardian’s name must be on the back or bottom of all displays so that the owner can be identified even if the entry tag becomes separated from the exhibit.
 - D. **Board Display** - These are displays that show educational information about a topic of interest. Board exhibits can hold objects thicker than the board. Mount all board exhibits on ¼” plywood, Masonite, or similar panel no larger than 24” high by 24” wide.
 - E. **Poster Exhibits** - Poster exhibits should be on regular poster sheets measuring 14” x 22”.
 - **Purpose:** The purpose of a poster is to call attention to a subject. Every poster must be crafted to catch the viewer’s attention quickly. Each must present only one specific message clearly. The poster should clearly feature some aspect of 4-H.
 - **Exhibit Guidelines:** All posters submitted to the State Fair must represent a level of excellence which is demonstrated by having won purple or blue ribbons at county fair. Posters will be judged on the following criteria. Posters will be judged on the following criteria:
 - **Idea:** simple, clear message, appropriate for a poster
 - **Lettering:** readable from a distance, appropriate size in proportion to art.
 - **Art:** one dominate, eye-catching element: art relates to written message.
 - **Arrangement:** makes good use of entire poster space without being too crowded: art and lettering are well balanced.
 - **Color:** use of bold colors that harmonize well: colors used are legible.
 - **Quality of Construction:** neatness: appropriateness of materials used.
 - **Effectiveness:** works well as a poster.
- Entries which do not conform to size, content or material guidelines will be lowered one ribbon placing.
- Posters must be 14” x 22” and must be of a material that can be pinned to a display board. They may be arranged either horizontally or vertically. Those generated by computer must also meet this standard. Computer art generated on an 8 ½” x 11” sheet of paper and mounted on poster board will be disqualified.
- Posters may be in any medium: watercolor, ink, crayon, markers or computer graphics etc. They

may not be three-dimensional. Entries with components thicker than paper (such as milk cartons, pencils, pop cans) will be disqualified.

- Posters may not use copyrighted materials, such as cartoon characters or commercial product names, logos or slogans. Avoid using clichés or over-used phrases that do not command the viewer's attention.
- Posters must include the use of the word 4-H or the official 4-H Emblem (clover with the H's on each leaf), it must follow approved guidelines, which can be viewed at http://www.national4-hheadquarters.gov/emblem/4h_name.htm.
- Computer "clip art" will not be scored as positively as original computer art designs.
- The 4-H member's name, address, age, full address and county must be listed on the back of the poster.
- Posters may be laminated to protect them. Loose plastic coverings used to protect the exhibit while being transported will be removed by the superintendent for evaluation and display.

Miscellaneous Projects

CLASS

B901901 - Animal Display/Poster – project for youth who do not own any livestock or horse

B901902 - Junior Leader Display/Poster

B901904 - 4-Wheelin' Display/Poster

Club Exhibit

CLASS

B901905 - Club Exhibit- will be displayed outside on the fairgrounds and not in the 4-H exhibit hall.

Examples of this are decorated and planted flower barrels, decorated trash barrels, etc. Make sure exhibits are weather proof. Attach a weather proof sign on the display indicating the club name and county.

Posters

CLASS

B901907 – 4-H theme Poster should relate to a 4-H project or topic

Lifetime Sports

CLASS

B901915 – Bowling Display/Poster

B901916 – Golf Display/Poster

B901917 – Tennis Display Poster

B901918 – Bicycle Display/Poster

Great Failures

CLASS

B901922 – Flop Class – 4-H project that was not successful. Included a written explanation of what went wrong and what was learned. Examples include a bucket calf that did not make it to fair or the dog laid in the flowers the night before they were to be picked. No pre-registration is necessary. Items may be brought in on entry day of fair. Please check exhibit in with Extension Staff.

Human Development

The term Human Development includes child care, family life, personal development and character development. 4-H online resource: <http://go.unl.edu/ne4hhumandevlopment>

Exhibitors in the Human Development project area will be asked to focus on designing toys that meet the different needs of children. Categories are based on the Early Learning Guidelines in Nebraska which identify the important areas 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.

Information sheets for Classes 1 - 6

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, Toddlers, Preschoolers or Middle Childhood). 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 (Babysitting Kit) 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.

Division 200 – Human Development - 4-H'ers taking "I have what it takes to be a babysitter" may enter the following classes. Toy, game or activity made for a selected and identified age group. Each area is a different class. Information sheet required or exhibit will be dropped a ribbon placing. Exhibitors in the Human Development project area will be asked to focus on designing toys/games/activities that meet the different needs of children. 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 our project manual. <http://www.deucation.ne.gov/OEC/elg.html>

CLASS

C200001 – Social Emotional Development

C200002 – Language and Literacy Development

C200003 – Science

C200004 – Health and Physical Development

C200005 – Math

C200006 – Creative Arts

C200007 – Activity with a Younger Child - Poster or scrapbook showing 4-H'er working with a child age 0 to 8 years. May show making something with the child, or childcare 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 - Purpose of the kit is for the 4-H'er to take with them when they babysit in someone else's home. Do not make kit for combination of ages or for your own family to use. See The Sitter manual (4H266 revised 2002) for appropriate items to include. 4-H'er **must** make one or more items in the kit, but purchased 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. 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. Most importantly the kit should serve a defined purpose, not just be a catch all for several items.

C200009 – Family Involvement Entry - 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.

4-H'ers taking GROWING ALL TOGETHER (CD 2, 3) may enter:

C200010 – Growing With Others - Scrapbook or poster. 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 - 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.

Fashion Show

Fashion Show

This is modeling only. If you wish to have your garment judged on construction, enter it again under Clothing. Members may model all garments. Exhibitor must be enrolled in that project. Fashion show contestants must be in the contest and the public fashion show to qualify for premiums.

The entries not accepted at State Fair 4-H Fashion Show but are accepted in the County level Fashion Show.

- Textile clothing accessories
- Nightshirt/loungewear for example, flannel lounging pants

Beyond the Needle

C221011- Modeled “Beyond the Needle” Embellished Garment(s) with an Original Design -

Garment is created using intermediate or advanced techniques as defined in the project manual. Designs are the original idea of the 4-H'er using the elements and principles of design to make an original statement.

C221015 - Modeled “Beyond the Needle” Garment Constructed From Original Designed Fabric -

Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added.

C221020 - Modeled “Beyond the Needle” Textile Arts Garment(s) or Accessory- Garment is constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. Modeled accessory is not eligible for State Fair modeling

C221025 - Modeled “Beyond the Needle” Wearable Technology Garment - Garment has integrated technology into its design.

STEAM 1 -- 4-H members who have completed Clothing Levels above STEAM 1 are not eligible. A purchased top or bottom may be worn. For additional information, see Clothing Exhibits.

C211950 – STEAM 1 Garment – Simple Top or Simple Bottom

C211951 – STEAM 1 non garment – pillows, bags, etc.

C211952 – Upcycled Garment or Accessory not eligible for State Fair Fashion Show

STEAM 2

C222030 - Modeled Constructed STEAM Clothing 2 Garment(s) – All STEAM 2 garment exhibits can be modeled at the county fashion show. Only outfits meeting this criteria are eligible for State Fair: Dress; Romper or Jumpsuit; OR Two-Piece Outfit (skirt with shirt, vest, or jacket; jumper and shirt; pants or shorts Outfit (pants or shorts with shirt, vest, or 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).

C222930 – Upcycled Garment or Accessory -not eligible for State Fair Fashion Show

STEAM 3

C223040 - Modeled Constructed STEAM Clothing 3 Garment(s) - Possible types of garments include: Dress or formal; Skirted Outfit Combination (skirt with top, vest, or lined/unlined jacket OR jumper and shirt); Pants or Shorts Outfit (pants or shorts with shirt, vest, or jacket); Romper or Jumpsuit; Specialty Wear (swim wear, costumes, western wear-chaps, chinks, hunting gear or riding attire); 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. Upcycled Outfit Combination – must contain a complete constructed outfit (examples: if the top is upcycled, must include a constructed bottom, upcycled dress).

C223940 – Upcycled Accessory - not eligible for State Fair Fashion Show

Knitted

C225050 - Modeled Knitted Clothing or Accessory.

Level 1- not eligible for State Fair

Crocheted

C226050 - Modeled Crocheted Clothing or Accessory.

Level 1- not eligible for State Fair

Shopping In Style

C240060 - 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 10 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.

Clothing

- A. **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.
- B. **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 <http://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.**
- C. **Preparation Of Exhibits** - Please bring all wearable exhibits on wire hangers or hangers with a swivel hook ONLY. Wool garments and garments with narrow straps hang better on other hangers, i.e., wooden or notched plastic hangers with swivel hook. Fasten skirts, shorts, and pants to hangers. 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.
- D. **Garments as listed** may be made for self (4-H member) or others another person.
- E. **Criteria For Judging** - Refer to the Nebraska 4-H website for current state fair scoresheets at 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 enrolled in clothing projects should continue their skill development.
- F. **Level advancement** - Once you have exhibited in Level 2 you may not exhibit in Level 1.

Divisions 220 – General Clothing

CLASS

- 220001 – Clothing Portfolio** – Complete at least four different samples/activities from Chapters 2, 3 or 4 of the project manual. The portfolio should be placed in an **8 ½"x11"** three ring binder. Include an appropriate cover. Portfolio should build upon itself each year (additional pages can be added each year but should be dated.) STEAM Clothing 2 p. 9-11, Simply Sewing project manual for portfolio formatting.
- 220002 – Textile Science Scrapbook** – 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 ½"x11"** three 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.
- 220003 – Sewing for Profit** – 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.

CLASS

- C221001 – Design Portfolio** – Complete at least three design samples/activities. Refer to the project manual for activity ideas. The Portfolio should be placed in an 8 ½" x 11", three ring binder. Include an appropriate cover. (Additional pages can be added each year but should be dated). See pages 14-16 for portfolio formatting.

- C221002 – Color Wheel** – Create your own color wheel, complimentary color bar or color scheme using pages 27-39 in the 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- 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-H'er using the elements and principles of design to make an original statement. A Design Data Card must be included with this project.
- C221004 – Original Designed Fabric Yardage** – 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. A Design Data Card must be included with this project.
- C221005 – Item (garment or non-clothing item) Constructed From Original Designed Fabric** (garment or non-clothing item– only garments are eligible for State Fair Fashion Show) – Fabric yardage is designed first, then an item is constructed from that fabric. Other embellishments may be added. A Design Data Card must be included with this project.
- C221006 - Textile Arts Garment or Accessory** – (only garments are eligible for State Fair Fashion Show) – A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. A Design Data Card must be included with this project.
- C221007 – Fashion Accessory** – (NOT eligible for State Fair Fashion Show) – An accessory designed and/or constructed using elements and principles of design; can be textile or non-textile based. Examples: shoes, strung bracelets/necklace, wire wrapping, scarves, flip flops, design on tennis shoes, etc. A Design Data Card must be included with this project.
- C221008 – Wearable Technology Garment or Accessory** (only garment is eligible for State Fair Fashion Show) – Technology is integrated into the garment or accessory in some way. For example: LED's, charging capabilities, sensors, etc. A Design Data Card must be included with this project.

Division 211- STEAM Clothing 1 - Fundamentals

Exhibits will be simple articles requiring minimal skills. Follow suggested skills in project manual. 4-H'ers who have enrolled in or completed STEAM Clothing 2 project are not eligible to exhibit in STEAM Clothing 1.

- C211001 - 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 ½"x11", 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.
- C211002 – Textile Science Scrapbook** – Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½"x11", 3 ring binder. Include an appropriate cover. See project manual for fabric suggestions.
- C211902 - Sewing Kit** – Include a list of sewing notions and purpose for each included. (pg. 12-17 in project manual)
- C211904 - 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.
- C211905 - Clothing Service Project** – Can include pillows or pillowcases but are not limited too. 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.
- Beginning Sewing Exhibits:** Exhibits must be made from medium weight woven fabrics that will sew and press smoothly, flannel/ fleece is acceptable. Solid color fabrics or those having an overall print are acceptable. NO PLAIDS, STRIPES, NAPPED or JERSEY KNIT. Patterns should be simple without darts, set-in sleeves, zippers, no buttonholes and collars. Raglan and kimono sleeves are acceptable. See "Maker's Guide to Sewing Stuff" curriculum for patterns and ideas. Patterns other than what is in the Maker's Guide to Sewing Stuff may be used.

Difficulty Guide: Easy *, Medium **, Hard ***

C211906 – Pincushion, Shears holder, Needle book* each item will be judged separately.

C211907 – Pillowcase*

C221908 – Placemat*

C211909 - Simple Pillow**

C211910 - Bean Bag Game**

C211911 - Crayon Roll**

C211912 - Book Cover**

C211913 - Wallet**

C211914 - Scrunchie**

C211915 - Headband**

C211916 - Bag/Purse/Pouch – No zippers or buttonholes.

C211917 - Belt***

C211918 - Apron***

C211919 - Oven Mitt***

C211920 – Bag/Purse/Pouch*** – May have Zipper or Buttonholes.

C211921 - Simple Top***

C211922 - Simple Bottom*** – pants, shorts, or skirt

C211923 - Simple Dress***

C211924 - Other – Using skills learned in project manual. Sewing for your animal items go here.

C211925 - **Upcycled Simple Garment** – The original used 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. A Design Data Card must be included with this project.

C211926 - **Upcycled 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. A Design Data Card must be included with this project.

Division 222 – Steam Clothing 2 – Simply Sewing - Exhibits entered in this project must reflect at least one new skill learned from this manual. 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.

CLASS

C222001 - **Design Basics, Understanding Design Principles** – 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** – 4-H Members enrolled in STEAM Clothing 2 may enter a ham or sleeve roll from pages 21-25 “A Pressing Matter” in the project manual. Exhibit should include answers to lesson questions that are most appropriate to include.

C222003 - **Upcycled Garment** – (Eligible for State Fair Fashion Show) - Create a garment from used textile-based items. 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 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”. The data card is available at <http://go.unl.edu/ne4hclothing>.

C222004 - **Upcycled Clothing Accessory** – (NOT eligible for State Fair Fashion Show) - 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 accessory 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”. The data card is available at <http://go.unl.edu/ne4hclothing>.

- C222005 – Textile Clothing Accessory** – (NOT eligible for State Fair Fashion Show) - Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 2. 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) - vest acceptable
- C222007 - Bottom** – (NOT eligible for State Fair Fashion Show) - pants or shorts
- C222008 – Skirt** – (NOT eligible for State Fair Fashion Show)
- C222009 – Lined or Unlined Jacket** – (NOT eligible for State Fair Fashion Show)
- C222010 – Dress** – (Eligible for State Fair Fashion Show) - not formal wear
- C222011 – Romper or Jumpsuit** – (Eligible for State Fair Fashion Show)
- C222012 - Two-Piece Outfit** – (Eligible for State Fair Fashion Show)
- C222013 - Alter Your Pattern** - (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)
 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

Exhibits entered in this project must reflect at least one new skill learned from this manual. (See project manual skill – level list). 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.

CLASS

- C223001 - Upcycled Garment** – (Eligible for State Fair Fashion Show) - 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 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 <http://go.unl.edu/ne4hclothing>.
- C223002 - Upcycled Clothing Accessory** – (NOT eligible for State Fair Fashion Show) - 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 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 <http://go.unl.edu/ne4hclothing>.
- C223003 - Textile Clothing Accessory** – (NOT eligible for State Fair Fashion Show) - Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 3. Entry examples include: hats, bags, scarves, gloves. No metal, plastic, paper or rubber base items allowed.
- C223004 - Dress or Formal** – (Eligible for State Fair Fashion Show)
- C223005 - Skirted Combination** – (Eligible for State Fair Fashion Show) - skirt with shirt, vest or jacket OR jumper and shirt
- C223006- Pants or Shorts Combination** – (Eligible for State Fair Fashion Show) - pants or shorts with shirt, vest or jacket
- C223007 - Romper or Jumpsuit** – (Eligible for State Fair Fashion Show)

- C223008 - Specialty Wear** – (Eligible for State Fair Fashion Show) - includes: swim wear, costumes, hunting gear, or chaps)
- C223009 – Lined or Unlined Jacket-** (Eligible for State Fair Fashion Show) - non-tailored
- C223010 - Coat, Blazer, Suit Jacket or Outerwear** – (Eligible for State Fair Fashion Show) - 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** - (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) 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.

Fiber Arts –Knitting and Crocheting

Criteria for judging knitting and crochet: Design and Color, Neatness, Knitting Mechanics or Crochet Mechanics, Trimmings, and Construction Finishes.

Division 225 - Knitting – Criteria for judging knitting: Design and Color, Neatness, Knitting Mechanics, Trimmings and Constructions Finishes. 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:

Fiber Arts Data Card for Knitting.

1. Why did you choose to create this exhibit?
2. What steps did you take as you worked toward your goal(s)?
3. What were the most important things you learned?
4. Gauge-Number of rows per inch; number of stitches per inch.
5. Size of needles, finger knitted, arm knitted, loom or machine knitted.
6. Kind of yarn – weight and fiber content or other material used.
7. Names of stitches used.

CLASS

- C225901 – Level 1 Knitted Clothing or Home Environment Item** – (NOT eligible for State Fair Fashion Show) - Knitted items or garment using beginning stitches.
- C225001 - Level 2 Knitted Clothing** (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 Tow Together (K2tog), Yarn Over (yo), to form patterns.
- C225002 – Level 2 Knitted Home Environment Item** - Knitted item Basic stitches including: Knit (K), Purl (P), Slip Knit Pass Over (SKPO), Knit Tow Together (K2tog), Yarn Over (yo), to form patterns.
- C225003 – Arm or Finger Knitted Item** - clothing or home environment.
- C225004 – Loom Knitted Item** - clothing or home environment item.
- C225005 - Level 3 Knitted Clothing** – (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 Home Environment Item Knitted item made from advanced knitting stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the item such as argyle knitting and chart knitting.

C225007 – Level 3 Machine Knitting

Division 226 - Crochet – Criteria for judging Crochet: Design and Color, Neatness, Crochet Mechanics, Trimmings and Constructions Finishes. Each crochet exhibit must include the following information on the Fiber Arts Data Card with the entry tag or exhibit will be lowered one ribbon placing:

Fiber Arts Data Card for Crochet

1. Why did you choose to create this exhibit?
2. What steps did you take as you worked toward your goal(s)?
3. What were the most important things you learned?
4. Gauge and size of hook or type of crocheting tool.
5. Kind of yarn – weight and fiber content or other material used.
6. Names of stitches used.

CLASS

C226901 – Level 1 Crocheted Clothing or Home Environment Item – (Not eligible for State Fair Fashion Show) - Crocheted item or garment using beginning stitches.

C226001 - Level 2 Crocheted Clothing – (Garment eligible for State Fair Fashion Show)- Crocheted garment using basic stitches including: chain, single, double, half-double, treble to form patterns.

C226002 - Level 2 Crocheted Home Environment Item - Crocheted item using basic stitches including: chain, single, double, half-double, treble to form patterns.

C226003 - Level 3 Crocheted Clothing – (Garment eligible for State Fair Fashion Show)- Crocheted 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 Home Environment Item - Crocheted item using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.

Quilt Quest

Division 229 – Quilt Quest

EXHIBIT GUIDELINES

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.

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 collections 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 1/2"** 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 1/2"** 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 1/2 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 *785-4more 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.

CLASS

C229010 - Exploring Quilts -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, and 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" x 22"** poster, notebook, CD, Power Point, 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.

C229020 - Quilt Designs other than Fabric -Two or three dimensional item with quilt design made using medium other than fabric, such as stained glass, paper, etc. Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete the project. Tag templates can be found on the 4-H State Fair website, please note this project needs the Home Environment information sheet. Exhibits without supporting information will be dropped a ribbon placing.

C229021 – Barn Quilt - created that is less than 4'x4'. A barn quilt is a large piece of wood that is painted to look like a quilt block. Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete the project. Tag templates can be found on the 4-H State Fair website, please note this project needs the Home Environment information sheet.

Exhibits without supporting information will be dropped a ribbon placing.

C229022 – Barn Quilt created that is 4'x4' or larger. A barn quilt is a large piece of wood that is painted to look like a quilt block. Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete the project. Tag templates can be found on the 4-H State Fair website, please note this project needs the Home Environment information sheet. Exhibits without supporting information will be dropped a ribbon placing.

C229030 - Computer Exploration -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.

C229040 - Wearable Art - Quilted clothing or clothing accessory which must have a recognizable amount of quilting and may include fabric manipulation. Quilting must be done by 4-H member. On a half sheet of 8 ½" x 11" paper, tell how you selected the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.

C229041 - Inter-Generational Quilt - A quilt made by a 4-H member and family members or friends of different generations. On a half-sheet of 8 ½" x 11" 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 - A quilt constructed by a 4-H member or group to be donated to a worthy cause. On a half sheet of 8 ½" x 11" 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?

GUIDELINES FOR CLASSES 50–83 QUILTED EXHIBITS

- Please note the description of classes. Then 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 ½" x 11" 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?

Sizes of Quilted Exhibits

- **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.
- **Medium:** length + width = 61" to 120"
- **Large:** length + width = over 120"

Level I Quilted Exhibits - Pieced quilts made up of squares and/or rectangles.

CLASS

C229050 - Small

C229051 - Medium

C229052 - Large

Level II Quilted Exhibits - In addition to squares and/or rectangles, quilts may have triangles, and/or may be embroidered.

CLASS

C229060 - Small

C229061 - Medium

C229062 - Large

Level III Quilted Exhibits - 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 or texture and/or a diversity of mixed media. An Art Quilt often pushes the quilt world boundaries), or other non-traditional styles.

CLASS

C229070 – Small

C229071 - Medium

C229072 - Large

Premier Quilt - 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.

CLASS

C229080 - Hand quilted

C229081 - Sewing machine quilted

C229082 - Long arm quilted—non-computerized/hand guided

C229083 - Long arm quilted— computerized

Consumer Management

General Information – Posters should be on **14" x 22"** poster board. Three-ring binders should be **8 ½"x 11"x 1"**. Videos 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.

Division 224 - Shopping in Style

CLASS

C240001 - Best Buy for Your Buck- (ages 8-13 as of Jan 1 of 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. See general information above. Do not include the Shopping In Style Fashion Show Information Sheet in in your entry. Although both entries do share some information, there are differences in content and format for this.

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 your final comments on why you selected your “best buy for your buck”.
- Provide 3 color photos of you wearing the garment (one each of front, side and back views).

C240002 - Best Buy for Your Buck- (ages 14-18 as of Jan 1 of 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. See general information above. Do not include the Shopping In Style Fashion Show Information Sheet in in your entry. Although both entries do share some information, there are differences in content and format for this.

Provide details listed for those ages 10-13 plus include the following additions:

- Body shape discussion
- Construction quality details
- Design features that affected your selection
- Cost per wearing
- Care of garment and conclusion or summary statement your final comments on why you selected your “best buy for your buck”
- Provide 3 color photos of you wearing the garment (one each of front, side and, back views).

- C240003 – Revive your Wardrobe** - Take at least two items in your wardrobe that still fits 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** - 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 1st Aid Kit** - 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** - 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).

Division 247 – My Financial Future – Entries should be typed and then attached to a piece of colored card stock or colored poster board no bigger than 14"x22". You may use the front and back of the poster board.

CLASS

- C247001 – Write 3 SMART financial goals for yourself** – one should be short term, one intermediate, and one long term. Explain how you intend to reach each goal you set
- C247002 – Income Inventory** – 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** – 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** – 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 – “What Does It Really Cost?”**- Complete activity 8 “What Does It Really Cost?” on pages 39-40.
- C247006 – My Work: My Future** – 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? Where 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** – 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** – Type your answers to the questions about Elliot on page 50.
- C247009 – Evaluating Investment Alternatives** – complete the case study of Jorge on page 64. Answer all three questions found at the bottom of the page.

C247010 – Understanding Credit Scores – Watch the video and read the resources 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 – 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 5 of the terms.

Home Design & Restoration

General Guidelines

A. HOME **DESIGN & RESTORATION** EXHIBITS are evaluated by these criteria:

- a. Items must be designed to be used for home decorating, home furnishing or home management (no clothing, purses, note cards, scrapbooks/photo albums, etc.)
 - b. 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.
 - c. 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 their project with their exhibit. Information on the element and principles of design may be found in the Design Decisions manual, as well as Portfolio Pathways and Sketchbook Crossroads.
 - d. Entered in correct class: What medium was changed or manipulated? What medium is the majority of your exhibit made from?
 - e. 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, but still needs to include hanger. 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.
 - f. Items that focus on technology and science for the home are acceptable.
 - g. Items should *not* be made for beginning level or other projects (ex: Sewing for Fun pillows/ simple (10 minute) table runners or woodworking).
- B. 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.

C. SUPPORTING INFORMATION - Supporting information is required for ALL Home DESIGN & RESTORATION exhibits. Information must include the elements and principles of design used and steps taken to complete project. Exhibits without supporting information will be dropped a ribbon placing. This form may be found at sw3.unl.edu

Division 251 – Design My Place

CLASS

C251901 – Needlework Accessory – Made with yarn or floss.

C251902 – Simple Fabric Accessory - Pillow, laundry bag, pillowcase, table runner, etc.

C251903 – Batik or Tie Dyed - Accessory for the home made with original batik or tie dye.

C251904 – Metal Tooling or Metal Punch – Item for room or home.

C251905 – Storage Item Made or Recycled

- C251906 – Simple Home Accessory** – Item made by 4-H'er using wood, plastic, glass, clay, paper or leather.
- C251907 – Bulletin or Message Board**
- C251908 – Painted Ceramic**
- C251909 – Problem Solved** – Use creative method to show how you solved a problem (air quality, water, sound, temperature, lighting, fire escape plan, etc.)
- C251910 – Video** – Showing how to make a bed or organize a room.

Division 257 – Design Decisions

CLASS

- C257001 - Design board for a room** - 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** – Identify a problem (as problem windows, storage needs, inconvenient room arrangement, cost comparison, energy conservation, waste management, etc.) OR *explore and 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.*
- C257003 - Solar, wind, or other energy alternatives for the home** – Can be models, either an original creation or an adaption of kit. If kit, label and explain what was learned and how the item could be used in or on exterior of home.
- C257004 – Technology in Design** – 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** - May include curtains, draperies, shades, shutters, etc.
- C257007 - Floor covering** – May be woven, braided, painted floor cloth, etc
- C257008 – Bedcover** - May include quilt, comforter, bedspread, dust ruffle, canopy, etc. For quilts, state who did the quilting. (No fleece tied exhibits).
- C257009 - Accessory - Original Needlework/Stitchery**
- C257010 - Accessory – Textile – 2D** - Table cloth or runner, dresser scarf, wall hanging, etc. No tied fleece blankets or beginning/10 minute table runners.
- C257011 - Accessory – Textile – 3D** - Pillows, pillow shams, fabric bowls, etc. No fleece tied exhibits.
- C257012 – Accessory – 2D**
- C257013 – Accessory – 3D** - String art, wreaths, etc.
- C257014 - Accessory – Original Floral Design** - Arranged by 4-H member.

For Classes 15-18, determine entry by what medium was manipulated.

- C257015 - Accessory – Original made from Wood** - Burn, cut, shape, or otherwise manipulate.
- C257016 - Accessory – Original made from Glass** - Etch, mosaic, stain, molten or otherwise manipulated.
- C257017 - Accessory – Original made from Metal** - cut, shape, punch, sculpt, reassemble, or otherwise manipulate.
- C257018 - Accessory – Original made from Ceramic or Tile** - 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** - 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** - 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.
- C257022 - Furniture – Wood Clear finish** - Showing wood grain.
- C257023 - Furniture - Fabric Covered** - May include stool, chair seat, slipcovers, headboard, etc.

C257024 - Furniture – Outdoor Living - Furniture made/refurbished suitable for outdoor use. Include description of what was done to recycle or reuse item in your attached information.

C257025 - Accessory – Outdoor Living – Accessory made/refurbished by 4-H member suitable for outdoor use. Include description of what was done to recycle or reuse item in your attached information.

Division 256 – Heirloom Treasures/Family Keepsakes - 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. NOTE: new resources to support this project area are on the 4-H website.

Attach information including:

1. List of steps taken to complete your project. Before and after pictures are encouraged.
2. 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.

CLASS

C256001 – Trunks - 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. May include a display of a collection or collectibles, being careful not to destroy value of the collection.

C256003 – Furniture - 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 assessor or furniture - 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, G1682 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.

Division 901 – You Design It -The exhibits in You Design It are essential educational exhibits. Exhibitors may use whatever means is most effective in showing what they have accomplished in a project they have planned themselves. Photographs, slides, posters, charts, drawings or articles used or made may be utilized in telling the story of the exhibitor’s You Design It project. The exhibit should include sufficient explanation so that viewers understand what was done. **Do Not** include Legos in “You Design It”. All exhibits that are hangable must have a secure wire hanger. There is a maximum size limit of **24” x 24”**. **4-H Record Books are not allowed as exhibits in You Design It.**

CLASS

C901901 - Beginning Self-Determined Project

C901902 - Advanced Self-Determined Project

C901903 - Home Environment Pinterest Exhibit - This class is for 4-H members enrolled in Design My Place, Heirloom Treasures, Design Decisions, Sketchbook Crossroads, and/or Portfolio Pathways. Items must have started from an idea obtained from Pinterest. A label with the exhibitor’s name and county should be attached to each separate piece of the exhibit.

Supporting information is required on all exhibits in this class: 1) copy of Pinterest instructions for the exhibit, and 2) on a **4” x 6”** card, list three things you learned in the construction of the exhibit. Exhibits without the required supporting information and/or fail to meet class requirements will be dropped one ribbon placing.

Visual Arts

With an emphasis on originality, the purpose of the 4-H Visual Arts project is to practice using design element 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 the edges. All 2-dimensional pieces should be ready to hang using a sawtooth or wire hanger.
3. Entry Description- Entry tags should include a visual description of the exhibit, including size, dominant color, and subject to aid in identification.
4. 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 tags can be found at <https://go.unl.edu/ne4hvisualarts>. Exhibits without supporting information will be dropped a ribbon placing.

Division 260 – Visual Art Mediums

CLASS

C260001 – Original Acrylic Painting

C260002 – Original Oil Painting

C260003 – Original Watercolor Painting

C260004 – Original Pencil Drawing

C260005 – Original Charcoal Drawing

C260006 – Original Ink Drawing

C260007 – Original Fiber Art – could include weaved art, dyed fabric, felted wool, cotton linter, batik, etc.

C260008 – Original Sculpture – Could include Styrofoam, wood, cardboard, paper, metal, wire, etc.

C260009 – Original Ceramic Pottery – 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 – 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 – Could include digital art, leathercrafting, printmaking, stained glass, pastels, scratchboard, sand painting, encaustic painting, chalk, etc.

C260012 – Original Mixed Media – Could include any combination of two or more other mediums or materials.

Division 261 – Visual Art Themes – 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.

CLASS

C261001 – Original Art Inspired by Plants or Animals – 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** – 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** – 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** – could involve but is not limited to food, cars, fantasy worlds, imaginary characters, science-fiction, history, etc.

Environmental & Earth Sciences

Entomology

Division 800 - Entomology -GENERAL INFORMATION -Specimens should be mounted properly and labeled with location and 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 not more than 12" high X 18" wide, 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. No projects over 50 pounds allowed. Recourses can be found at: <https://go.unl.edu/ne4hentomology>
The insect of the year for 2024 is the grasshopper.

CLASS -

- H800001 - Entomology Display -First-Year Project - 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 - 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 - 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 - Educational display developed according to personal interest and/or advanced identification capability. This also is 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 pest of corn, aquatic insects, insect mimicry, insect galls, insects from goldenrod, insect pollinators, etc.)
- H800005 – Insect Habitats - 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 Neb Guide: Creating a Solitary Bee Hotel
 - University of Minnesota: Wild Bees and Building Wild Bee Houses
 - National Wildlife Federation: How to Provide Water in Monarch Gardens
- H800006 – Macrophotography - 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 8 ½" X 11" and mounted on rigid, black 11" X 14" poster or matt 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 be glued below the print on the poster board.
- H800007 – Insect Poster/Display Exhibits – 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 a 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 – Reports or 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 beehive, observations of insects in a specific habitat, accounts of insect behavior in a forest or flower garden, etc.
- H810001 – Special Entomology Project Educations Exhibit – based on what was learned from the project. Present information on a poster no larger than 22" x 28" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name , age, full address, and county must be on the back of the poster or report cover. Reports may include life cycle, distribution of the insect, insect behavior (ex. Nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers or lakes). May include a certain species or broad overview of the family or group of insects.
- H810002 – Special Entomology Display – the current year's Special Entomology Project pinned species along with a one to two page report of what was learned from researching the insect type. Reports may include life cycle, distribution of the insect, insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers, or lakes). May include a certain species or broad overview of the family or group of insects.

Forestry

GENERAL INFORMATION

The official reference for all forestry projects is the Tree Identification Manual (4-H 332). Other helpful forestry references include Trees of Nebraska (EC 92-1774-X), Leafing Out (4-H431) and Plant a Tree (EC 17-11-80).

- 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.
- 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".
- Display "books" must measure no more than 16" x 16".
- 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.

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

Division 320 – Forestry

CLASS

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, wild fire, 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.

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)
9. 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.
10. 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)
7. 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)
7. 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)
7. 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

On 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 (be specific, including county and other relevant information)
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:

- a. Trunk
- b. Crown
- c. Roots
- d. Leaves
- e. Flowers
- f. Fruit
- g. Buds
- h. 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 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. exhibitor'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. Supporting information will be an important factor in judging.

D320009 – Forest Product Display – Prepare a visual display and or collection tracing the origin of one non-Lumber product that comes from trees and or forest. The display must be no larger than 24" x 28" and Photographs, drawings, samples, charts, posters etc. can be used. Posters

submitted may be no larger than 22"x28" 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 the 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" x 24". Original photographs, drawings, samples, charts, posters, etc. can be used. Actual specimens are strongly encouraged but must properly preserved, i.e. insects pinned or placed in vials of alcohol, leaves pressed and dried. Posters submitted may be no larger than 24" x 24". 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" x 24" 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 cost 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 landscape, while addressing landowner and other stakeholder interest. Label pint/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 youth articulate 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" x 24" x 24" photographs, drawings, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 24" x 24". The tree must have been planted 60 days to 1 year before 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.

Agronomy

Individuals in the Crop Production, Field Crops project may exhibit grain or plants to prepare and 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.

Division 750 – Field Crops-Grain or Field Exhibits

- A. Individuals in the Crop Production, Field Crops projects may exhibit grain or plants or prepare an educational display representing their project.
- B. **IMPORTANT:** A completed Crop Production Worksheet 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 on 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. Worksheet available at <https://cropwatch.unl.edu/Youth?Documents?Crop%20Production%20Project%20Worksheet%20Final.pdf>.
- C. 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 **and brought in an appropriate sized box/container for display. NEW: Place in a clear container so it can be viewed and displayed.**
- D. 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.

CLASS

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)

Division 750 – Crop Production Displays

- A. 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.
- B. 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.
 - C. 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 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.

CLASS

- 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, 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 of the person interviewed.
- G750011 – Special Agronomy Project - Educational Exhibit** – 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. 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 and 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.
- 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 (see requirements in Rules at top of this section). Supporting documentation (1/2 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 conservations 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.

Weed Science

Division 751 – Weed Science

General Information

Any individual in the Conservation, Environment 1, 2 or 3, Range, Reading the Range 1 or Using Nebraska Range 2, or Crop Production, Field Crops projects may exhibit a weed book or weed display. The book cover and at least 15 of specimens must represent this year's work. For assistance identifying plants, participants can use Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994) or Weeds of the Great Plains (2003). Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements

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.

Books – 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.

CLASS

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, plumeless thistle, saltcedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, bohemian knotweed or phragmites), and at least three 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.

Range

Division 330 – Range Management

General Information

- A. Each exhibit must be properly identified with Unit and Class.
- B. All plant displays and display covers must be the result of the current year's work.
- C. 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).
- D. The purpose of this category is to help 4-H'ers 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-H'ers will become more proficient in knowledge of Nebraska's range.

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. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: 1. Scientific name (in italic or underlined), with authority. 2. Common name. 3. County of collection. 4. Collection date. 5. Collector's name. 6. Personal collection number, indicating order that plants were collected in your personal collection. 7. 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.

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" x 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 the back side.

Boards (Class 7): Boards should be no larger than 30" wide by 36" tall. Boards should be adequately labeled.

CLASS

D330001 - Value and Importance for Livestock Forage and Wildlife Habitat and Food Book - 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– A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.

D330003 - Growth Season Book– A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.

D330004 - Origin Book– 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– A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.

D330006 – Range Plant Collection Book – 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 with describes what the plants have in common and why you have chosen to collect them.

- D330007 – Parts of a Range Plant Poster** – 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** – A display of the results of a clipping study, a degree of use study, range site study, etc.
- D330009 - Junior Rancher Board** – This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management.

Conservation & Wildlife

GENERAL INFORMATION – Conservation, wildlife and shooting sports gives 4-H members and 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.

- A. **SHOW WHAT YOU DID & LEARNED**-All exhibitors will show evidence of their personal field experiences, research or observations that relate to their exhibit. This helps judges understand what the 4-H'er did and learned in the process that led to the exhibit.
- B. **PROPER CREDIT**-Show proper credit by listing the sources of plans or other supporting information used in exhibits.

Example to attach to your exhibit

Name: Chris Clover

County: Clover County

Age: 10

Field Experience, Study, or Observations:

I attended a 4-H workshop where we put out a food plot, and then made turkey calls. We played a game about attracting turkeys. Sometimes we acted like a female to draw in a tom turkey. Sometimes we acted like a lost baby turkey to call in a whole flock. I was able to use my turkey call and play the game successfully. While I never turkey hunted in person, I went on-line to research more turkey calls. I hope to turkey hunt someday, and I want to use a box call to hunt fall turkeys.

Credits/Source:

Information was obtained from Nebraska Game & Parks website

- C. **WHOSE EXHIBIT?**-The exhibitor's name, address, and parent's or guardian's name must be on the back or bottom of all displays.
- D. **WILDLIFE & 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.**
- E. **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/ and www.whep.org.
- F. **BOARD AND POSTER EXHIBITS**- Mount all board exhibits on **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.

- G. Exhibit Size: Exhibits other than poster/display board should not exceed 48"x48" and be able to be moved by two people.

Division 340 -Wildlife and How They Live (Classes 1-4) - Classes 1-4 are board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation. 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; habitats. For more ideas, refer to project booklets.

CLASS

- D340001 - Mammal Display** - 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** - 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** - 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** - 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** - 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
1. 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.
 2. Show the role of predators, scavengers, insect eaters, or others in nature.
 3. Show how wildlife numbers (populations) change through the year.
 4. Show predation, competition, or other behavioral interactions of wildlife.
 5. 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** - Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are three (3) options. For all options, include a brief description of your experiences in making the tracks so the judge's 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** - 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".
- D340008 – Wildlife Diorama** - 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** - 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 to be between 100 and 1000 words long and typed, double spaced on, (8 ½"x 11") preferred. 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** - 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** - 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).

Division 341 -Outdoor Adventures

- See General Rules
- Display posters must be made of material, e.g. foam board or poster board and measure no larger than 22" X 28". Poster material should be sturdy enough to hold display items.
- Display exhibits other than posters to be no larger than 18" X 24".
- Journal/Binder exhibits measure no larger than 16" X 16".
- Consider neatness and creativity.

Level 2

- D341001 – Poster** – 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** – 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 of drawing of observations encouraged. Exhibits measure no larger than 16" x 16".
- D341003 – Camping/Hiking Safety** – 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** – 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 SUB drive or a DVD inside a report cover or notebook. If using a slideshow, include printed slides inside report cover or notebook.
- D341005 – Other Camping Items** – 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.

Level 3

- D341006 - Poster** - **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** - 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** - 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** - 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** - 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). Exhibits measure no larger than **18" X 24"**.

Division 342 – Wildlife Habitat

CLASS

- D342001- Houses** -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, 4) any evidence of your personal observations and experiences. Tips: check NebGuide on bird houses and shelves.
- D342002 – Feeders/Waters** - 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 animals for which the water/feeder is intended, 2) where and 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. 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.

Division 343 – Harvesting Equipment

CLASS

- D343001 – Fish Harvesting Equipment** - 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:
1. the purpose of each item,
 2. when or where each item is used
 3. any personal experiences you've had with the item(s).

D343002 – Build A Fishing Rod - 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 following items: Explanation of cost of materials/components, where materials/components were purchased, how made, and 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, correct information, and neatness.

D343003 – Casting Target - Make a casting target for exhibit and use. Target must be under **48" x 48"**. The bullseyes/rings must be 2 foot, 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 - 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.

1. the purpose of each item,
2. when or where it is used
3. any personal experiences you've had with the item(s).

D343005 – Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory – 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 346 – Taxidermy

D346001 – Tanned Hides – Exhibit of a wild animal hide properly processed by the member. No requirements as to mounting but must meet the size requirement listed under General 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 – Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information:

1. The specie name (white tailed deer)
2. Information about the exhibitor's personal field experiences, study or observations that relate to the exhibit.

Division 361 – Other Natural Resources

CLASS

D361001 – Design Your Own Exhibit in Natural Resources, Conservation, Geology or Ecology -

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.

Shooting Sports

Division 347 – Shooting Sports

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 nor live ammunition can be entered as an exhibit; however information can be shared through pictures. Classes 004-009 can be entered by anyone in the conservation and wildlife area.

Exhibit Hall Displays

CLASS

- D347001 - Shooting Aid or Accessory** – 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** – an 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** – invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials for 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** – 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** – Include a shooter'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** – 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. Examples could be range development, conservation planting to attract wildlife, a camp, 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** – 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 1000 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** – Explore the difference shooting sports 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.
- D347009 - Ag Literacy-Value Added Agriculture Interview or Research Project** – 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 finding in an interesting way for the public to learn from.

Shooting Sports Contest

- *All shooting sports must attend 2 (two) required shooting practices for archery, bb gun, pellet gun, shotgun, .22 rifle, pistol, and muzzleloader.*
- *All youth members must be present on time to set up and help with clean up for practices to count.*
- *Youth must sign out at practice with instructor to receive credit for the practice. If youth do not sign out, youth will NOT receive credit for attending practice.*
- *Youth must provide their own ammunition. Ammunition will not be provided by club.*

General Information:

Any firearm built or modified to give the impression of a modern military style firearm such as an AR or AK is not allowed in the 4-H Shooting Sports Program. Front pistol grips, heat shield/shroud, and magazines extending more than 2 inches below the receiver are prohibited. Examples of unacceptable firearm components are muzzle brakes, recoil compensators, and suppressors. Ported barrels are permitted on shotguns & pistols. Below are visual examples of firearms that would not be permitted. If you have questions, please contact a certified shooting sports instructor clarification.

Dress code will be followed. Requirements - **blue or dark jeans - NO SHORTS**, and a 4-H T-Shirt approved by the Extension Office or a white shirt with a 4-H chevron. If **Dress Code** is not adhered to, the 4-H member will be dropped one (1) ribbon placing. Appropriate hat or visor and tinted shooting (safety) glasses or sunglasses may be worn. In **shooting sports** projects where ear protection is a requirement, **Ear Plugs or Muffs** must have a **Noise Reduction Rating of not less than 25 Decibels**.

Safety!! More than **three (3)** reprimands at practice, throughout the summer, will be grounds to remove a member from the project. **Unsafe** handling or horseplay of firearms (guns and or bows and arrows) or disregard of safety guidelines will be immediate grounds for disqualification.

All Guns shall be unloaded and have the action open or be unloaded and in a gun case, when brought to practice for to the fair. Guns may be inspected by instructors on arrival at any practice or fair contests. All guns will be placed on provided rack and must remain on rack until the end of the practice or competition.

Only persons working the registration scoring table are allowed around the table after the contest has started until the final tabulation is completed.

No coaching will be allowed from parents/guardians or spectators. All spectators must remain behind barriers.

Red dots are classified as a scope.

All awards will be given at the end of contests i.e. if muzzleloader, small bore and pistol are held together awards will be given at the end of combined contests.

All Around Shooting Sports Award

The 4-H Shooting Sports All Around Award will include the following disciplines: Trap, Smallbore, Muzzleloader, Pistol, BB Gun, Air Rifle and Archery. Youth do not have to compete in all disciplines. Youth will only receive points for the discipline they compete in. Youth will only receive points for the top ribbon per discipline. For example youth will only receive points for top ribbon in muzzleloader modern or traditional not both.

Points will be awarded according to ribbon placing:

Grand Champion – 5 points

Reserve Champion – 4 points

Purple – 3 points
Blue – 2 points
Red – 1 point

In the case of a tie, a shooting sports instructor will randomly draw from the following disciplines: archery, bb gun and air rifle. Youth will then have a shoot off using the randomly drawn disciplines. Awards will be presented at the end of the Shooting Sports Contests during Saturday of the Hitchcock County Fair.

Division:

Junior: 4-H age 8-10 (disciplines will only include bb gun, archery, air rifle)

Intermediate: 4-H age 11-14 (all disciplines)

Senior: 4-H age 15-18 (all disciplines)

Archery Contest

At contest, 2 practice shots will be given at each yardage.

Age Divisions: Junior - 8 - 11 Intermediate - 12 - 14 Senior - 15 - 18

CLASS

Traditional - Recurve or Longbow - No sights, kiss button, stabilizers, or release aids

D347920 - Traditional - Junior

D347921 - Traditional - Intermediate

D347922 - Traditional - Senior

Barebow - Compound Bows - No sights, kiss button, or release aids. Stabilizer less than 12 inches long allowed.

D347923 - Barebow – Junior

D347924 - Barebow - Intermediate

D347925 - Barebow - Senior

Bowhunter Limited - All bows with sights and stabilizers. No release aids allowed in this class. String must be released by fingers.

D347926 - Bowhunter - Limited - Junior

D347927 - Bowhunter - Limited - Intermediate

D347928 - Bowhunter - Limited - Senior

Bowhunter - All bows with sights, stabilizers, and release aids.

D347929 - Bowhunter - Junior

D347930 - Bowhunter - Intermediate

D347931 - Bowhunter - Senior

- No laser sights, range finders, scopes, or binoculars allowed on the range at any time.
- No stabilizers or sights over 12 inches long from the face of the bow permitted in any class.
- No peak bow weights above 60 pounds.
- No crossbows allowed.
- There is no division between male and female competitors. All exhibitors must attend two (2) scheduled practices to participate at the fair. There will **not** be any targets over 40 yards in any classes.
- **Shooting hand shall have one of the following: finger tab, leather shooting glove, or release aid. Bow arm shall have the following: Leather or protective type material arm guard not less than 6 inches long to protect the bow forearm from the slap of the bowstring.**
- Four (4) like arrows, numbered 1-2-3, the fourth arrow is a spare in case of losing an arrow on the range.

Yardage: Junior 15 Yards
 Intermediate 10 - 25 Yards
 Senior 20 - 35 Yards

Scoring: Three (3) arrows per target. Ten 3-D targets will be shot at. Two (2) rounds will be shot.

1 st Arrow Kill	20 points
1 st Arrow Wound	18 points
2 nd Arrow Kill	16 points
2 nd Arrow Wound	14 points
3 rd Arrow Kill	12 points
3 rd Arrow Wound	10 points

BB Gun

At contest, two shots will be given at each position.

- **Age Divisions:** Junior - 8 - 11 Intermediate - 12 - 14 Senior - 15 - 18
- **All Safety** practices must be followed at practice and at the fair. This shooting sport requires **Safety Eye Protection**; refer to shooting sports general information. All exhibitors must attend **two (2)** scheduled practices to participate at the fair.
- BB guns/air rifles will be available to use at the contest or you may use your own BB gun/air rifle for the contest. Must supply your own BB's. Only BB's may be used. No CO2 cartridges or pellets allowed. Guns will be loaded at the time of the contest, **Not Before**. **Only 3 pumps** allowed or it is at the line judge's discretion to allow more. **No scopes** allowed. Exhibits will shoot from four positions: standing, prone, kneeling, and sitting. No part of the competitor's body may touch the firing line. In the prone position, the elbow must be behind the rear edge of the firing line. In the standing and kneeling positions, the entire foot must be behind the firing line. The rifle and other parts of the body may extend beyond the firing line as long as no part of body that contacts the floor rests on or in front of the firing line. BB gun/air rifles will be checked in at the contest by a certified leader.

CLASS

D347932 - BB Gun - Junior

D347933 - BB Gun - Intermediate

D347934 - BB Gun - Senior

Pellet Air Rifle

At Contest, 5 practice shots will be given at yardage of your choice.

- **Age Divisions:** Junior - 8 – 11 Intermediate - 12 – 14 Senior - 15 - 18
- **All Safety** practices must be followed at practice and at the fair. This shooting sport requires **Safety Eye Protection**; refer to shooting sports general information. There is no division between male and female competitors.
- **All classes** shall use Standing (off-hand) Shooting Position, bench rests or slings not will be allowed. Shooter may use only **Three (3) Pumps** in their rifle and **Only .177 (4.5 mm)** caliber pellets.
- **All rifles must shoot a projectile under 500 feet per second.**
- Each exhibitor may enter one (1) and/or both of the two (2) classes. Silhouette targets include Chickens, Pigs, Turkeys, and Rams. Silhouette shooting order is from **Left to Right**. All exhibitors must attend two (2) scheduled practices to participate at the fair.

CLASS

D347935 - Pellet Air Rifle - Junior

D347936 - Pellet Air Rifle - Intermediate

D347937 - Pellet Air Rifle - Senior

.22 Rifle

At contest, 5 practice shots will be given at yardage of your choice per class.

All contestants must be eleven (11) year or older and have completed a **Hunter Safety Class, before practices are started, "Safety Cards will be checked"**.

Age Divisions: Intermediate-11-14 Senior-15-18

- There is no division between male and female competitors.
- There are two (2) classes in the Small Bore (22) Rifle Program. **First class** includes all rifles with open sights. **Second class** includes all rifles with scopes. Each exhibitor may enter one (1) or both of the two (2) classes.
- **All classes** may use may use cross sticks for any position. No bench rests or slings will be used.
- This shooting sport **requires Safety Eye and Ear Protection**, refer to shooting sports general information. All exhibitors **must** attend two (2) scheduled practice shoots to qualify to shoot at the fair.
- No hand loads.

CLASS

D347938 - .22 Rifles - Open Sights - Intermediate

D347939 - .22 Rifles - Open Sights - Senior

D347940 - .22 Rifles - Scopes - Intermediate

D347941 - .22 Rifles - Scopes – Senior

Shotgun (Trap Shooting)

At contest, two practice shots per station will be given.

All contestants must be eleven (11) years or older and have completed a **Hunter Safety Class, before practices are started, “Hunter Safety Cards will be checked”.**

Age Divisions: Intermediate-11-14 Senior - 15 - 18

All rocks or ammunition must be paid for at time of purchase. There is no division between male and female competitors. This shooting sport **requires Safety Eye and Ear Protection**, refer to shooting sports general information. All exhibitors **must** attend two (2) scheduled practice shoots to qualify to shoot at the fair.

CLASS

D347942 – Trap Shooting - Intermediate

D347943 - Trap Shooting - Senior

Muzzle Loader

At contest, 2 practice shots will be allowed at the practice target.

All contestants must be eleven (11) year or older and have completed a **Hunter Safety Class, before practices are started, “Safety Cards will be checked”.**

- **Age Divisions:** Intermediate - 11 - 14 Senior - 15 - 18
- There is no division between male and female competitors.
- There will be two (2) scheduled classes as to the type of **Muzzle Loader Gun** that is used. **First Class:** Traditional Guns; Side Lock (Hammer) type ignition either Flintlock or Percussion Cap, Patch and Round ball only. The **Second Class:** Modern Guns; In-Line or Side Lock type ignition. This class may use Patch and Ball only. **ALL** classes may use Clean Shot Powder, Black Powder or Pyrodex Powder.
- **ALL Classes** shall use Standing (off-hand) Shooting Position and Open Sights except 75 yards and 100 yards may use cross sticks in the sitting, standing or kneeling positions. NO range finders, levels, binoculars, laser sights, slings or smokeless powder allowed on the range at practice or at fair. Each exhibitor may enter one (1) or both of the two (2) classes.
- This shooting sport **requires Safety Eye and Ear Protection**, refer to shooting sports general information. All exhibitors **must** attend two (2) scheduled practice shoots to qualify to shoot at the fair.

CLASSES

D347944 - Traditional - Intermediate

D347945 - Traditional - Senior

D347946 - Modern - Intermediate

D347947 - Modern - Senior

.22 PISTOL CONTEST

- At contest, 5 practice shots will be given at yardage of your choice per class.
- All contestants must be enrolled in the 4-H Small Bore (.22) Pistol Program.
- All contestants must be eleven (11) years or older and have completed a **Hunter Safety Class, "Safety Cards will be checked"**.
- **4-H Shooting Sports Parental Release Form must be signed before practices are started.**
- **Revolvers or semi-automatics will be allowed –The club has two revolvers**
- **Age Divisions:** Intermediate 11-14 Senior 15-18
- There is no division between male and female competitors.
- There is only two classes –
 - Open Sight - Bench Shooting with Rests.
 - Open Sight – Standing Without Rests
- This shooting sport **requires Safety Eye and Ear Protection**, refer to shooting sports general information. All exhibitors **must** attend the safety meeting and two (2) scheduled practice shoots to qualify to shoot at the fair.
- **Guns must be unloaded at all times**, bolts open, chamber flag inserted, clips removed, guns in racks, until it is the shooter's turn at the firing line.
- .22 rim fire only, no "stingers"
- For any malfunctions, dud ammo, etc., after the firing time is over, have gun muzzle in safe direction (downrange), raise a hand to notify range officer of a problem. At that time, the range officer will allow extra time to finish shooting your round.
- Contestants will shoot 20 rounds for the contest, 10 each at chickens and pigs. A tie breaker will be 5 shots at the Pigs and continuing until tie is broken.
- Targets must be knocked down, not just hit.
- Range officers have the option to modify any rules to better suit the group.

Class

D347948 - .22 Pistol (no scope) – Intermediate- Bench

D347949 - .22 Pistol (no scope) – Senior – Bench

D347950 - .22 Pistol (no scope) – Intermediate- Standing off hand- No Sticks

D347951 - .22 Pistol (no scope) – Senior – Standing off hand- No Sticks

D347952 - .22 Pistol Red Dot Scope – Intermediate – Bench with Rest

D347953 - .22 Pistol Red Dot Scope – Senior – Bench with Rest

D347954 - .22 Pistol Red Dot Scope – Intermediate – Standing without Rest

D347955 - .22 Pistol Red Dot Scope – Senior – Standing without Rest

Foods, Nutrition & Food Preservation

General Guidelines

- A. GENERAL-Members may exhibit only in the project in which enrolled. Baked products entered in county fair cannot be entered at State Fair. Products should be baked the day before entry day.
- B. ENTRIES PER INDIVIDUAL - One entry per exhibitor per class.
- C. SUPPORTING INFORMATION - For ALL FOOD PRODUCTS - Each exhibit must include the recipe. Recipe may be handwritten, photocopied or typed. Place the food on the appropriate size plate. Put exhibit in a self-sealing bag. Attach entry tag and recipe at the corner of the bag on the outside. FOR NON-FOOD ENTRIES-Please attach the entry tag to the upper right hand corner of the entry. All additional information including recipes and supplemental information must be labeled with exhibitor's name and county.
- D. CRITERIA FOR JUDGING-Exhibits will be judged according to score sheets available at your local extension office or at <https://go.unl.edu/ne4hfood-nutrition>. 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 or other pre-made mixes entered in other categories will be lowered a ribbon placing.
- E. ENTER FOOD PROJECTS in disposable materials, i.e., paper plate and plastic self-sealing bag. Extension Staff is not responsible for lost bread boards, china or glassware.
- F. INGREDIENTS – Any ingredient that the 4-H'er 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.

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. The following food ingredients are considered unsafe for fair exhibits and will be disqualified: Cream cheese fillings and cream cheese frostings; any meat item including meat jerky, imitation meat bits (bacon bits, pepperoni, etc.); melted cheese toppings, and uncooked fruit toppings (i.e., fresh fruit tart). These food items may result in an unsafe food product by the time the item is judged due to unpredictable heat and/or weather conditions.

Glazes, frostings and other sugar based toppings are considered safe due to their high sugar content. Egg glazes on yeast breads and pie crust BEFORE baking are acceptable. Eggs incorporated into baked goods and crust 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 bit (bacon, pepperoni, etc)**
- **Melted cheese on top of food exhibit (cheese mixed into baked goods in considered safe and will be accepted)**
- **Uncooked fruit toppings (i.e. fresh fruit tart)**

Division 350- General

CLASS

E350001 - Food Science Explorations - 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" by 30"), computer based presentation printed off with notes pages, if needed, and displayed in binder, an exhibit display, a written report in portfolio or notebook. Consider neatness and creativity.

E350002 – Foods, and Nutrition Poster, Scrapbook or Photo Display – 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 reports to highlight the concept. 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 binder, and exhibit display, a written report in portfolio or notebook. Consider neatness and creativity.

E350003 – Physical Activity and Health Poster, Scrapbook or Photo Display – 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 reports to highlight the concepts. 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 binder, and exhibit display, a written report in portfolio or notebook, Consider neatness and creativity.

E350004 – Cooking Basics Recipe File – 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-H'er 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, ect.) will be disqualified.

Division 401- Cooking 101 – No purchased mixes allowed

* County Project Only – not eligible for State Fair Competition.

CLASS

E401901 – **Cookies** (any recipe, 4 on a paper plate)

E401902 – **Muffins** (any recipe, 4 on a paper plate)

E401903 – **No Bake Cookies** (any recipe, 4 on a paper plate)

E401904 – **Cereal Bar Cookie** (any cereal based recipe made in pan and cut into bars or squares for serving. 4 on a plate)

E401905 – **Granola Bar** (any recipe, 4 on a paper plate)

E401906 – **Brownies** (any recipe, 4 on a paper plate)

E401907 – **Snack Mix** (any recipe, at least 1 cup in self-sealing plastic bag)

Division 410 – Cooking 201 –

CLASS

E410001 – **Loaf Quick Bread** – 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 1/2" x 4 1/2" or 9" x 5"**. If mini-loaf pans are used for exhibit, two loaves must be presented for judging.

E410002 – **Creative Mixes** – any recipe, at least $\frac{3}{4}$ of baked product or 4 muffins or cookies on a paper plate or 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** – four biscuits or scones on a small paper plate. This may be any type of biscuit or scone; rolled, dropped. Any recipe may be used, but it must be a non-yeast product baked from scratch.

E410004 – **Healthy Baked Product** – 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** – 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** – 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** - 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/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

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.

CLASS

E411001 – **White Bread** – any yeast recipe, at least $\frac{3}{4}$ of a standard loaf displayed on a paper plate.

E411002 – **Whole Wheat or Mixed Grain Bread** – any yeast recipe, at least $\frac{3}{4}$ of a standard loaf displayed on a paper plate.

- E411003 – Specialty Rolls** – 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** – any yeast recipe, 4 rolls on a paper plate. May be clover leaf, crescent, knot, bun, bread sticks, or any other type of dinner roll.
- E411005 – Specialty Bread** – any yeast recipe, includes tea rings, braids, or any other full –sized specialty bread products. Must exhibit at least ¾ of a full sized baked product.
- E411006 – Shortened Cake** –Must exhibit at least ¾ 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).

Division 412 – Cooking 401

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.

CLASS

- E412001 – Double Crust Fruit Pie** – made with homemade fruit filling. No egg pastries or cream fillings. No canned fillings or premade pie crust. 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** – any recipe, at least ¾ of baked product or 4 muffins/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** – any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate. 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** – any recipe, 4 pieces of candy on a paper plate or ½ 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** original recipe (no mixes) of at least ¾ of the cake. Foam cakes are cakes that have a high ratio of eggs to flour and fall into three categories: angel food cakes, 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** – any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate or 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.

Division 900- Cakes, Cakes & More Cakes – cakes should be displayed on a sturdy board or plate or tray so they won't break. Cakes can be entered with or without frosting. Cakes will be judges as a whole product with or without frosting. **May not use purchased frosting.** Recipes **must** be included. **No fresh fruit, cream cheese or whipped topping may be used as frosting.**

CLASS

- E900901 - Recipe Card File** – Include at least 12 recipes
- E900902 - Butter or Shortening Cake**
- E900903 - Fruit Cake**
- E900904 - Angel Food Cake**
- E900905 - Chiffon Cake**
- E900906 - Sponge Cake**
- E900907 - Mixes Plus Cake**
- E900908 - Special Cake**

E900909 - Weird Cake

E900910 - Frosted Cake – This exhibit will be judged on the frosting – the taste, texture and whether it adds to the flavor of the cake.

E900911 - Original Recipe Cake – Be a pastry chef and create a new cake.

E900912 - Cupcakes – Four Cupcakes – May use cupcake liners, ice cream cones, etc.

E900913 - Educational Exhibit – This is an exhibit, which shows something learned in the project. It could be a comparison between a mix cake and a “scratch” cake, or maybe a study of the different types of frostings, or perhaps a comparison of a simple cake and all the ways it can be changed by adding ingredients or changing ingredients. Use your imagination and be creative. This exhibit may be in any form and any size.

Division 902 - Cake Decorating - Limit of 2 cakes per class per exhibitor. **Only homemade frosting & fondant is allowed in these classes. Recipe Card must be included or will be dropped a ribbon placing.** For display boards, use an appropriately sized and shaped board for the cake.

CLASS

E902901 - Display Board – Showcase your cake decorating skills on a board.

E902902 - Bake and Decorate a one-layer cake

E902903 - Bake and Decorate a Character Cake – Use decorating tips appropriate for the design selected.

E902904 - Bake and Decorate a Two or More Layer Cake – Use a least 3 different types of tips in decorating. You must use the writing, star and leaf tips.

E902905 - Bake and Decorate a Cut-Up Cake

E902906 - Bake and Decorate using tiers of graduated sizes – Each tier should be a two-layer cake or a form that is 2” tall for each layer. Supports, separator plates and pillars may be used.

Techniques learned in previous units must be used to decorate the cake. Artificial stamens for flowers, leaves, wire stems, floral tape, special occasion ornaments, tulle and filler flowers may be used.

E902907 - Gingerbread House – Showcase your skills on a gingerbread house.

E902908 - Decorated Cupcakes – MUST display at least 4 decorated cupcakes.

E902909 - Decorated Cookies (must display 4 decorated cookies on a plate)

Food Preservation

Food Preservation

Rules –

- A. PROCESSING METHODS - Current USDA processing methods and elevation 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.
- B. Jars and Lids - Do not need to be 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 ring should be used. No zinc lids or one-piece lids.
- C. CURRENT PROJECT- All canning must be the result of this year's 4-H project, **not exhibited at previous fair.**
- D. CRITERIA FOR JUDGING-Exhibits will be judged according to score sheets available at your local Extension office or at <https://4hfairbook.unl.edu/fairbookrview.php/rules>. Incomplete exhibits will be lowered a ribbon class. Canned food items not processed according to

elevation in the county will be lowered one class ribbon. Check with your local extension office for your county's elevation and how that affects food processing times and pounds of pressure.

- E. **RECIPE /SUPPORTING INFORMATION** - Recipe must be included, may be handwritten, photocopied or typed. Commercially prepared 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, 2015 version
https://nchfp.uga.edu/publications/publications_usda.html
 - Nebraska Extension's Food Website: <http://food.unl.edu/web/preervation/home> or Extension publications from other states
 - Ball Blue Book (published after 2009) or online:
<https://www.freshpreserving.com/recipes>
- F. **Jars MUST be labeled with name of 4-H'er, county, name of product and date of processing.**

All exhibits must include the 4-H Food Preservation Card (available at www.sw3.unl.edu) attached to the project as the required supporting information or included following information with exhibit:

1. Name of Product
2. Date preserved
3. Method of preservation (pressure canner, water bath canner or dried)
4. Type of pack (raw pack or hot pack)
5. Elevation (and elevation adjustment, if needed)
6. Processing time
7. Number of pounds of pressure (if pressure canner used)
8. Drying method and drying time (for dried food exhibits).
9. Recipe and source of recipe (if a publication, include name and date).

CLASS

Unit 1- Freezing

E406001 – Baked Item Made with Frozen Produce – 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** 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 the project and the baked food item.

Unit 2 – Drying

E407001 – Dried Fruit - Exhibit 3 different examples of dried fruit. Place each dried fruit food (6-10 pieces of fruit, minimum $\frac{1}{4}$ cup) in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E407002 – Fruit Leather - 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 – 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 - Exhibit 3 different samples of dried vegetables. Place each food ($\frac{1}{4}$ cup of each vegetable) in a separate self-sealing bag. Use a "twisty" to keep exhibit together.

E407005 – Dried Herbs - Exhibit 3 different samples of dried herbs. Place each food ($\frac{1}{4}$ cup of each herb) in a separate self-sealing bag. Use a "twisty" to keep exhibit together.

E407006 – Baked Item Made with Dried Produce/Herbs - any recipe, at least $\frac{3}{4}$ of baked product or 4 muffins or cookies on a paper plate or in a disposable pan. Recipe **MUST** include a dried produce/herb item made by the 4-H'er. Example: 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

- E408001 – 1 Jar Fruit Exhibit** - One jar of a canned fruit. Entry must be processed in a boiling water bath according to current USDA recommendations.
- E408002 – 3 Jar Exhibit** - 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** - 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** - 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** - 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** - Three 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**- One jar of a jam, jelly, fruit butter or marmalade. Entry must be processed in a boiling water bath according to current USDA recommendations.
- E408008 – 3 Jar Jelled Exhibit** - Three different kinds of jelled products. Entry may be made up of either pints or half pints. Entry must be processed in a boiling water bath according to current USDA recommendations.

Unit 4 – Pressure Canning

- E414001– 1 Jar Vegetable or Meat Exhibit** - One jar of a canned vegetable or meat. Include only vegetables and meat canned in a pressure canner according to current USDA recommendations.
- E414002 – 3 Jar Vegetable Exhibit** - Three 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** – 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** - Exhibit a minimum of 3 jars to a maximum of 5 jars 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** – 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** – exhibit 3 jars of different canned tomato products (salsas, sauces without meats, juice, stewed, etc.) Entry must be processed in a pressure canner according to current USDA recommendations.

Safety

Division 440 – Safety

CLASS

- E440001 – First Aid Kit** - 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.

Kits containing any of the following will be automatically disqualified:

1. 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.)

2. 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.)
3. Any controlled substance.

E440002 – Disaster Kit (Emergency Preparedness) - 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.

E440003 – Safety Scrapbook - 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 ½" X 11" size paper. Correct sentence structure, readability and thorough explanations are an important part of judging.

E440004 – Safety Experience - 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 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 – Careers in Safety - 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.

Division 450 - Fire Safety

CLASS

E450001 – Fire Safety Poster - 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 -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 - 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"**.

Entrepreneurship

Division 531 – Entrepreneurship Investigation

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. Posters may be laminated to protect them. Loose plastic coverings used to protect the exhibit while being transported will be removed by the superintendent for evaluation and display.

ESI Unit 1 - Discover the E-Scene
CLASS

F531001 - Interview an Entrepreneur - 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 issues? 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).

ESI Unit - The Case of ME

F531002 - Social Entrepreneurship Presentation - 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 printout 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). Refer to page 2.4 of Unit 2 The Case of Me for ideas.

ESI Unit 3 - Your Business Inspection

F531003 - Marketing Package - (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 - with an information sheet (8 ½" x 11") answering the following questions:

1. What did you enjoy the most about making the product?
2. What challenges did you have when making the product? Would you do anything differently next time? If so, what?
3. What is the suggested retail price of the product? How did you decide on the price?
4. Market analysis of the community – data gathered through a survey of potential customers. Use the three questions on page 3.3 and survey at least 10 people in your community about your product.
5. How much would you earn per hour? Show how you determined this figure.
6. What is unique about this Product?

F531005 – Photos of an Original Product- (mounted on a 14' x 22' poster) must include three photos of developed product and mounted information sheet answering the following questions. If exhibiting in both Class F531004 and Class F531005 products must be entirely different products. With an information sheet (8 ½" x 11") answering the following questions:

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

F531006 – Entrepreneurship Challenge – Entrepreneurship Challenge is open to 4-H'ers enrolled in any of the three units of ESI. Complete 5 or more of the challenges from the following list. The exhibit will include highlights from these 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 your 5 challenges from the list below:

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

Horticulture

DIVISION 770 – FLORICULTURE, EDUCATIONAL EXHIBITS & HOUSEPLANTS

Floriculture

Youth must be enrolled in the **World of Flowers** and/or **Annual Flowers** projects to exhibit. Exhibits are limited to ONE EXHIBIT PER EXHIBIT CLASS NUMBER. **Entries MUST be the work of the 4-H member.**

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. For Floriculture, punch hole in the top center of entry tag, use a rubber band to securely attach entry tag to containers.

All Floriculture must be exhibited in a clear glass container, if not exhibit will be dropped on ribbon placing.

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.

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 and of adequate size to display blooms.** (No Plastic containers) 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.

Follow the guidelines in 4-H "Preparing Cut Flowers for Exhibits" 7/20/12, (free download – 4h.unl.edu/preparingcutflowers) when preparing entries for the fair.

CLASS

Cut Flower Annuals and Biennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

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.

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 - 4H Flower Garden Collection - of 5 different 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.

Educational Exhibits

CLASS

G770050 - Flower Notebook 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. 4H'ers 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 4H member's name, age, county, and years in the project(s) must be on the back of the notebook.

G770051 - Flower Garden Promotion Poster - Individual poster promoting flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. if it is not 3dimensional. Posters using copyrighted material will not be accepted. Entry card must be stapled to the upper right-hand corner. The 4H member's name, age, county, and years in the project(s) must be on the back of the poster.

G770052 - Educational Flower Garden Poster - Prepare a poster 14" x 22" x 2" (3dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned about in a 4H flower or houseplant project. One might show a special technique used or equipment incorporated in the garden. Refer to 4H horticulture project manuals but use your own creativity. Entry card must be stapled to the upper right-hand corner. The 4H member's name, age, county, and years in the project(s) must be on the back of the poster.

G770053 - Flower Gardening History Interview - 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 4H member's name, age, county, and years in the project(s) must be on the back of the report cover.

Houseplants –

- Youth must be enrolled in the **Growing Great Houseplants** project to exhibit in classes 60-66.
- Container Grown House plants 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. Houseplants should be grown in the display container for a minimum of six weeks. Plants grown as houseplants must be used. Refer to Neb Guide G2205 "Guide to Growing Houseplants" and G837 "Guide to Selecting Houseplants". Containers of annual flowers or annual plants will be disqualified and will not be judged. Entries in Classes 60-66 must have been designed and planted by the 4H member.
- 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" (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.
- The 4H members name, age, full address, county, and years in the project(s) must be on the bottom or back of the container and saucer (must have and provide a saucer to catch drainage water).

CLASS

- G770060 - Flowering potted houseplant(s)** - 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(s)** – one variety of tropical or cacti or succulent plant. Label with name of plant.
- G770062 -Hanging basket** - of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label with name for each plant.
- G770063 - Dish garden** - an open/shallow container featuring a variety of houseplants excluding cacti and succulents. Label with name for each plant.
- G770064 - Fairy or Miniature Garden** – 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** - an open/shallow container featuring a variety of cacti and/or succulents grown as houseplants. Label with name for each plant.
- G770066 - Terrarium** - a transparent container, partially or completely enclosed; sealed or unsealed. Label with name for each plant.
- G770901 – Potted Plants that exceed 12”** in diameter.
- G770902 – Unusual Container** – Any combination of plants may be used. Examples include boot, toy dump truck, etc. Be creative!
- G770903 - Club Bucket of Beauty** - Container needs to be a white five-gallon bucket filled with black soil. Decorations and cosmetic attachments will be allowed on entries. Buckets need to contain any type of living plants such as blooming, non-blooming, foliage, etc. Creativity will be a plus.
- G770904 – Individual Bucket of Beauty** – Container needs to be a white five-gallon bucket filled with black soil. Decorations and cosmetic attachments will be allowed on entries. Buckets need to contain any type of living plants such as blooming, non-blooming, foliage, etc. Creativity will be a plus.

DIVISION 773 - VEGETABLES, HERBS, FRUITS & EDUCATIONAL EXHIBITS

Exhibits are limited to ONE EXHIBIT PER EXHIBIT CLASS NUMBER. . **Entries MUST be the work of the 4-H member.** 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. 4H'ers with two cultivars or varieties of vegetables may enter only one variety example: exhibitor that has red tomatoes can only enter the red tomatoes class and cannot enter the other cultivar or variety in any other vegetable class. Follow the guidelines in “Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit” 4H 226 (revised 2013) (free download – [4h.unl.edu/ 4hcurriculum/preparingvegetables herbs and fruit](http://4h.unl.edu/4hcurriculum/preparingvegetables herbs and fruit)) when preparing entries for the fair.

CLASS

- 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
 G773943 - Green Tomatoes 5 - County Only
 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 - **4H 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 - **4H 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).
 G773901 - **Dress Your Vegetable** - May use any horticulture/floriculture to make your creation.

G773902 - Vegetable Art - May use any horticulture/floriculture to make your creation.

Herbs - Herbs 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 glass container of water. Potted herb plants will be disqualified and will not be judged.

CLASS

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 herbs. 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 - 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.

G773280 - Strawberries (ever bearers) 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

CLASS

G773290 - Garden Promotion Poster - 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 3dimensional. Posters using copyrighted material will not be accepted. Entry card must be **attached** to the upper right-hand corner. The 4H 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 - Prepare a poster **14" x 22" x 2"** (3dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4H'er has done or learned about in a 4H 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 4H horticulture project manuals but use your own creativity. Entry card must be **attached** to the upper right-hand corner. The 4H 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 - 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 4H member's name, age, county, and years in the project(s) must be on the back of the report cover.

G773293 - Vegetable Seed Display - 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 site references on where the scientific name information was found. The 4H 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 - 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 3ring notebook. The 4H member's name, age, county, and years in the project(s) must be on the back of the report cover or notebook.

Division 775 - Special Garden Project

CLASS

G775001 - Special Garden Project - Educational Exhibit - 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 4H member's name, age and county must be on the back of the poster or report cover.

G775002 – Special Garden Project Fresh Cut Flowers or Harvested Vegetables – The current years' Special Garden Project fresh cut flowers or harvested vegetables should be entered in this class. Refer to classes 001-044 for quantity to exhibit if special garden project is fresh cut flower. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. Flowers and herbs must be cut not potted.

Science, Engineering & Technology

GENERAL INFORMATION

- A. 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 exhibit may be identified if the entry tag is separated from the exhibit.
- B. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4" in thickness. A height of 24 7/8" is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4' X 8' sheet of plywood. Nothing should be mounted within 3/4" of the top or bottom of the board. (Example: Woodworking & Electricity.)
- C. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
- D. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
- E. Demonstration boards should include an overall title for the display, plus other necessary labeling.
- F. All 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.

Division 800 - Entomology -GENERAL INFORMATION -Specimens should be mounted properly and labeled with location and 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 not more than 12" high X 18" wide, 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. No projects over 50 pounds allowed. Recourses can be found at: <https://go.unl.edu/ne4hentomology>

The insect of the year for 2024 is the grasshopper.

CLASS -

- H800001 - Entomology Display** -First-Year Project - 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 - 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 - 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** - Educational display developed according to personal interest and/or advanced identification capability. This also is 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 pest of corn, aquatic insects, insect mimicry, insect galls, insects from goldenrod, insect pollinators, etc.)
- H800005 – Insect Habitats** - 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 Neb Guide: Creating a Solitary Bee Hotel
 - University of Minnesota: Wild Bees and Building Wild Bee Houses
 - National Wildlife Federation: How to Provide Water in Monarch Gardens
- H800006 – Macrophotography** - 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 8 ½" X 11" and mounted on rigid, black 11" X 14" poster or matt 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 be glued below the print on the poster board.
- H800007 – Insect Poster/Display Exhibits** – 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 a 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** – Reports or 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 beehive, observations of insects in a specific habitat, accounts of insect behavior in a forest or flower garden, etc.

H810001 – Special Entomology Project Educations Exhibit – based on what was learned from the project. Present information on a poster no larger than **22" x 28"** either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, full address, and county must be on the back of the poster or report cover. Reports may include life cycle, distribution of the insect, insect behavior (ex. Nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers or lakes). May include a certain species or broad overview of the family or group of insects.

H810002 – Special Entomology Display – the current year's Special Entomology Project pinned species along with a one to two page report of what was learned from researching the insect type. Reports may include life cycle, distribution of the insect, insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers, or lakes). May include a certain species or broad overview of the family or group of insects.

Division 840 – Veterinary Science - The purpose of a Veterinary Science exhibit is to inform the public about a common health problem of animals, a veterinary science principle, or public health/zoonotic diseases.

A Veterinary Science exhibit may consist of a poster, notebook, or a display - The exhibit may represent material from exhibitors enrolled in Animal Disease or Animal Health.

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.

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

- **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 printouts, or empty packaging of pharmaceuticals.
- **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.
- **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.

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. Resources: <https://go.unl.edu/ne4hvetscience> .

CLASS

H840001 - 4-H Veterinary Science Large Animal Poster, Notebook or Display

H840002 - 4-H Veterinary Science Small Animal/Pet Poster, Notebook or Display

STEM – Science, Technology, Engineering and Math –

General Information for all STEM area.

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 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" and not to exceed ¼" thickness. A height of 24 7/8" is acceptable to allow for the saw kerf (width) if two 24" boards are cut from one end of a 4' x 8' sheet of plywood. Nothing should be mounted within ¾" of the top or bottom of the board. (Example: Woodworking & Electricity).
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. Demonstration boards should include an overall title for the display, plus other necessary labeling.
6. 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.

Division 850 –STEM Rockets – Rockets/Drones

- 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 ¾" 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.
- The rockets must be mounted vertically. Please do not attach sideboards or backdrops to the display. 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.
- 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.
- A report protected in a clear plastic cover must include.
 1. Rocket specification (include original or photo of manufacture packaging stating rocket 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.
 7. Conclusions

- 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 show on the rocket. Complete factory assembled rockets will not be accepted.
- 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 sheet. For scoring, 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.
- **The 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) are similar to model rocketry with differences that include the propulsion power and weight increase of the model. They use motors in ranges of "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.
- Posters can be any size up to 28" x 22" when ready for display. Example: trifold poster boards are not **28" x 22"** when fully open for display.
- Youth enrolled in in **STEM Rockets** may exhibit in any class within this division.

Rockets

CLASS

- H850001 - Rocket** - Any Skill Level Rocket with wooden fins and cardboard body tubes painted by hand, or air brush.
- H850002 – Aerospace Display** – 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** - Any Skill Level Rocket with wooden fins and cardboard body tubes painted using commercial application example commercial spray paint.

Self-Designed Rocket

CLASS

- H850004 – Rocket** – Any self-designed rocket with wooden fins and cardboard body tubes.

Drones

CLASS

- H850005 – Drone Poster** – 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 need to operate drones, and the laws and regulations users must follow. Posters can be any size up to **28" x 22"**.
- H850006 – Drone Video** – Exhibit must demonstrate straight how the drone interacts with the outside world. Examples include field scouting, surveying damage from natural disasters, drones used in commercial applications and setting, drones used for structural engineering. Video should not exceed 5 minutes. Exhibitors should test their codes or links on several devices to check for appropriate **permissions for public viewing**.

Division 860 – STEM- Computers

CLASS

Unit 1 -For each of the county only classes, use a half sheet of paper and explain the techniques used in the exhibit.

H860901 - **Cards for All Occasions** – Develop a series of 10 greeting cards for a variety of holiday or special occasions. Use clip art, scanned photos or draw your own pictures.

H860902 - **Graphic Illustration** – Using a software program, make your own drawing and print it.

H860903 - **Photograph Series** – Take a photograph and design a series of 4 to 6 special effects new photos.

H860904 - **Create a Scrapbook or Poster** – Put together a scrapbook or poster on a topic you have investigated on the Web. The topic can be anything. Print the information you found on the web and display it in a scrapbook or on a poster.

H860905 - **Storybook** – Write a story and illustrate it with pictures. Pictures can be original drawings, clip art or photos. Put together in a storybook format.

H860906 - **Design and Print a T-Shirt** – Using a design software program, create a t-shirt design using a combination of graphics and text.

H860907 - **4-H Promotional Sign** – Exhibit should be created on 8½" x 11" page using a commercially available software package. Flier can be color or black & white. Exhibit may be laminated or put in a protective cover.

H860908 - **Promotion Sign** – Open theme. Exhibit should be created on 8½" x 11" page using a commercially available software package. Flier can be color or black & white. Exhibit may be laminated or put in a protective cover.

Computer Mysteries – Unit 2

CLASS

H860001 - **Computer Application Notebook**– 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 should be used 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 descriptions of foods and pricing); book layout (I-book); promotional flyer (3 flyers promoting 3 different events); newsletter (minimum of 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 (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** – 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 not 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 uploaded. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

Computer Mysteries – Unit 3

CLASS

H860003 - **Produce an Audio/Video Computer Presentation** – 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 original video clip. 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 – 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. Videos should be designed for web viewing or may be uploaded to a video streaming application and exhibitors can provide a hard copy or code for public viewing. Any of the following formats will be accepted: .mpeg, .rm, .wmv, .mp4, .ov, .ppt, or .avi. Exhibitors **should** test their codes or links on several devices to check for appropriate permissions.

H860005 – Virtual Platform Presentation – 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. Exhibitors should test their codes or links on several devices to check for appropriate permissions.

H860006 - Create a Website/Blog or App – 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, etc. If the website, blog, or app isn't live, include all files on a flash drive in a plastic case. Exhibitors **MUST** provide a hard copy or QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions for public viewing.

H860007 – 3D Printing – 3D printing uses plastic or other materials to build a three-dimensional (3D) object for a digital design including 3D Pen Creation. Youth may use original designs or someone else's they have re-designed 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 or cookie cutter. Must include design notebook with motivation or problem statement the prototype was 3D printing will include a notebook with the following: Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions.

1. What was the motivation for your design or the problem you were solving with your design? I.e. 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.

H860008 – Maker Space/Digital Fabrication – This project is a computer generated project 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:

- a. What motivated you to create this project
- b. Software and equipment used
- c. Directions on how to create the project
- d. Prototype of plans
- e. Cost of creating project

- f. Iterations or modifications made to original plans
- g. Changes you would make if you remade the project

NOTE: Team entries may be made in H860007 – Maker Space/Digital Fabrication. The work 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 member receiving the same ribbon placing.

Division 861 – STEM- Robotics

Youth enrolled in Virtual Robotics, Junk Drawer Robotics (Levels 1, 2 or 3), Robotics Platforms or GEAR TECH 21 may exhibit in any class within this division.

Creating a video of your robot in action would be helpful for the judges but is not mandatory present as a CD with your robot entry.

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" x 22" when ready for display. Example: tri fold poster boards are not 28" x 22" when fully open for display.

CLASS

H861001 - Robotics Poster - 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-H'er.

H861002 - Robotics Notebook – 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-H'ers learning experience. The notebook should contain at least three pages. Topics could include programming challenge, a programming skill, calibration, sensor exploration, or any of the topics suggested in Class 1.

H861004 - Robotics /Careers Interview – 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 as short video uploaded to a cloud sharing service or videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy or QR code for viewing. Exhibitors are encouraged to 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 – Write pseudo code which includes at least three sensor activity. 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. Videos can also be uploaded to a video streaming application and exhibitors MUST provide a hard copy or QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions for public viewing.

H861007 - Kit Labeled Robot (cannot be free programmed) and Notebook– 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.
4. How they problem solved any issues they might have had during building and programming

A picture story of assembly is recommended.

H861008 – 3D Printed Robotics Parts – This class is intended for youth to create parts, through 3D printing, to help create their robot or aid the robot in completing a coded function. Projects should include notebook describing the process used to create the project, describe the success of your designed piece (did it work), intended use for the product and the modifications made to the item.

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, 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 robots 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. For this class exhibitor will be required to demonstrate their robot for the judge during the county fair judging time. If selected for state fair contact the Extension Office.

Division 870 –SET- Electricity

CLASS

Unit 1 (For classes 901 – 904 please refer to Unit 1 4-H manual)

H870901 - 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.

H870902 - Control the Flow – Make a switch. Use the following items: D cell battery, battery holder, insulated wire, 2 or 2.5 volt light bulb, bulb holder, paper clip, cardboard, and two brass paper fasteners to create a circuit that you can open and close.

H870903 - 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 as an insulator or conductor. You must find five items that are conductors and five items that are insulators. Create a table that illustrates your results.

H870904 - Is there a Fork in the Road – Use the following items to construct one parallel and one series circuit. Items: D cell battery, battery holder, insulated wire, bulb holder and a 2 or 2.5 volt light bulb.

Unit 2 (For classes 905 – 907 please refer to Unit 2 4-H manual)

H870905 - Case of the Switching Circuit – Use the following items: two D cell batteries, two battery holders, light bulb, bulb holder, a 3"x6" piece of cardboard, six brass paper fasteners and approximately two feet of 24 gauge insulated wire to build a three way switch. Write a short essay or create a poster that illustrates how three-way switches function.

H870906 - Rocket Launcher – Construct a rocket launcher out of the following materials: a plastic pencil box that is at least 4" x 8", single pole switch, single throw switch, normally-open push button switch, 40 feet of 18 or 22 gauge stranded wire, 4 alligator clips, 2-by 6-board 6" long, 1/8" diameter metal rod, rosin core solder, soldering iron or gun, wire stripper, small crescent wrench, pliers, small Phillips and straight blade screwdrivers, drill, 1/8" and 1/4" drill bits, rocket

engine igniters, additional drill bits matched to holes for two switches. You must successfully build a rocket launcher and light two rocket igniters with your launcher. You DO NOT have to actually fire a rocket off the launcher. Create a poster using photographs to show the “step by step process” you used to build your launcher.

H870907 - Stop the Crime – Build an **Alarm** using the following materials: On-off push button switch, mercury switch, buzzer-vibrating or piezoelectric, 9-volt battery, 9-volt battery holder, 4" x 4" by 1/8" Plexiglas board to mount circuit on; rosin core solder, soldering gun/iron, two feet of 22-gauge wire, wire strippers, hot glue sticks, hot glue gun and a plastic box with a lid to mount your alarm circuit on. Create a poster using photographs to show the “step by step process” you used to build your alarm.

Wired for Power – Unit 3

H870001 - Electrical Tool/Supply Kit - 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 - 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 - 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 - 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

CLASS

H870005 - Electrical/Electronic Part Identification - 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 - Show an application of one of the concepts learned in the Entering Electronics project. Examples include: components of an electronic device (refer to p. 35 of the Electronic manual).

H870007 - Electronic Project - Exhibit an electronic item designed by the 4-H'er or from a manufactured kit that shows the electronic expertise of the 4-H'er. Examples include: a radio, a computer, or a voltmeter.

H870008 - Poster - Poster should exemplify one of the lessons learned in the Entering Electronics Project. Posters can be any size up to 28" by 22".

Division 880 – STEM- Geospatial - Youth enrolled in Geospatial or GEAR TECH 21 may exhibit in any class within this division.

CLASS

H880001 - Poster - 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 – 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 - 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** - 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, geocoins, 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, 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-** 4-H'ers will assemble a notebook that will include a minimum of 2 digital copies of various 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 management decision.
- H880006 – 4-H History Map/Preserve 4-H History**–Nominate a Point of Interest for the 4-H History Map Project include copy of submitted form in folder or notebook. Write a brief description of the historical significance of 4-H place or person, a minimum of one paragraph. To nominate a site for the 4-H history map please go to arcg.is/1byGogV . For more information about 4-H history go to 4hhistorypreservation.com/History_Map/ for a step video on nominating a point, please go to this link: 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** – Using any GIS software, create a thematic. 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"**, 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** - 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.

Division 900 – STEM- Energy

Resources: <https://go.unl.edu/ne4hphysics-powerofwind>

Class

- H900001 - Create and Compare Energy Resources Poster** – 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** – 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** - 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. Examples include solar ovens, solar panels, etc.
- H900004 - Water as Energy Display/Poster** - 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** – 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** – Notebook should explore Nebraska an 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.

Division 911 – STEM- Woodworking

Woodworking 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.
- 4-H'ers must be in Unit 3 or 4 to exhibit at the State fair
- All projects must have appropriate finish. 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.

Unit 1

CLASS

H911901 – **Woodworking Article** – Item made using skills learned in the Measuring Up Project Guide. Examples include: recipe holder, stilts or other skill level appropriate item. Items should be entered with construction plans.

H911902 – **Display** - exemplifying one of the principles learned in the Measuring Up Project. Examples include: Butting Up, Gluing, and Sanding.

Unit 2

CLASS

H911903 – **Woodworking Article** – Item made using skills learned in the making the Cut Project Guide. Examples include: bird house, foot stool, and napkin or letter holder. Items should be entered with construction plans.

H911904 – **Woodworking Display** – Display exemplifying one of the principles learned in the making the Cut manual. Examples may include: wood grain, chiseling, scroll saws, power sanders.

Unit 3

CLASS

H911001 - **Woodworking Article** – Item should be made using either joints, hinges, dowels, or a dado joining 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** – 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.

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 chose 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** -60% of the project must be wood and 40% made from other materials such as metal, rubber, resin, etc. All plans and plan alterations 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 – Treated wood projects DO NOT have to have a finished coating. All plans and plan alterations must be attached to the article. Protect plans with a cover.

H911006 – Wood Projects Created on a Turning Lathe – 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.

UNIT 4 CLASS

H911007 - Woodworking Article - 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 – 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 engineering design 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?)

Division 920 – STEM - Welding (All metal welding process accepted.)

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.

4-H Welding Project Tips and Suggestions

Class 1

1. All welds should be made with the same electrode/wire/rod size and number.
2. Welds should be made only on one side of metal so penetration can be judged.
3. Welds should be cleaned with chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil.
4. 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 new cold rolled strap iron and cut 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.

5. Stick welding: Suggested coupon thickness- $\frac{1}{4}$ " if using $\frac{1}{8}$ " rod. Suggested rod-AC and DC straight or reverse polarity- first E-7014, second E-6013.
6. MIG welding: Suggested coupon thickness-- $\frac{1}{4}$ " if using .035 wire and $\frac{1}{8}$ " if using .023 wire.
7. Oxy-Acetylene: Suggested coupon thickness-- $\frac{1}{8}$ ". Suggested rod-- $\frac{1}{8}$ " mild steel rod.

Class 2

1. 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 $4" \times 4"$ or on individual coupons that are about $2" \times 4"$ and $\frac{1}{4}$ " 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.
2. 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.

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

CLASS

H920001 - Welding Joints -a display of one butt, one lap and one fillet weld.

H920002 - Position Welds -a display showing three beads welded in the vertical down, horizontal and overhead positions.

H920003 – Welding Art – any art created using tack welds to hold the metal pieces together (examples include horseshoe projects). Type of welder, welder settings, all plans, plan alterations, and a bill for materials 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 -any shop article or piece of furniture where welding is used in the construction. 60% of item must be completed by 4-H'er and notes regarding laser welding or machine welding must be included. Type of welder, welder settings all plans, plan alterations, and a bill for materials 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.

H920005 – Welding Furniture– Any furniture with 75% welding is used in the construction. 60% of item must be completed by 4-H'er and notes regarding laser welding or machine welding must be included. Type of welder, welder settings all plans, plan alterations, and a bill for materials must be attached to the article. Protect plans with a cover. May be displayed outside.

H920006 – Plasma Cutter/Welder Design – Plasma cutters/welders are allowed for detailed design(s) to Butt cut into metal. 4-H'ers will create a notebook describing the design process to create the "artwork" to butt cut into the metal.

In the notebook include: A. a photo (front and back) of the finished project B. Instructions on how the design was created (include software used), this allows for replication of the project.

C. Lessons learned or improvements to the project. D. Steps to finish the project.

H920007 – Composite Weld Project – 60% of the project must be welded and 40% made from other materials such as wood, rubber, etc. All plans, plan alterations, and a bill for materials 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.

Livestock/Animal Rules

- A. **General Rule** - All Hitchcock County Fair General Livestock Rules also apply to 4-H unless otherwise noted. It is the responsibility of the each exhibitor and parent/guardian to be familiar with all applicable rules and regulations.
- B. **Interpretation Of Rules** - The Hitchcock County 4-H Council reserves to itself the final and absolute right to interpret, amend or add to these rules and regulations as its judgment may determine, and to settle and determine all matters, questions and differences in regard hereto or otherwise arising out of, connected with, or incident to the 4-H program.
- C. **Violation** - All exhibitors are bound by the most current editions of the Hitchcock County Fair Rules and Regulations set forth by the Hitchcock County 4-H Council. Any violation of these Rules and Regulations will be subject to disqualification of animal(s); forfeiture of all awards including ribbons, trophies, premiums, booster, incentives, livestock sale premiums; penalties prescribed by law; and/or the owner of the animal barred from future participation until such time a reinstatement is made by the 4-H Council. Penalties apply only to species involved in the incident.
- D. **Disputes & Ruling Of Decisions & Formal Protests** -If any issue arises during the Hitchcock County Fair the 4-H Council President, Class Superintendent(s) and the Extension Staff will rule a decision. Formal Protests must be submitted in writing to the Extension Staff and follow the Hitchcock County Grievance Policy.
- E. **Courtesy & Cooperation** - All exhibitors and families are expected to extend courtesy to other exhibitors and their animals. This includes but is not limited to sharing of show arena for practicing and exercising animals, show ring courtesy, courtesy of space in barns, etc. Any questions that may arise should be referred to the Superintendent of your show division.
- F. **County Fair Pre-Entry Deadlines** - All 4-H pre-fair entries are due in the County Extension Office by entry deadline stated in 4-H Newsletters and 4-H Calendar or entry will not be accepted. To be eligible to compete at the Hitchcock County Fair, all enrollment and entry deadlines must have been met. No exceptions will be made.
- G. **Eligibility Of Exhibitors** - Only those youth enrolled in 4-H in Hitchcock County are eligible to exhibit in the county fair 4-H areas. See 4-H General Rules and Guidelines for participation requirements and age divisions in County Fair and State Fair.
- H. **Eligibility Of Animals** - All animals exhibited must be nominated (identified) with the Extension Office on appropriate nomination papers by the deadline (see Ownership of Animals). Should any individual enter an animal in a name other than that of a bona fide owner or attempt to perpetuate a fraud by misrepresenting any fact, the entry thus made shall not be allowed to compete for or receive any award, and the owner shall be barred from this show until reinstated. Any 4-H project animal that has been offered for auction, where the intent of the auction is change of ownership, is ineligible for the 4-H livestock classes at the Hitchcock County Fair or the Nebraska State Fair.

All beef, sheep, goats and hogs MUST be tagged BEFORE entering the fairgrounds. Animals without tags will not be allowed to weigh-in or check in for shows.

Special Animal Ownership Option - 4-H Council Permission may be given to youth who do not have ownership of animal. For example, a youth who does not have the resources (money/stalling) to own the animal and keep on their own premises, may receive special permission from the 4-H Council to show in the regular 4-H classes. Each case must be presented to the 4-H Council before the time of registration (weigh-in or ID sheet due date). The exhibitor must be a primary caretaker of the animal and must exhibit a log stating the time worked with the animal. The log will need to be signed by a 4-H Council approved leader or volunteer. The log must show 75 hours of work for beef, 60 hours of work for sheep, and 50 hours of work for hogs with the majority of time spent in June and July with training.

- I. **Ownership Of Animals** -All livestock and horse must be owned by the exhibitor nominated on proper forms and turned into the local Extension Office by June 1. For State Horse Show all horses must be identified by June 1 For State Fair all livestock must be nominated online at showstockmgr.com by June 15. All market animals (beef, sheep, Hog & meat goats) must have a hair sample for DNA testing returned to the local Extension Office by June 15. 4-H'ers planning to exhibit at County or State Fair are responsible for following all guidelines set forth by the specific shows.
- J. **Weigh In** -All Market Livestock will be weighed in on entry day and shown according to weight. Methods used on animals which do not provide true weight or appearance will also be disqualified. **All beef, sheep, goats and hogs MUST be tagged BEFORE entering the fairgrounds. Animals without tags will not be allowed to weigh-in or check in for shows.**
- K. **Stalling of Animals** - All beef, sheep, goat & hogs including all market, breeding & dairy must be stalled on the fairgrounds by 7:00 p.m. on Wednesday of the Hitchcock County Fair. Check-in for livestock will be held Wednesday of fair from 6:00 – 7:00 p.m. If there is a question on the weight of market animals at weigh-in, the 4-H'er and/or parents, livestock superintendent and Extension staff may re-weigh the animal on the scale within 20 minutes of being weighed in. Food and water may not be given during that time between original weigh-in and re-weigh. Bucket Calves and Feeder Calves may come the day of the show and be released following the show unless they will be participating in the livestock premium auction. All animals participating in the livestock premium auction must remain on the fairground for the entire fair to be eligible.
- L. **ANIMAL WELFARE:** The Hitchcock County Fair is committed to the humane treatment of all animals exhibited at the Fair. Every possible precaution is taken to ensure the animals' safety and well-being. The production practices in the livestock industry are based on good principles of animal husbandry. It is the responsibility of all exhibitors to provide proper care and treatment to animals. Abuse of animals in any form will not be tolerated. No electric prods will be allowed to be used on any animal at any time. Muzzles may be allowed for sheep or goats only for the safety and well-being of the animal. No spiked collars and or show halters with spikes in 4-H or FFA. Drench guns (non esophageal) may be used. Hitchcock County Fair and 4-H Council reserves the right to disqualify and remove any exhibitor deemed in violation of the basic principles of animal husbandry, with no recourse.
- M. **Substitutions** - Substitutions between divisions are not allowed (i.e. a market lamb cannot be substituted for a breeding sheep entry). And a market animal cannot also be shown as a breeding animal and vice versa. An animal must be shown by the 4-H owner who entered it unless the exhibitor is excused by the Division Superintendent because of serious illness, disability due to an injury (e.g. broken arm or leg). An exhibitor who has more than one animal in a class need not secure approval for another 4-H member, eligible to exhibit livestock, to show the additional animal in the class. Substitute showmen must be a 4-H member exhibiting at the current Hitchcock County Fair. All substitute showmen should wear an exhibitor number identifying him/her as a substitute showman.
- N. **Only Purples Can Be Champions** - Any beef, sheep, Hog, meat goat, dog, companion animal, poultry or rabbit entry must be awarded a 1st or 2nd **purple** ribbon in a class to be eligible to compete for champion or reserve champion.
- O. **Back Tags** - Each 4-H exhibitor will have their own unique number printed on a back tag. Exhibitors must have this number on their back while exhibiting animals. No number harnesses are allowed to be worn.
- P. **Youth for the Quality Care of Animals (YQCA)** - All exhibitors in beef, meat goats, poultry, rabbits, sheep and Hog must have received YQCA training or testing through a UNL Extension program prior to the fair. Program attendance or completion of online module is required. Completion of training will be certified by county extension staff.
- Q. **Grooming Of Livestock** - Preparation and grooming of an animal should be the primary responsibility of the 4-H exhibitor, however assistance may be provided by other Hitchcock County fair 4-H exhibitors and/or immediate family members including: brothers, sisters and/or parents/legal guardian of the exhibitor. No professional groomers will be allowed.

All livestock shows will be **Blow and Go**; animals may be clipped, blown and brushed or combed to enhance their appearance. Guidelines for the Blow and Go show:

1. All animals will be shown free of any adhesive, glue, paint, or powder products.
2. Any compounds that have adhesive qualities that when applied cannot be combed or brushed through, or alter the color of the animal are forbidden.
3. Alcohol, water, oil, foam or any water or alcohol-based products with no adhesives or glue qualities, or artificial colorings are permitted. Paint will be allowed on the scurs, hooves, and dewclaws only.
4. Any animal found to have prohibited products applied (adhesive, glue, paint, or powder products) will be disqualified from competition. Any premiums (physical or monetary) will be forfeited and no refunds will be made.

All animals will be subject to visual inspection and/or toweling (before and/or after entering the show ring) using a disposable blue shop towel for the presence of adhesive, glue, paint, or powder products. Toweling of the animal may include, but is not limited to, the topline, legs, chest, belly, flank, and cod/udder areas. If, after inspection, the animal is found to have adhesive, glue, paint, or powder products applied it will be disqualified from competition. Any premiums (physical or monetary) will be forfeited, and no refunds will be made.

Q. Animal/Exhibitor Disqualification: To foster fair competition, to provide a level playing field and to protect the safety of food, the following will be prohibited: the showing of unethically fitted animals, animals in violation of rules on prohibited substances, and/or falsification of records. Additionally, any animal that has been administered a drug that is FDA approved for its species is subject to disqualification if that animal tests positive for that drug upon arrival at the Nebraska State Fair. All animals must remain free and clear of all drug and chemical residues while on the grounds.

Unethical Fitting:

1. **Description:** Unethical fitting means any attempt to alter the natural appearance, conformation, musculature or weight of an animal by any unnatural means, as well as changing the normal conformation of any part of an animal's body or using drugs, medications, chemicals, or other substances (including over the counter and extra-label substances and uses), or mechanical devices to alter the physical makeup or performance of the animal. Unethical fitting includes, but is not limited to the following:
 - i. Treating or massaging any part of the animal's body, internally or externally, with an irritant, counterirritant, or other substance to temporarily improve conformation. This includes the application of any substance per rectum.
 - ii. Balancing the udder by any other means than natural milk left in any or all quarters.
 - iii. Blocking the nerves to prevent limping or switching of the tail.
 - iv. Bruising or blemishes to the animal, especially those that negatively impact food safety or marketability of an animal's carcass.
 - v. Surgery or other practices performed to change the natural contour or appearance of an animal's body, hide, hair or feet (this includes materials added to the feet of an animal) except the removal of warts or horns and the permitted clipping of hair and trimming of hooves.
 - vi. Insertion of foreign material under the skin, whether gas, solid or liquid.
 - vii. Changing the color of hair, spot or area on the animal's body.
 - viii. The act of artificially filling animals internally, which would include stomach pumping, drench tubes or any other method per esophagus.
 - ix. The use of diuretics.
 - x. Administration of an illegal, unapproved or performance enhancing drug internally or externally.
2. **Verification:** All 4-H and FFA livestock exhibitors must submit a signed ethics affidavit and statement of disclosure for each species they are exhibiting at the time of check in. This form shall serve as an acknowledgement of having read the fair/premium book and a willingness to abide by it. By submitting and signing the Hitchcock County Fair 4-H/FFA Livestock Ethics Form and Statement of Disclosure, the exhibitor and parent/guardian certify that the entry has not been administered or that the exhibitor and/or parent/guardian do not have knowledge that this entry

has received any substance not approved by the Food and Drug Administration (FDA) and/or the U. S. Department of Agriculture (USDA) for food animals. Furthermore, by signing these forms, the exhibitor and parent/guardian certify that this entry is free and clear of drug and chemical residue that exceeds allowable limits set by the Food and Drug Administration (FDA) and/or the U.S. Department of Agriculture (USDA) for class and species of animals. If an exhibitor discloses use of a substance that does not meet the withdrawal time per the determination of the a Veterinarian, then that animal is subject to disqualification.

3. **Approved Medication Prior to the Show:** In instances where an animal has been administered a drug that is FDA-approved for its species, the exhibitor must be aware that the time it takes for all drug residue to completely clear the system is generally longer than labeled withdrawal time for most drugs and varies from animal to animal. Adequate time must have passed so that an exhibitor's animal is outside the withdrawal time of the medication. Once the animals arrive on grounds, they must remain free and clear of all residues of medications, drugs, chemicals and other substances. It will be considered a violation if a test result indicates the presence of an approved drug, additive or contaminant that exceeds a residue limit (tolerance) set by the FDA and applied by the FSIS.
4. **Unapproved Medication:** Those animals that have consumed or been given, even under the care of a licensed veterinarian, any type of unapproved drug, chemical or medication are prohibited from showing. Such drugs include, but are not limited to any diuretic, unapproved growth stimulant, steroids, caffeine, and other unapproved medication. Unapproved means not approved by the Food and Drug Administration and/or US Department of Agriculture for animals. It is the responsibility of the exhibitor to be aware that federal law prohibits the use of certain drugs, families of drugs, and substances for extra label use. It will be an increased penalty if a market animal tests positive for any of these prohibited drugs or drug families.
5. **Medication during the Show:** All medication and treatment administered during the Hitchcock County Fair must be administered by the official Veterinarian and a written medication record filed. Furthermore, a Veterinarian, in agreement with show management, reserves the right to treat any animal, if in the opinion of the Veterinarian, it is in the best interest of the animal's health and well-being to be treated.
6. **Beta-Agonists:** The Hitchcock County Fair will not tolerate the presence of ractopamine hydrochloride (re Optaflexx, Paylean) in market entries other than market beef or market swine, respectively. The Nebraska State Fair will not tolerate the presence of any other beta-agonist.
7. **Inspection/Testing:**
 1. Each exhibitor, by entering or exhibiting an animal at the Hitchcock County Fair, agrees that any animal entered by him or her may be subjected to inspection or examination by any veterinarian appointed by the Hitchcock County Fair. The Hitchcock County Fair may subject any animal to tests, sample-takings, or inspections the at the Hitchcock County Fair deems necessary and appropriate, including but not limited to testing for drugs or other substances at any time. The Hitchcock County Fair reserves the right to conduct or have conducted for all its tests, inspections, or analyses it deems appropriate, including blood, urine, hair, fiber, tissue, milk, saliva and/or fecal. Any samples taken for testing become property of the Hitchcock County Fair. Positive test results may be made public. The Hitchcock County Fair may impound any animal for testing. Refusing such tests shall be cause for disqualification.
 2. The animal owner, exhibitor, fitter and associated participants bear absolute responsibility for an animal's condition, whether he or she was actually instrumental or had actual knowledge of the administration of drugs or medication or treatment of the animals.
8. **Wholesome Meat Act:** The United States Department of Agriculture Wholesome Meat Act applies to ALL market livestock exhibited at the Nebraska State Fair.
 1. Animals must be in good health and carcasses free of drug or chemical residues.
 2. Antibiotics and sulfonamides have required withdrawal periods.
 3. Drug label directions for use and withdrawal periods must be followed. Please note that elimination time (the time it takes for no drug residue to be found in the system) is generally longer than the labeled withdrawal period for most approved drugs.
 4. If drug or other chemical residues are found in tissue of carcasses, the entire carcass may be condemned.

5. The 4-H Council, Hitchcock County Ag Society, or Hitchcock County Sale Committee shall not be liable or responsible for the condition of the carcass or the sale price of the animal.

6. Wholesome Assurance Statement:

a. The use by non-veterinarians of any animal drugs or other substances in any manner other than in accord with labeling approved by FDA is a violation of federal law.

b. Any food animal must not exceed FDA/EPA/USDA established tolerances for any foreign substance including drugs, pesticides, feed additives, or other chemicals.

d. Any misrepresentation of a food animal that can potentially affect the acceptability of the carcass or milk will be considered fraud.

- R. **Dress Code** - Beef, Hog, sheep, dog, rabbit, poultry, and small animal exhibitors must wear the official 4-H shirt sold at the Extension Office or a white shirt (or blouse) with the 4-H chevron, armbands will not be accepted. If a chevron is worn, it is to be placed on the left side of the shirt (not on the sleeve). No hats, caps, or other types of headgear are to be worn. Hard soled boots or shoes are suggested for safety purposes. Only dark colored jeans are permitted when showing livestock. Belt is suggested. No number harnesses are allowed.

Horse exhibitors must wear armbands on a white shirt (or blouse) on the left arm above the elbow. A western hat must be worn. Dark blue denim jeans are to be worn. Belts are recommended. Hard soled boots or shoes are suggested for safety purposes. Specific guidelines in the 4-H Horse Show and Judging Guide 4-H 373 will be followed apart from optional armband. Boot tennis shoes will not be acceptable.

All exhibitors not following the dress code will be dropped one ribbon placing.

- S. **Stalls And Pens** -Assignment of stalls and pens will be made by the species Superintendent. You must stall in assigned stall or pen. Bedding will not be provided. The Hitchcock County Ag Society recommends the use of straw or wood chips bedding for all livestock exhibits. Exhibitors must clean out all pens and stalls immediately after exhibits are released from county fair. This includes the Pen of 3 barn pens. All pens/stalls must be cleaned by 10:00 a.m. on Sunday following county fair.
- T. **Animals Must Stay In Fenced Area** - All animals must remain within the fenced area around the livestock barns and show arena. No animals will be allowed in parking areas or trailers. All trailers and vehicles must be parked in designated parking areas.
- U. **Care For Animals** -Animals must be securely tied in stalls or in pens unless exhibitor is with animal. All animals must be properly feed and watered throughout the fair. Stall and pens need to be cleaned daily and the stalls/pens must be cleaned by the exhibitor at the end of the fair. This includes the pen of 3 barn, beef barn and sheep, goat, hog pens.
- V. **Safety** - If an animal is deemed dangerous by recommendation of the Livestock Superintendents, the owner may be subject to any or all of the following penalties: 1) Dismissal from the fairgrounds, 2) Animal tied in barns at all times, 3) Lowered ribbon placing. Animal must be lead into the ring by exhibitor to be judged with exception of pen of 3 calves. Special circumstances may be given in cases of exhibitor injury. Approval before show is needed.
- W. **Judges/Judging** - If any exhibitor interferes with the judges in the performance of their duties by letter, act or otherwise he/she shall be excused from competition and exhibition for such period of time as the 4-H Council may determine and forfeit any awards received at this fair. Any person, not an exhibitor, who interferes with the judges in any manner during the performance of their duties, shall be asked to leave the fairgrounds.
- X. **Health** - Superintendents are authorized to refuse any animals showing signs of infections, contagious, communicable diseases or which are otherwise dangerous to other people or animals being shown.
- Y. **National Code Of Show Ring Ethics** - The Hitchcock County Fair will impose all rules of the International Association of Fairs & Expositions (IAFE) National Code of Show Ring Ethic. Any violation of the Code of Show Ring Ethics will result in forfeiture of all premium/booster/incentive monies and awards. The Hitchcock County 4-H Council holds the right to determine other penalties deemed necessary.

Herdsmanship - Each individual family will compete for Herdsmanship. You do not need to pre enter for herdsmanship. Ribbon ratings and prizes will be given out by each species. In the 4-H Division all awards will be made on a group (family) basis according to merit. A judge will be present at random times each day of county fair to judge herdsmanship. Consideration will be given to the general appearance, sanitation, neatness and individual names above exhibits.

The following point system will be used.

- 50% - Cleanliness of alley and stalls. Stalls: clean and neat; bedding clean and fresh; feed and feed pans and buckets clean and in place. Alleys: exhibitor's share if alley area kept clean; kept free of equipment; dust kept under control with proper sprinkling.
- 20% - Arrangements of exhibits including feed, tack and show equipment.
- 20% - Exhibit identification signs and awards clearly in place.
- 10% - Courtesy and conduct of exhibitor(s).

Herdsmanship will begin Thursday morning and final Herdsmanship will be checked on Sunday after final clean-up.

Ultrasound: Youth exhibitor or family member must be present and take their animals to be ultra-sounded to be eligible for the carcass contest. No animals will be ultra-sounded without exhibitor or family member present.

Showmanship

- Showmanship animals must be an animal exhibited in another class by exhibitor who entered and shows the animal. An animal can only be shown in one showmanship class. 4-H'ers are not allowed to wear hats in the show ring when showing livestock.
- Judging will be based on fitting, training and showmanship rather than on the excellence of the animal.
- See 4-H General Rules and Guidelines for age divisions.

Round Robin Contest

1. **Purpose** - The purpose of this contest is to determine the livestock showman with the best multi-species skills in animal showmanship. There will be three divisions: Junior, Intermediate and Senior. The divisions will consist of all showmanship champions from each of the four species (beef, sheep, hogs and goat). If there is only a junior and senior division of showmanship in a species and there are no intermediate aged showman receiving a purple, the Junior will show in Junior (8-11) Round Robin and Senior (12-18) will show in Senior Round Robin.
2. **Eligibility** - The Champion showman from each species in the senior, intermediate and junior division of the beef, sheep or Hog show will be eligible. An individual is only able to show one species. If qualified in more than one, the contestant will choose which one species to show unless there is not a Reserve Champion in a species. In the case where a Reserve Champion is not available then the Champion will show with that species. If the individual who has qualified has a conflict or otherwise wishes not to participate in the contest, then the next highest ranking individual in that species will be eligible to compete provided that a purple ribbon was earned. If a purple ribbon showman is not available, that species will not be represented. Exhibitors are eligible to participate in this contest as often as they qualify even if they have won the contest before.
3. **Species** - Species eligible to participate in this contest are beef, sheep, goat and Hog.
4. **Animals** - A livestock committee will be responsible for lining up animals that do not belong to any of the youth participating. None of the participants can use their own animal. Competition will be a blow and show event. No grooming may be done other than brushing and removing dirt. Participants will not be judged on grooming.
5. **Judging** – There will be four rotations. In all rotations, contestants will be judged on:
 - A. Showmanship - 5 points
 1. Control of animal by exhibitor
 2. Poise and coolness of exhibitor
 3. Skill in showing
 - a. Continuous attention

- b. Keeping animals placed to advantage
- c. Keeping themselves in proper position
- B. Questions may be asked by the judges - 5 points
- C. Exhibitor's Appearance - 5 points
 - 1. Appearance (neat, clean & appropriate for department)
 - 2. Attitude
 - 3. Courtesy (to officials and other exhibitors)

Scores will be added together from each species. The highest score will result in being the Champion Round Robin Showman.

- 6. **Tie Breaker** - In the event that two or more exhibitors complete the competition with the same overall total score, the tie breaker will be the total points earned for the species they were selected for the Round Robin Contest in.
- 7. **Dress** – Exhibitors must follow 4-H dress code. Exhibitor numbers will be provided numbers and must be worn on the back of each 4-H exhibitor.
- 8. **Prize** - The exhibitor with the most points at the end of the contest in the Junior, Intermediate and Senior Divisions will be deemed the Round Robin Showmanship Champion and receive an embroidered jacket to be given at achievement program. The reserve champion will receive a trophy.

Division 923 – Beef

- A. All Market Beef, Pen of Three Beef, and Breeding Heifers must be in barns on Wednesday of County Fair by 7:00 p.m. Cow/Calf Pairs and Bucket Calves may be brought on Wednesday or day of show.
- B. All cattle must stay on the fairgrounds until official release time (posted in the barns) except either a dam and offspring or a single offspring that is still nursing may be entered in the fair on show day and then released following the show to return home (i.e. cow/calf pairs, bucket calves, stocker feeders)
- C. All animals selling in the sale must remain on fairground from check in through official release time. They may not release early.
- D. Handling Equipment - Halters with throat straps, nose leads, barbed or studded show halter chain leads and other equipment determined to be distracting or severe to the animal by the division superintendent will not be permitted.
- E. Definition of Market Beef – Market beef may be heifers or steers. Short Scrotum, cryptorchid males are not eligible for show as market beef

Beef Showmanship

G923970 – Senior Beef Showmanship

G923980 – Intermediate Beef Showmanship

G923990 – Junior Beef Showmanship

Market Beef

All market beef are required to be born on or after January 1 of the previous year.

CLASS

G923904 - Market Steer (classes will be broken by weight)

G923920 - Market Heifer (classes will be broken by weight)

Pen-Of-Three Beef -

Must include 3 market beef. The market beef must be weighed at spring weigh-in and again at the county fair. They do not need to be halter broke but tame enough to be calm in a pen. The animals will be evaluated on:

- 1. Quality of the animals
- 2. Uniformity of the pen
- 3. Market readiness

G923921 - Steer Pen-Of-Three

G923922 - Heifer Pen-Of-Three

Feeder Calves

A feeder calf is a steer or heifer that has never been bottle fed and remains with their mother. These calves are being raised with the intent to feed out for market not be raised a replacement stock. Calves from Cow/Calf Pairs may be shown as Feeder Calves. Feeder calves may not be dual entered in Junior Breeding Heifer Class.

- Each member may exhibit only two feeder calves.
- All 4-H feeder calves must be owned by the 4-H'ers or the immediate family or follow special permission guidelines.
- Calves must be born between January 1 – June 1 of the current year
- Calves that have never been bottle fed and remain with mother.
- Calves will be shown by steer, heifer or bull. They will also be shown by month born permitting there is enough calves to break classes.
- Calves from Cow/Calf Pairs may be shown as Prospect Calves

CLASS

G923930 – Feeder Calf – Steer

G923935 – Feeder Calf – Heifer

G923940 – Feeder Calf – Bull

Bucket Calf - A bucket calf must be an orphan or newborn calf not on it's mother; male or female; dairy, beef, or cross; hand fed with nipple bucket or bottle. Calf maybe weaned from bottle and just on feed. Calf must be born with in January 1 to June 1 of the current year.

The animals will be judged on

- a) health and condition of calf
- b) showmanship, which includes how clean the animal is (this is not a fitting contest)
- c) knowledge of project
- d) tameness of the calf.

All calves will be shown in a halter and the 4-H'er may or may not use a show stick. Project is limited to 4-H'ers 8-11 years old only. Bucket calves cannot be shown in Junior Showmanship. Bucket Calves may be released immediately following the show. Calves should be washed and combed only. Clipping is optional.

CLASS

G923941 - 8 and 9 Year Old Youth

G923942 - 10 and 11 Year old youth

Breeding Beef

All breeding heifer classes will be broken by age. Classes may be broken down into smaller classes than listed if deemed necessary due to class size. Junior Breeding Heifers are being raised with the intent to become replacement heifers. A Junior Breeding Heifer may not be dual entered as Feeder Heifer.

Classes

G923943 – Senior Yearling Heifers – Born August thru December 2021 (Should be bred but not calved prior to show)

G923944 – Yearling Breeding Heifer – Born January – February 2023

G923945 – Yearling Breeding Heifer – Born March – April 2023

G923946 – Yearling Breeding Heifer – Born May - June 2023

G923947 – Yearling Breeding Heifer – Born July - August 2023

G923948 – Fall Breeding Heifer – Born September – October 2023

G923949 – Fall Breeding Heifer – Born November – December 2023

G923950 – Junior Breeding Heifer – Born January – February 2024

G923951 – Junior Breeding Heifer – Born March – April 2024

G923952 – Junior Breeding Heifer – Born May – June 2024

G923953 - Cow/Calf Pair – This is heifer with first calf pasture conditioned. No grooming. Up to two pair may be shown.

G923954 - Cow/Calf Pair with 2nd Calf or more – This is a cow with her second or greater calf that is pasture conditioned. No Grooming. Up to two pair may be shown.

Dairy Cattle Showmanship

G923960 – Dairy Cattle Senior Showmanship

G923961 – Dairy Cattle Intermediate Showmanship

G923962 – Dairy Cattle Junior Showmanship

Dairy Cattle

CLASS

G923963 – Dairy Calves (12 months & under)

G923964 – Dairy Yearlings (over 12 months to 24 months)

G923965 – Mature Dairy Cow (over 24 month) milking or non-milking

Sheep

- A. Showing & Handling Practices - The use of showing and/or handling practices that may be considered objectionable or abusive, such as striking or slapping lambs and exhibiting the lamb with its front feet off the ground, are not acceptable. The use of such practices may result in the lowering of a ribbon placing. (Lifting the lamb in a fluid motion to set the front legs prior to quickly setting the feet back on the ground is acceptable.)
- B. Club Lamb Fungus Inspection - All sheep exhibits (breeding and market) will be inspected for evidence of club lamb fungus. Exhibits determined to have "active" club lamb fungus will not be eligible to show and will be sent home.
- C. Minimum Age Requirement - All market lambs are required to be born on or after November 1, 2022
- D. Definition of Market Lambs - Wether and ewe lambs are eligible for market classes. Short scrotum, cryptorchid or ram lambs are not eligible as market lambs.
- E. Scrapies Tags for Sheep - All ewe (breeding and market) and rams must have the scrapie tags before they will be able to be tagged and identified to be eligible to compete at any 4-H show. All tags must be in place to exhibit at the county fair.
- F. No bucks can be shown in Market Lamb classes.
- G. Market Lamb Classes will be broken by weight. Ewes and wethers will show together in the market classes.

Sheep Showmanship

G927970 – Sheep Senior Showmanship

G927980 – Sheep Intermediate Showmanship

G927990 – Sheep Junior Showmanship

Market Lamb

G927904 - Market Lambs

Breeding Sheep

G927920 - Breeding ewe lambs under 1 year

G927921 - Breeding ewe yearling 1 year and older but under 2 years

G927922 - Breeding ewe aged older than 2 years

G927923 - Breeding ram lambs under 1 year

Division 19 - Pen-Of-Three Sheep

- 1. Sheep can be in both, a Pen-of-Three and in an individual Market Class. Must be a Market Animal.
- 2. There will be one class and youth may mix sexes of lambs as needed.
- 3. Awards will be based on the three lambs.
- 4. Lambs must be exhibited in pens at the Hitchcock Co. Fair to receive awards.
- 5. Siblings may combine pens only if an exhibitor does not have a pen of three of their own and one exhibitor may exhibit the combined pen.

G927924 - Sheep-Pen-of-Three

Goats

- A. **Showing & Handling Practices** - 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.)
- B. **Neck Chains & Halters** - Goats are to be shown with either a halter, smooth neck chain, or smooth collar only. Spike collars are not acceptable and will result in the lowering of a ribbon placing.
- C. **Horns** - Goats must have horns blunted. Dehorning is acceptable and preferred.
- D. **Minimum Age Requirement** - All market goats are required to be born on or after November 1, 2022. Market goats are to have milk teeth and there shall be no evidence of breaking of the skin or eruption of the two permanent front teeth.
- E. **Definition of Market Goats** - Market goats may be doe or wether kids. Short scrotum, cryptorchid or buck kids are not eligible as market goats.
- F. **Scrapies Tags for Goats** - All does (breeding and market) and bucks must have the scrapie tags before they will be able to be tagged and identified to be eligible to compete at any 4-H show. All tags must be in place to exhibit at the county fair.
- G. No bucks can be shown in Market Goat classes.
- H. Market Goat Classes will be broken by weight. Does and wethers will show together in market classes.

Goat Showmanship

G900970 – Goat Senior Showmanship

G900980 – Goat Intermediate Showmanship

G900990 – Goat Junior Showmanship

Meat Goats

G900904 – Meat Goats

G900919 – Breeding Doe Kids under 1 year

G900920 – Breeding Yearling Doe-meat goat breeds 1 year and over but less than 2 years

G900921 – Breeding Aged Doe-meat goat breeds older than 2 years

G900922 – Yearling Buck under 1 year

Dairy Goats

G900930 – Dairy Doe kid under 1 year

G900931 – Dairy Doe yearling 1 year and over but less than 2 years

G900932 – Aged Dairy Doe older than 2 years

Other Goats

G900923 – Other Goat –pygmy & pet

Hog

- A. Market classes will be broke by weight. Barrows and Gilts will show together in market classes.
- B. Breeding Gilt classes will be broke by weight.
- C. Driving Instruments: Driving instruments are to be used for the purpose of directing barrows/gilts while they are in transit throughout the barn and while they are being exhibited in the show ring. Exhibitors are to treat animals in a humane manner at all times and Show Management will provide a warning to any exhibitor deemed to be in violation of this basic principle of animal husbandry. Any exhibitor who fails to heed the warning will be disqualified and removed from Show grounds.
- D. Hog to be exhibited shall originate directly from a herd not under quarantine. Under no circumstances may Hog under quarantine be exhibited. Only Hog, not showing signs of infectious, contagious, and/or communicable diseases, will be allowed to show.
- E. Hogs will be permitted to be taken home. The 4-H Council is not responsible for any contagious and/or communicable diseases that may be passed on.

- F. A 4-H member will be limited to exhibiting a total of four market hogs. Market hogs may be either barrows or gilts.

CLASS

Hog Showmanship

G925970 – Hog Senior Showmanship

G925980 – Hog Intermediate Showmanship

G925990 – Hog Junior Showmanship

Market Hog

G925904 - Market Hog

Breeding Hog

G925920- Breeding Gilt

Gilts may be nominated (identified on proper forms) on a breeding gilt or market hog form.

Pen-Of-Three Hog

1. Hog can be in both a Pen-of-Three and in an individual Market Class. Must be a Market Animal.
2. There will be one class and youth may mix sexes of pigs as needed.
3. Awards will be based on the three pigs.
4. Hogs must be exhibited in pens at the Hitchcock Co. Fair to receive awards.
5. Siblings may combine pens only if an exhibitor does not have a pen of three of their own and one exhibitor may exhibit the combined pen.

CLASS

G925930 - Pen-Of-Three Hog

Rate of Gain Contest

The rate of gain contest will be held for the beef, sheep and goat projects. The animals must be listed on the official 4-H animal identification sheet and must be weighed in on the official county weigh-in date and place. Animals weighed in on another date or at a different place will not be allowed to enter the contest. The rate of gain contest is based on the amount of weight per day each animal gains from initial weigh-in date to county fair weigh-in date. The animal with the highest amount of gain will be the winner. All livestock following the rate of gain rules will automatically be entered into the contest.

Horses

1. A 4-H member exhibiting a Light Horse project may own the horse himself, use a family owned horse or use a horse owned by someone else. Joint ownership on 4-H horses must be within the same family.
2. Arm bands are optional for the County 4-H Horse Show.
3. Horses must be identified, and records filed at the Extension Office. Classes and events will be conducted according to 4-H 373. "Nebraska 4-H Horse Shows and Judging guide".

Classes

G926970 – Horse Senior Showmanship

G926980 – Horse Intermediate Showmanship

G926990 – Horse Junior Showmanship

G926904 - Weanling Fillie (foaled between Jan. 1 and June 1)

G926905 - 1 Year Old Fillie

G926906 - 2 year Old Fillie

G926907 - 3-12 Year Old Mares

G926908 - 13 and Older Mares

G926909 - Weanling Colt (foaled between Jan. 1 and June 1)

G926910 - 1 Year Old Gelding

G926911 - 2 Year Old Gelding

G926912 - 3-12 Year Old Gelding

G926913 - 13 and Older Gelding

G926914 - Mare & Foal (Mare with one foal to be shown.) Foal must have been foaled in the calendar year of the show

G926915 – Senior Light Horse Pleasure

G926916 – Intermediate Light Horse Pleasure

G926917 - Junior Light Horse Pleasure

G926918 - Senior Horsemanship

G926919 – Intermediate Horsemanship

G926920 - Junior Horsemanship

G926921 - Senior Reining

G926922 – Intermediate Reining

G926923 - Junior Reining

G926924 - Senior Barrels

G926925 – Intermediate Barrels

G926926 - Junior Barrels

G926927 - Senior Pole Bending

G926928 - Intermediate Pole Bending

G926929 - Junior Pole Bending

G926930 - Senior Trail

G926931 – Intermediate Trail

G926932 - Junior Trail

Rabbit

- A. Rabbit showing information may be found at 4h.unl.edu/companion-animal.
- B. Basis for judging-showmanship is based on grooming and training of the rabbit and the appearance and behavior of the exhibitor. The exhibitor must vocally explain the steps in their routine and the merit of the rabbit. Primarily showmanship is the skill of the exhibitor in presenting and explaining the rabbit before the judge. The excellence of the rabbit is not considered in scoring.
- C. The judges may or may not ask questions of the exhibitor at the close of the routine.
- D. A rabbit may only be shown in showmanship and one confirmation class. A rabbit may not show as a Junior or Senior rabbit and a Pet Rabbit.
- E. Market Rabbits cannot be shown in Conformation classes.

Showmanship

CLASS

G800970 – Senior Rabbit Showmanship

G800980 – Intermediate Rabbit Showmanship

G800990 – Junior Rabbit Showmanship

Market

CLASS

G800904 - Single Fryer - Not over 10 weeks of age. Minimum weight of 3 pounds, maximum weight of 5 pounds.

G800905 - Meat Pen of Three - Not over 10 weeks of age. Minimum weight of 3 pounds, maximum weight of 5 pounds each.

G800906 - Roaster – Must be under 6 months of age. Minimum weight over 8 pounds.

G800907 – Stewers – All rabbits entered in this class must be 6 months of age and over. Minimum weight is over 8 pounds.

Rabbit Confirmation

CLASS

G800908 - Junior Doe or Buck ARBA Breeds – Under Six Months

G800909 - Senior Doe or Buck ARBA Breeds– Over Six Months

G800910– Pet Rabbit – Non ARBA rabbits

Poultry

Poultry Show Rules

- A. All Poultry must stay on the fairgrounds for display and will be release on Saturday at 2:00 p.m.
- B. **Health Requirements** - Health certificate not required for poultry. Testing may be performed by a state veterinarian at the county fair.
- C. **Breeds** - To be eligible for breed exhibition, cockerel, pullet, cock or hen chicken entries must be fair representatives of one of the breeds listed in the American Standard of Perfection.
- D. **Minimum Weights** - The minimum weights for exhibition birds will be as stated in the American Standard of Perfection and the Bantam Standard.
- E. **Trio** - A pen of egg production birds can be hybrids, crossbred or purebred and shall consist of 3 sexually mature females. Egg production females will be judged for production qualities only and need not necessarily conform to breed standards.
- F. **Rules for Bantam & Other Poultry** - The rules for standard size chickens apply equally to bantams, waterfowl and turkey where applicable.
- G. **Entries Must be 4-H Project Birds** - All poultry exhibited must be grown in a 4-H member's project.

Poultry showmanship contest rules

- A. Basis for judging-showmanship is based on grooming and training for 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.
- B. There will be a four minute time limit to complete the showmanship presentation. Exhibitors will be timed.
- C. The judges may or may not ask questions of the exhibitor at the close of the routine. Information on the basis of judging poultry showmanship is found in Nebraska Extension 4-H 191.

Showmanship

CLASS

G700970 – Poultry Senior Showmanship

G700980 - Poultry Intermediate Showmanship

G700990 – Poultry Junior Showmanship

CLASS

G700904 - **Large Fowl**- American, Asiatic, English, Mediterranean, Continental, other Standard Breeds

G700905 - **Bantam Chickens** -Game Bantam, Single Comb Clean legged, Rose Comb Clean Legged, All Other Comb Clean Legged, Feathered Legged Class, Other Standard Breeds

G700906 – **Ducks** - Heavy Weight, Medium Weight, Light Weight

G700907 - **Bantam Ducks**

G700908 - **Goose**

G700909 - **Turkeys**

G700910 - **Production Trios**

G700911 - **Other**

Companion Animal Show Including Cat

Class Descriptions: Entries in the 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.
- 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).
- A. **Show Procedures:** Exhibitors must be present at time of showing. Animals must be housed in a cage at all times of the show unless asked to remove them by the judge. If being shown in a travel cage, exhibitors should bring photographs of the animal's normal habitat.
 - a. Each exhibitor will be asked to give a short "showmanship" presentation on their animal. The characteristics, health, and care of the animal should be provided in this presentation. Following the presentation, exhibitors will be interviewed on knowledge of their animal and its care.
 - b. The judge will evaluate the participant on the following basis: animal health and wellbeing – 35 points, cage evaluation (appropriateness of travel housing as well as description of everyday housing) – 25 points, and overall knowledge and presentation skills – 40 points.
 - c. See 4-H Companion Animal Judging Sheet for more complete breakdown of points available.
 - d. Participant should bring animal, adequate cage and accessories, completed health certificate for cats and ferrets, and pictures of normal display if appropriate.
 - B. **Housing:** Cats must be brought in durable plastic or wire carriers (not cardboard). Cats will remain in carriers or other appropriate cage provided by the exhibitor except for when being judged. The exhibitor may provide food, water, and litter for the cat in the carrier if necessary. Exhibitors may want to provide a cover for the carrier to prevent their cat from seeing other cats. Suggested: ALL CATS MUST BE SHOWN ON A LEASH and be on a leash at any time they are removed from the carrier/cage.
 - a. All other animals should be brought in appropriate housing either their normal cage or a durable plastic or wire travel cage (not cardboard). Cages must be secure. Exhibitors should provide water and food for all animals as appropriate. If a cage/enclosure is deemed inappropriate by the show superintendent, the exhibitor will not be allowed to show.
 - C. **Health & Vaccinations:** All animals should be free of fleas, ticks, ear mites, ringworm, any internal and external parasite and infectious disease. Required veterinary checks will be performed on each animal entering the show. If any signs of these external parasites or other contagious health conditions are presented, exhibitors will be asked to leave without being allowed into the show area. It is highly recommended that a veterinary check is performed or preventative measures are taken prior to the show to ensure the animal is free of external parasites. ALL DECISIONS OF SHOW OFFICIALS ARE FINAL. If an animal shows the possibility of being contagious, it will be considered a danger to the other animals in the show and will not be allowed to show. Animals that pose a danger to others will not be allowed to enter the building.
 - D. Cats are required to be current on their vaccinations of Rabies, panleukopenia, viral rhinotracheitis, and calicivirus. Cats must either have a current feline leukemia vaccination or proof of a negative test within 180 days of the show. Proof of vaccinations must be sent in with registration. Participants should have their veterinarian fill out and sign the "Nebraska State Fair Cat/Ferret Vaccination Record Form". Exhibitors will not be allowed to show without a signed Vaccination record form.
 - E. Ferrets must be vaccinated for rabies and have a completed health form signed by the administering veterinarian submitted with registration information.
 - F. 4-H'ers vaccinating their own cats must provide proof by including a statement from their vet on the Vaccination Record Form or by including the vaccination labels on the form and having it signed by a parent. A rabies vaccination is federally mandated to be given by a Certified Veterinarian ONLY. This vaccination must be current and include a veterinarian signature on the Vaccination Record Form.

- G. If a cat is not declawed, the claws must be clipped. This will be a point of judging during the competition. No expectant or nursing mother animals may be entered in the show.
- H. **Number of Entries Per Exhibitor:** Two animals per specie allowed to be entered in cat and companion animal.
- I. **Age of Animals:** All animals must be weaned prior to show. Minimum age of animals to be shown:
 - I. Cats: 4 months,
 - II. Ferrets: 4 months
 - III. Chinchillas: 7 weeks
 - IV. Guinea pigs: 4 weeks
 - V. Gerbils, hamsters, mice, rats: 4 weeks
 - VI. Hedgehogs: 5 weeks
 - VII. Pet rabbits: 9 weeks

CLASS

Classes

G100970 - Cat Senior Showmanship

G100980 – Cat Intermediate Showmanship

G100990 – Cat Junior Showmanship

G100904 - Cat

G100905 - Companion Animals including ferret, chinchilla, guinea pig, gerbil, hamster, mouse, rat, hedgehog

G100906 - Poster - Poster 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).

Dog

- A. **Procedures** - Those procedures described in [Nebraska 4-H Dog Show Guidelines 4H420](#). **It is the dog exhibitor's responsibility to pick up after their dogs at all times.** Dogs soiling in the show ring (during a class) will be lowered one ribbon placing. Dogs soiling anywhere on the show grounds with no pick up will be disqualified from all entered classes on that show day regardless of the person who is holding the dog leash.
- B. **Vaccination** - All dogs must be immunized for distemper, hepatitis, parvo and rabies. The form must be filled out and signed by a veterinarian and returned as part of the **Advanced Entry**. **The [Nebraska State Fair Show Vaccination Record Form \(SF 263\)](#) must document all vaccinations within 1 year or 3 years depending on the vaccine given. All required vaccinations must be given within 1 to 3 years of the show date based on label guidelines.** All vaccinations must be in effect at the time of the Dog Show. Explanation: Some vaccinations are viable for one year and some vaccinations are viable for three years but are specifically designed and administered according to their label. The [SF263 Dog Vaccination Certification](#) form must be submitted for each dog at pre fair entry deadline **each year**. **No dog allowed to show without dog vaccination certificate. Any dogs who do not have vaccination certification are not allowed on the fairgrounds at the time of the dog show.**
- C. **Number of Entries Per Exhibitor – Dog Eligibility-** Exhibitor should provide primary care and training for the dog. The dog should reside with the exhibitor or be cared for the by the exhibitor the majority of the year.
 - a. A 4-H'er can show no more than **TWO** dogs.
 - b. A 4-H'er can only enter **ONE** showmanship class.
 - c. A dog can only enter **ONE** obedience class.
 - d. A dog can only enter **ONE** agility class.
 - e. A dog can only enter **ONE** rally class.
- D. **Advancement Levels in Obedience, Rally and Agility Classes** - 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.

- E. **Advancement Levels in Showmanship Classes** - classes are divided into age divisions.
- F. **Disqualified Dogs** - Females in season will not be permitted to be shown. Overly aggressive dogs may be disqualified at the discretion of the judge or superintendent. Lameness or crippled dogs will not be permitted to show if it is determined by a show superintendent that it is affecting the health of the dog.
- G. **Age of Dog** - A dog that is exhibited must be 6 months or older. Agility dogs must be 18 months or older to participate in competition.
- H. **Baiting** - Baiting with food or a toy is not permitted and is cause for disqualification. Handlers may use baiting action without food or toys in showmanship. The judge has the authority to disqualify violators.
- I. **Exhibitors Responsibility** - CLEANUP shall be the EXHIBITOR'S RESPONSIBILITY. This includes all areas while on the show site.
- J. Non-entered dogs and puppies are not allowed in the show arena or surrounding area.
- K. **Substitutions** - A dog may be substituted for showmanship classes only if it is injured or dies following the entry deadline. No substitutions may be made in obedience or agility classes. A substitute can be selected from the exhibitor's household family or from the household where the originally entered dog resides. A Nebraska State Fair Dog Show Vaccination Form must be completed for all substitution dogs and received prior to the show date.

Dog Showmanship - Each class will be judged on handler's appearance (10%), grooming and conditioning of dog (20%), coordination of the dog and handler (50%), and general knowledge (20%).

G701970 - Dog Senior Showmanship

G701980 - Dog Intermediate Showmanship

G701990 - Dog Junior Showmanship

Dog Obedience

G701010 - Beginning Novice Division A - Handler and the dog being shown are both in their first year of county, state 4-H, or any other dog show experience. Dog being shown may not have completed an AKC "leg" toward a "CD" degree. For example, an exhibitor in their second year of county competition is not eligible for Division A, even though this is the first year at State Fair. 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.

G701020 - Beginning Novice Division B - Beginning dogs with experienced handlers or exhibitor and dog who have 1 or more years' experience. Handlers may repeat this class until the dog has earned a purple ribbon or award. 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.

G701030 - Novice - Exhibitor and dog have completed Beginning Novice. Dogs must heel on leash including figure 8; stand for examination off leash, heel free; come on recall off leash, long sit for one minute off leash and long down for three minutes off leash.

G701040 - Graduate Novice - Exhibitor and dog have completed Novice. Dogs must heel on leash; stand for examination off leash; heel free including figure 8; drop on recall; long sit for three minutes and long down for five minutes both with handler out of sight.

G701050 - Open - Exhibitor and dog have completed Graduate Novice. All exercises off leash. Heel free and figure 8; drop on recall; retrieve on flat; retrieve over high jump; broad jump; long sit for

three minutes and long down for five minutes, both with handler out of sight. Refer to Guidelines for Nebraska 4-H Dog Shows for jump heights/distances.

Dog Agility - Agility will follow those procedures and classes described in Nebraska 4-H Dog Show Guidelines 4-H 420. . Level 1 is run on-leash. One of each obstacle noted in each level are mandatory and duplicate obstacles may be added to make up quantities of obstacles in each level. Obstacles in course should be numbered to note the obstacle order for the course.

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.

G701910 – Pre Agility – dogs under 18 months. Bar jumps at ground level, short dog walk, pause box and tunnel (open). Only ribbons will be given, no trophy.

G701070 - Level 1 — 6 obstacles – 3 bar jumps which have two bars each, short dog walk, pause box or table, and tunnel (open).

G701080 - Level 2 – 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

G701090 - Level 3 – 10 obstacles – Same obstacles as level 2 but dogs run off leash for level 3.

Rally

Rally obedience is a dog sport based on obedience. It was or originally from the obedience practice of "doodling" - doing a variety of interesting warm up and freestyle exercises. Many of the Rally exercises are the same as, or have the same parts (elements) of traditional 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. Signs may be duplicated and used more than one time to create the course.

G701100 - Beginning Rally - dog is on leash and there are 5-10 stations.

G701110 - Rally 1 - dog is on leash and there are 10-15 stations.

G701120 – Rally 2 - dog is off leash and there are 12-17 stations.

G701130 – Rally 3 - dog is off leash and there are 15-20 stations.

G701200 – Team – 2 exhibitors perform obedience class exercises in the show ring at the same time to compete for a team score. Teams will be judged on synchronization of steps and dogs' reactions to commands.

G701300 - Best of Rescue Class – Exhibit is a poster made by the 4-H'er telling a story about how their rescue dog found a forever home. Poster should be no larger than 22 x 28 inches. Exhibit will be judged at dog show, however will be required to be displayed in Exhibit Hall during the county fair.

Suggestions to include on poster:

- How exhibitor got the dog
- Age when got the dog
- Funny story or unique thing about your dog
- Possible breed(s)
- A photo from the day the dog was picked for the 4-H'ers forever home
- Anything else that will tell the story of the 4-H'er and their dog