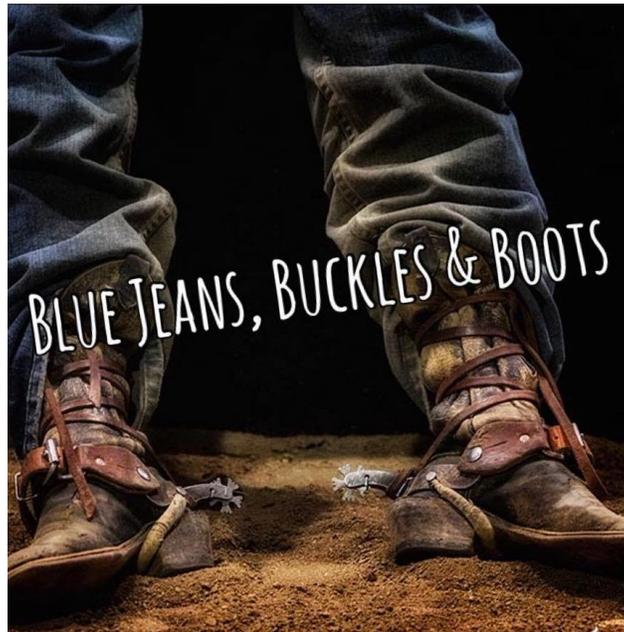


**2019
Hamilton County
4-H Premium Book**



“BLUE JEANS, BUCKLES & BOOTS”

July 25 – July 28, 2019
Hamilton County Fairgrounds
Aurora, Nebraska



STAFF

Tammy Stuhr, Extension Educator, Unit Leader
Mariah Morgan, Extension Educator
Hillary Fuhrman, 4-H Program Coordinator
Deb Fahrbruch, 4-H Program Coordinator
Victoria Jensen, Office Manager

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We are glad to provide you with this personal copy of the Hamilton County Fair 4-H premium book. The service you provide to the community as a youth program volunteer is greatly appreciated.

Special Thanks to the Aurora News-Register for publishing the information. We are grateful for your support!

JUDGES

Beef Cattle	Marty Stewart
Dairy Cattle & Dairy Goats.....	Will Keech
Sheep & Goats.....	Miles Stangemeyer
Swine.....	Mike Roeber
Dogs.....	Deanna and Haley VanDeWalle
Cat & Companion Animals.....	Rachael Fangmeier
Rabbits & Poultry.....	Shannon Ahlman
Horse.....	TBD
Llama.....	Karen Kurbis & Suzy Hassler
Ag Engineering.....	Thomas Dobesh
Horticulture	Master Gardeners
Clothing Construction and Fashion Show	Carmen Johnson, Susan Donoghue
Favorite Foods Contest & Presentation.	Miranda Bright
Culinary Challenge	Mariah Morgan
Public Speaking Speech & PSA Contest.....	Nancy Buettner
Miscellaneous.....	Jeanette Koelling
Foods.....	Linda Fitze Kari Scheideler, Jill Schmidt
Home Environment.....	Tamara Nelson, Theresa Vernon, Susan Donoghue

4-H DEPARTMENT SUPERINTENDENTS

Beef & Dairy Cattle.....	Fred Heuermann
Swine.....	Duane Danielson
Sheep & Goats	Jarod Sullivan and Trevor Sullivan
Rabbit & Poultry,	Marcia Traudt
Cats, Dogs & Companion Animals.....	Halley VanDeWalle and Deana VanDeWalle
Horse.....	TBD
Foods	Regina Farris
Clothing	Beth Andrews
Fashion Show.....	Jana Gibson
	Assistant... Jaime Pachta
Expressive Arts.....	Christi Aycock
Home Environment	Alice McDonald
Asst. Superintendent.....	Dixie Ziegler
Ag Eng., Crops, Horticulture	Sue McDonald
Clover Kids.....	Angie Wall
3-D Archery Target Competition.....	TBA
Hunting Skills.....	TBA
Archery Contest.....	Eric Bjorkman and Eric Breuer
BB Contest.....	Leland Stump and Eric Breuer
22 Rifle Contest.....	Darren Graves and Leland Stump
Pistol Smallbore Contest.....	Leland Stump and Darren Graves

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Schedule of Events

Tuesday, March 19, 2019	Public Speaking Contest
Thursday, June 20, 2019	County FCS Day (Presentations, Favorite Foods, County Life Challenge Contest)
Monday, July 8-9, 2019	Pre-Fair-Entry Deadline
TBA	4-H Horse Show
Saturday, July 13, 2019	8:00 am Hunting Skills Contest (located in Merrick Co.) 9:00 am 3-D Outdoor Archery (located in Merrick County)
Sunday, July 14, 2019	4-H Target Archery at 5pm with 4:30pm Check-In
Monday July 15, 2019	BB Gun at the Fairgrounds
Saturday, July 20, 2019 8:00a.m.	Pre-Fair Fairgrounds Clean Up, Set Up
Monday, July 22, 2019 9:00 a.m. 7:00 p.m.	All Sewing Projects Entry Day Clothing Construction / Fashion Show Judging Public Fashion Show
Tuesday July 23, 2019 9:00 a.m.	Culinary Challenge
Wednesday, July 24, 2019 4:00 p.m. – 9:00 p.m. 5:00 p.m. – 6:30 p.m. 5:00 p.m. – 8:00 p.m. 7:00 p.m. – 8:30 p.m. 6:00 p.m. - 9:00 p.m.	4-H Entries (Static Projects) Entry Day 4-H & FFA Sheep & Goats Weigh-In 4-H Poultry and Rabbits Check-In 4-H & FFA Swine Weigh-In 4-H & FFA Beef Weigh-In
Thursday July 25, 2019 8:00 a.m.- 5:00 p.m. 8:00 a.m. 8:00 a.m. 9:00 a.m. 10:00 am 10:00 a.m. 11:00 a.m. – 8:30 p.m. 11:00 a.m. 11:00 a.m. 1:00 p.m. 4:30 p.m.-9:00 p.m. 6:00 p.m.	4-H Jr. Leaders Livestock Concessions Open FFA & Open Class Judging 4-H & FFA Sheep Judging 4-H All Static Projects Interview Judging 4-H & FFA Goats Show Open Class Poultry 4-H Food Stand Open 4-H Bake Sale Begins (4-H food stand) 4-H & FFA Poultry Show 4-H & FFA Rabbit Show 4-H Exhibits open- Ag Auditorium 4-H Awards Presentation 4-H Decorated Cake Auction following Awards Ceremony (Open to Public Bidders)
Friday July 26, 2019 8:00 a.m.- 5 p.m. 8:00 a.m. 8:00 a.m. 9:00 a.m.-9:00 p.m. 1:00 p.m. To follow Cat Show 11:00 a.m. – 8:30 p.m. 1:00 p.m. 4:00 p.m. 5:00 p.m.	4-H Jr. Leaders Livestock Concessions Open 4-H & FFA Swine Show 4-H Dog Show in the Farr Building 4-H Exhibits open- Ag Auditorium 4-H Cat Show in the Ag Auditorium 4-H Companion Animals Show in the Ag Auditorium 4-H Food Stand Open 4-H Llama Show 4-H Dairy Cattel and Dairy Goat Show 4-H Food Stand Opens-Meal Deal (until supply runs out)

Saturday, July 27, 2019

8:00 a.m.- 5:00 p.m.	4-H Jr. Leaders Livestock Concessions Open
8:00 a.m.	4-H & FFA Beef Show
9:00 a.m.-9:00 p.m.	4-H Exhibits open- Ag Auditorium
11:00 a.m. – 8:30 p.m.	4-H Food Stand open
2:00 p.m.	4-H Elite Showmanship Contest (Testing at 1:30 p.m. – meet at livestock office)
4:30 p.m.	4-H & FFA Livestock Premium Auction

Sunday, July 28, 2019

7:30 a.m.	Hamilton County Fair Exhibitor Breakfast in Farr Building
11:00 am – 3:30 p.m.	4-H Food Stand Open
Noon	4-H & FFA Livestock Judging Contest
12:00 p.m.-3:00 p.m.	4-H Exhibits open- Ag Auditorium
1:30 p.m.	Pedal Tractor Pull
3:00 p.m.-6:00 p.m.	***All entries released***

Saturday, September 7, 2019 Smallbore Pistol & Rifle Contest (located at Sportsman's Club)

Disclaimer

4-H exhibits at the Hamilton County Fair are entered and displayed at the risk of the 4-H member. Nebraska Extension in Hamilton County, 4-H Youth Development, in cooperation with the Hamilton County AG Society accepts exhibits and will exercise due care to protect them. However, The Hamilton County 4-H Council, in cooperation with the Hamilton County AG Society cannot accept responsibility for loss or damage due to the conditions imposed by large crowds, the arrangement of the buildings in which displays are housed and the great number of exhibits.

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 Hamilton County Fair, each individual will be held personally responsible for any injury.

RULES AND REGULATIONS

- ELIGIBILITY REQUIREMENTS FOR EXHIBITORS - An exhibitor must be a 4-H member enrolled in the project they are exhibiting. Youth must be enrolled in 4-H by June 15 of the current year.
- Anyone who disrupts or damages any show, exhibit, or judging process may be removed from the grounds and not permitted to return.
- All exhibits competing for cash premiums shall be property of the exhibitor, and in livestock classes all animals shall have been the property of the exhibitor at least (90) days prior to the opening of the fair, OR in accordance with FFA & 4-H rules. If it be ascertained that any exhibitor has made or caused to be made, any false statement in regard to any animal or article exhibited or if any exhibitor shall attempt to interfere with the judges in the performances of their duties by letter or otherwise, he shall be excluded from competition and exhibition for such period of time as the board of directors may determine and shall forfeit any premium already awarded him at this fair. In case the animal dies, or is injured so it cannot be exhibited by a proper showing, another may be substituted per 4-H Extension Educator pre-approval or FFA Advisor approval.
- Articles and animals must be on the grounds Wednesday before 9 p.m. and must be removed by Sunday, after the fair, by 6 p.m., with area or stall cleaned, or premium may be withheld. Horses, dogs and cats may have varying entry and removal procedures as set forth by the Board, see class instructions. No other articles or animals entered for exhibition will be allowed to be removed from the grounds before 3:00 p.m. Sunday, the last day of the fair. Premature removal without authorization forfeits premium.
- All entries will be made in strict compliance with the premium list and awards made in accordance therewith. Parties therefore must be careful to have stock and articles entered just as they want them.
- In case of dispute as the age of any animal, its certificate of registry will be required in evidence of the age, or otherwise, and its owner will also be required to file with the superintendent an affidavit that it is the identical animal thereon described.
- A party making an entry of registered stock of any kind shall furnish the department superintendent, when called for, authentic certified copy of pedigree of such stock, and failure to do so will render the exhibit ineligible. The superintendent may move it to a commercial class if available.
- For cattle, the association register will be considered standard authority. All stock entered for exhibition must be on the grounds Wednesday before 9 p.m.
- No person shall be allowed to see the entries or have access to the entry books until after the entries have closed, and judging completed.

- The Hamilton County 4-H program will recognize 4-H members and volunteers of the 4-H program in which they are enrolled in 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. With the exception of shooting sports, if a discipline is not provided in one county then the youth may enroll in multiple counties. To enter 4-H or FFA classes the exhibitor must be enrolled in a Hamilton County 4-H project or club or a member of Hamilton County FFA chapter. A youth who is a member of 4-H and FFA may show in the same curriculum area but must use different projects. For example, may show livestock but must use different animals; may enter static exhibit but must be two entries.
- Complete information on various contests and events is available at the Extension Office.
- To each premium number there must be two or more exhibitors to constitute competition. When there is no competition, the exhibits, if worthy, will be awarded first, second, third or fourth place awards as merit warrants. Regarding an award in case of no competition the judge is to decide whether or not they are worthy.
- 4-H entries shall be entered either in the Ag Building or the Livestock Office Wednesday afternoon at 4 p.m. and entries will close at 9 p.m. on the same day. FFA and Industrial Arts entries shall be entered in the Mather Building Wednesday afternoon at 4 p.m. and entries will close at 9 p.m. on the same day.
- The management reserves the right to reject unworthy exhibits of any kind by refusing space, stalls, pens or admission to the grounds. No disorderly conduct of any kind will be permitted.

Open Class Invitation

4-H clubs, sororities and other organizations within the county will be awarded a \$15.00 premium if 80 percent or more of their member's exhibit in open class. Entrants must list their organization affiliation on each entry tag.

Judging

No judges will be permitted to serve in a class in which he/she may be competing for a premium or have an ownership of any animal or article entered in such class.

No judge shall award a premium which they have reason to believe is not what it is represented to be as it appears from the entry book or representation of the exhibitor, but shall report same to superintendent of the department. He/she shall award first premium only when the animal or article has high merit in its class.

All animals must be exhibited at such time and place as the superintendent of the class may direct. The judge will be instructed not to wait for more than 10 minutes after the final call.

Awards will be made by expert judge or committee of judges whose decision shall be by ballot and without consultation. Two of the committee shall agree before an award can be made.

When an exhibit or animal is shown in a class in which it does not belong, the superintendent shall so declare and will dismiss the exhibit or animal from the judging, stating the reasons therefore.

Exhibits that have been erroneously entered may, by the discretion of the superintendent, be transferred to their proper class prior to judging.

Superintendents

Each superintendent will be in their department at entry time to receive all articles belonging to their department and see that they are arranged in proper places of exhibition. They must be at their respective departments during the fair and see that due care and precautions are used and that all visitors are properly advised and entertained.

Superintendents of stock must notify the exhibitor of stock in regard to bringing the different classes into the show ring.

Superintendents shall in no way influence the judge's decisions.

Superintendents must turn in judging and award books at the completion of judging.

4-H POLICY COMMITTEE

The 4-H Council interprets policy in Hamilton County. The division superintendents will make decisions according to the fair book. Written protests of these decisions will be addressed by the 4-H Council in accordance with the outlined procedures below.

PROTESTS

A. The respective division superintendent has the authority to make appropriate decisions based on the 4-H Premium Book, and these will be adhered to by all.

B. Written and signed protests are to be presented to the appropriate superintendent. Upon receipt of the protest, the superintendent shall meet with at least two other superintendents and with an Extension Educator as an advisor of policy. This committee of superintendents will decide the issue.

C. The written protest must include:

1. Names of persons involved
2. Nature of concerns

3. Situation and documentation
 4. Recommendations for correction
 5. Specific action, rule, etc. in question
 6. Additional people committee may contact for further clarification.
 7. Procedures and/or step carried out by person involved prior to submission to the superintendent.
- D. The committee will review the written protest. They may discuss the situation with affected persons and show officials to include County Fair management if appropriate prior to making a final decision. The committee will recommend appropriate action to management in writing. The recommendations will be followed and communicated both verbally and in writing to the group or individual affected.
- E. In cases of protest the exhibitor may be allowed to show, but results of showing will be subject to change based on the outcome of the protest process. This allows for smooth operation of the show and facilitates appropriate processing.
- F. The management reserves the right to withhold premium and/or award. The exhibitor may also be excluded from the show if action warrants.
- G. Protests concerning 4-H policy, animal, and youth eligibility can be protested further to the 4-H Council if the affected parties are not satisfied with the committee decision. Interpretation of show rules should not be brought to the Council. 4-H Council decisions are final.
- H. Protests will not be accepted after the exhibits are released from the 4-H division. In the case of a live contest or competition, protests will not be accepted after 8:00 pm on the day of the contest or competition.

A special thank you to our Award sponsors for their support of the 4-H Program. Their generosity is important and appreciated.

GENERAL RULES AND POLICIES FOR THE 4-H DIVISION

The Hamilton County 4-H program will recognize 4-H members and volunteers of the 4-H program in which they are enrolled in irrespective of their place of residence.

ELIGIBILITY FOR THE NEBRASKA STATE FAIR

Only static exhibits receiving a Purple Ribbon in county competition are eligible to advance to the Nebraska State Fair. Classes that are listed as a "900" number are not eligible to advance to state fair, regardless of ribbon placement.

PREMIUM AWARDS

Purple ribbons will denote superior exhibits. Blue awards denote excellent exhibits. Red awards denote good exhibits and white awards denote fair exhibits. Equal prizes will be given the same colored awards under the same entry number. The judge will designate the outstanding exhibits selected to be represented at the Nebraska State Fair.

To be eligible to receive premiums a member must be regularly enrolled. The project involved with the 4-H exhibit must be completed. Evidence of completed project will be the completion of the 4-H Record Book. This record is to be completed and presented to the club leader or the County Extension Office by published due date. Premium monies are awarded at Achievement Night.

Premier 4-H Science Award

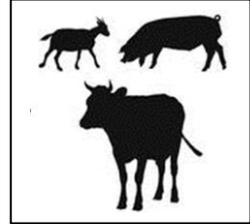
Objective: Recognize 4-H youth static exhibits incorporating or demonstrating concepts from the areas of 4-H Science (science, technology, engineering, or applied math) at the Nebraska State Fair. Exhibits in all curriculum areas will be considered for the award.

Curriculum Areas Targeted: Animal Science, Communications/Expressive Arts, Consumer & Family Sciences, Environmental Education and Earth Science, Healthy Lifestyles, Leadership & Citizenship, Plant Sciences, Science Engineering & Technology (SET).

Exhibit Entry: Youth will identify one exhibit to be considered for the Premier 4-H Science Award. The Premier 4-H Science Award Application must be submitted along with a photograph of the exhibit to the County Extension Office by the county's entry deadline. The photograph will not be used for judging, only to locate it at the State Fair should we need additional information. The Extension Office will enter exhibit into its original State Fair class and the Premier 4-H Science Award class (H101001). **Only one exhibit per youth will be eligible for the Premier 4-H Science Award.**

DEPARTMENT G - ANIMAL SCIENCE

LIVESTOCK



Entry must be a purple ribbon to earn awards and rosettes. **Grand and Reserve Champion premiums for cattle, swine, sheep, goats, rabbits and poultry are \$12 and \$10 (total), respectively.** All exhibitors of beef, sheep, swine, goats, poultry, rabbits and dairy cattle must be Quality Assurance certified by June 15th. Beef, sheep, swine, goats, rabbits, llama and dairy cattle must have an animal affidavit filed in the Extension Office by June 15 of current year.

Entries: Animal exhibit stall deposits for 2019 need to be provided prior to or during July 8th - 9th Pre-Fair entry days. **Checks are written to "Hamilton County 4-H Council"**. Deposits will be held through fair clean-up and then returned to the exhibitor / family as fair superintendents approve checkout. Flat deposit rates will be as follows: \$30 per exhibitor who enter large animal exhibits. This includes cattle (dairy included), sheep, goats, llamas and swine. For small animal exhibit entry, the deposit is \$10.00 per exhibitor for rabbits and poultry. Deposit fees can be paid with one check per family. **Stall Deposits can be picked up at the livestock office after the stalls/areas are confirmed clean by the superintendents.** Checks will not be returned if stalls/areas are not cleaned or if the animals are removed earlier than release time. All livestock entries are to be in place by 9:00 p.m. on the July 24th entry day and stay till 3:00 p.m. on July 28th release day. The stalls and or pens need to be cleaned by 6 p.m. on July 28th, 2019.

Showmanship: Open to all 4Hers. Your participation is encouraged. Remember, promptness in the show ring is a part of the contest. The contest will start promptly at designated time. Personal grooming of the exhibitor, 4-H insignia, fitting and training of the animals, show ring courtesies, as well as skill of the showman will be considered in the Showmanship Contests. **Age divisions are: Junior (8-10), Intermediate (11-13), Senior (14-18) years of age by January 1 of current year.**

Judging is based on grooming as well as showing. Animals cannot be shown by more than one person in showmanship.

Substitute Showman: An animal must be shown by the 4-H owner who entered it unless the exhibitor is excused by the Division Superintendent because of illness, disability due to an injury (e.g. broken arm or leg) or conflict with other livestock classes in the 4-H show.

Uniform: 4-H exhibitors showing beef, dairy, sheep, swine, goats, dogs, rabbits, poultry, llama, cats and companion animals are required to wear the official County Fair 4-H t-shirt, jeans and closed-toed, hard-soled shoes. Hair must be pulled back. No hats or caps.

Grooming: Cattle is Blow and Go show. : Preparation and grooming of an animal should be the primary responsibility of the exhibitor; however, assistance may be provided by other youth exhibitors and/or immediate family members.

Beef Shows including Showmanship, Market Beef and Breeding Beef will be Blow and Go in 2018; animals may be clipped, blown and brushed or combed to enhance their appearance. Guidelines for the Blow and Go show:

1. Beef 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. These products include but are not limited to commonly used adhesives and colorants such as Prime Time, EZ Comb, Tail Adhesive, Ultra White Touch-Up, Black Touch-Up, Black Finisher and black show foam.
3. Alcohol, water, oil, foam or any water- or alcohol-based products with no adhesive or glue qualities or artificial colorings are permitted. These products include conditioners and commonly used sprays such as Kleen Sheen, Revive, Final Bloom and white show foam. Paint will be allowed on the hooves and dewclaws only.

Ultimately...

*Exhibitors can still clip, wash, and blow their animals

*Only oil or water-based products can be applied

*No adhesives or paints

Pigs must be shown without hairdressing compounds. This includes oil, powder or any other coat dressing compounds. Water is permitted.

Entry: Pre-entry is required. Late entries may not have pen space. Club members are not eligible to show one entry in both 4-H and open class. They may show separate entries in both divisions.

Generators: Generators are only allowed south of the road, south of the beef barn on beef show day.

Herdsmanship

All livestock exhibitors are required to maintain their quarters as orderly as possible and must keep the part of the building they occupy neat and attractive. All clubs/chapters as well as individual members will compete in the herdsmanship contest.

Responsibility - Herdsmanship duties are the responsibility of exhibitors rather than leaders, advisors, and parents. All exhibitors will be assigned stalls to their club's area prior to clean-up which makes pre-entry for fair a must! Independent members will be judged independently no matter how many youth are showing from their family. Exhibitors will need to help with pre-fair and post-fair cleanup.

Judging - A committee will be chosen to judge herdsmanship. There will be separate divisions for cattle, sheep/goats, swine, poultry, rabbits and llamas.

Basis of Ratings - Herdsmanship judges will use the following scoring guide in judging herdsmanship: max 20 points

1. Cleanliness and Order of Pens and Stalls
Stalls and Pens: Area clean and neat; bedding adequate, fresh, dry, clean and in place. No hay or feed in the beef barns. Hog and sheep water containers clean and in place. Feed pans only at feed time. Manure removed in timely fashion..... 5 pts.
2. Cleanliness and Order of Alleys
Alleys: Exhibitors share of the alley kept clean and kept free of tack and equipment. Dust controlled with proper sweeping and/or sprinkling. Manure, chips and debris removed. Alleys swept and cleaned by 8am and kept clean during the day.....5 pts.
3. Appearance and Welfare of Animals
Exhibits: Animals clean at all times with proper grooming apparent. Animals adequately care for with proper feeding, bedding, and welfare apparent. Animals in stalls or pens between 8 am to 7 pm....5 pts.
4. Arrangement of Exhibit Area and Stall, Club, Exhibit and Exhibitor Signs
Tack Area and Tie Outs: Tack and equipment kept clean and neatly stored. Show boxes, fans, etc., neatly arranged. Tie-outs (beef) orderly, neatly maintained and clean. Feed pans put away. Clipping chutes/sheep stands properly positioned. Hay bales cannot be stacked, one (1) bale high for public safety. Signs identifying stalls, exhibits and exhibitors clearly in place and readable from alley. Club signs should be appropriate for the exhibit. Stall Cards must be neatly arranged, clean and complete. Cards put up properly and promptly. Championship signs are displayed in timely manner.....5 pts.

Added attractiveness of display due to nonessential equipment or material in excess of needs for the show period is permissible (if complying with general show rules).

Times of Judging - Herdsmanship may be checked twice daily for the duration of the fair except the day of the show that specie will only be judged once (example: swine herdsmanship will not be judged morning of the swine show.)

The highest scoring club/chapter for overall herdsmanship for all species will receive \$50 for club champion, second highest scoring club \$25 for reserve champion, and the highest scoring Independent 4-H exhibitor will receive \$10. An average will be taken over all species to determine the scores by taking points each club has and dividing it by numbers of stalls/pens per species.

Herdsmanship will be judged:
 Purple (Excellent, Extra Effort)
 Blue (Good, Exhibit is presentable)
 Red (Fair, Exhibit needs more care taken)
 White (Exhibit needs significant improvement)

Herdsmanship

G001-001	Beef/Dairy Cattle Club	G001-007	Rabbit Club
G001-002	Beef/Dairy Cattle Independent	G001-008	Rabbit Independent
G001-003	Swine Club	G001-009	Poultry Club
G001-004	Swine Independent	G001-010	Poultry Independent
G001-005	Sheep/Goat Club	G001-011	Llama Club
G001-006	Sheep/Goat Independent	G001-012	Llama Independent

**Elite Showmanship Contest
Superintendent: Tammy Stuhr
and livestock superintendents**

Elite Showmanship

G002-001 Elite Showmanship Contest – Top three senior showman from beef, sheep and swine will compete against each other showing each animal and take a written test for knowledge. (Winner will compete in the elite showmanship contest at the State Fair. If the winner is ineligible, the reserve can opt to represent the county and 3rd place if first two are ineligible).

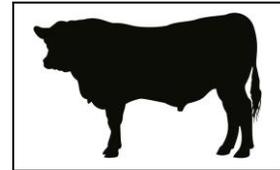
First place award will be given by the 4 Star Hamilton Heroes 4-H Club.

JUDGING CLASSES & CONTESTS

		PREMIUM	Purple	Blue	Red	White
			\$4.00	\$3.75	\$3.00	\$2.25
G500-901	Livestock Judging, Senior					
G500-902	Livestock Judging, Intermediate					
G500-903	Livestock Judging, Junior					

BEEF DIVISION

Superintendent: Fred Heuermann



4-H members can compete for premium in 5 classes plus showmanship. Other classes will be for ribbon and/or awards.

Beef Show will be "Blow & GO": Preparation and grooming of an animal should be the primary responsibility of the exhibitor; however, assistance may be provided by other youth exhibitors and/or immediate family members.

Beef Shows including Showmanship, Market Beef and Breeding Beef will be Blow and Go in 2018; animals may be clipped, blown and brushed or combed to enhance their appearance. Guidelines for the Blow and Go show:

1. Beef 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. These products include but are not limited to commonly used adhesives and colorants such as Prime Time, EZ Comb, Tail Adhesive, Ultra White Touch-Up, Black Touch-Up, Black Finisher and black show foam.
3. Alcohol, water, oil, foam or any water- or alcohol-based products with no adhesive or glue qualities or artificial colorings are permitted. These products include conditioners and commonly used sprays such as Kleen Sheen, Revive, Final Bloom and white show foam. Paint will be allowed on the hooves and dewclaws only.

Ultimately...

*Exhibitors can still clip, wash, and blow their animals

*Only oil or water-based products can be applied

*No adhesives or paints

State Fair Ruling for Market Beef - "A market beef animal may have the two center temporary incisor teeth replaced by permanent incisors. The remaining six temporary incisors must be in place and there may be no evidence of eruption of any permanent incisors other than the centers."

		PREMIUMS	PURPLE	BLUE	RED	WHITE
			\$9.00	\$7.50	\$4.50	\$3.00
<u>BEEF SHOWMANSHIP</u>						
G610-001	Showmanship Junior					
G610-002	Showmanship Intermediate					
G610-003	Showmanship Senior					

Champion & Reserve Champion Showmanship will be awarded in G610-1, 2, & 3

MARKET BEEF

Any Market Beef animal weighing in UNDER 900 pounds will be put into a Pre-Market class and will not be eligible for overall Market Beef animal.

G611-010	Market Beef Steer*
G611-020	Hamilton County Raised Steer*
G611-050	Market Beef Heifer
G611-901	Rate of Gain Steer
G611-902	Rate of Gain Heifer

G611-006 Pen of Three

Individual excellence of animals will be considered. Uniformity of the group will also be considered. Grooming of the animals for competition is permitted but not required. The 3 animals can be any 3 from one family's I.D. sheet.

***The same animal cannot be entered in both classes**

Champion & Reserve Champion will be awarded in each Market class.

G611-007 Club Group of 3 Beef Animals

Limited to one entry per club. Three animals from one club owned by not less than three club members. Individual excellence of animals will be considered. Uniformity of group will also be considered. In addition to three members acting as exhibitors of the group, one more member can serve as herdsman.

FEEDER CALVES

The purpose of this division is to provide 4-H members enrolled in the 4-H beef breeding project producing feeder calves an opportunity to exhibit the product of their project. (Not eligible for auction)

1. To qualify in this division each calf (heifer or steer) entered must have a certified birth date. The sire and dam need not be registered.

2. Calves to be exhibited in this division must be identified and recorded with the local County Extension office on or before June 15.

G607-901	Steers/Bulls – born Oct.1-Dec. 31 previous year
G607-902	Steers/Bulls – born during current year before June 1

Champion & Reserve chosen between G607-901 & G608-902.

G607-903	Heifers – born Oct. 1-Dec. 31 previous year
G607-904	Heifers – born during current year before June 1

Champion & Reserve chosen between G607-903 & G607-904.

BUCKET CALF

Any newborn or orphan calf (steer, bull, or heifer) and must be born between January 1 and June 1 of the current year.

G609-901	Bucket Calves - feeder calves not raised on a cow. Includes interview judging and record book.
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Champion & Reserve chosen from G609-901.

BREEDING HEIFER

G606-010	Registered Female
G606-020	Grade Female

- (a) Yearling Heifers - Calved Jan. and Feb. of previous year
- (b) Yearling Heifers - Calved March and Apr. of previous year
- (c) Yearling Heifers - Calved May and June of previous year
- (d) Yearling Heifers - Calved July and Aug. of previous year
- (e) Heifer Calves - Calved Sept. and Oct. of previous year
- (f) Heifer Calves - Calved Nov. and Dec. of previous year

Any female raised for breeding purposes and not shown in market heifer classes, and properly recorded on 4-H records, may be shown in this division. Classes will be rearranged for the breeds and age groups as the show warrants.

Champion & Reserve are chosen between G606-010 & G606-020.

COW/CALF

The Calf must be shown in the Feeder calves show in order to be entered as a Cow/Calf pair. Judging is on the cow/calf as a pair. Must be clean and groomed, clipping not required. Bull calves are allowed in this class. Prefer cow and calf be tied.

G608-030 Cow/Calf

Champion & Reserve chosen in G608-30.

**DAIRY CATTLE DIVISION
Superintendent: Fred Heuermann**

DAIRY CATTLE

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$9.00	\$7.50	\$4.50	\$3.00

Showmanship

Club members taking part in the contest will be judged on their skill as showmen, and the appearance the animal makes before the judge. Grooming and fitting counts, but breed or individual excellence of the animal does not count. Personal grooming of the exhibitor, 4-H insignia and show ring courtesies will also be considered. 4-Hers can compete for premium in 5 classes plus showmanship. Other classes will be for ribbons and/or Awards. If the show warrants, the dairy superintendent will make up registered classes and grade classes for each breed according to the following age groups:

- G640-001 Showmanship Junior**
- G640-002 Showmanship Intermediate**
- G640-003 Showmanship Senior**

Champion & Reserve Champion Showmanship will be awarded in G640-1, 2, & 3

- G640-010 Junior Calves (3-1-19 to 4-30-19)**
- G640-020 Intermediate Calves (12-1-18 to 2-29-19)**
- G640-030 Senior Calves (9-1-18 to 11-30-18)**
- G640-040 Summer Yearlings (6-1-18 to 8-31-18)**
- G640-050 Spring Yearlings (3-1-18 to 5-31-18)**
- G640-060 Winter Yearlings (12-1-17 to 2-29-18)**
- G640-070 Fall Yearlings (9-1-17 to 11-30-17)**
- G640-080 Dry Cow - Any Age**
- G640-090 Two Year Olds (9-1-16 to 8-31-17)**
- G640-100 Three Year Olds (9-1-15 to 8-31-16)**
- G640-110 Four Year Olds (9-1-14 to 8-31-15)**
- G640-120 Five+ Year Olds (Prior to 9-1-14)**
- G640-130 Junior Dairy Herds**

Champion & Reserve will be awarded between G640-10 to G640-130

G640-014 Club Group of Three Animals

Members of a club may show 3 female animals. These are to be owned by two or more exhibitors. They are all to be one breed. Only one entry per club. Independent members may make up a club.

**DAIRY GOAT DIVISION
Superintendents: Jarod Sullivan & Trevor Sullivan**

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$9.00	\$7.50	\$4.50	\$3.00

DAIRY GOAT SHOWMANSHIP

- G650-001 Showmanship Junior**
- G650-002 Showmanship Intermediate**
- G650-003 Showmanship Senior**

Champion & Reserve Champion Showmanship will be awarded in G650-1, 2, & 3

DAIRY GOATS

Milk Out - Goats to be milked within 16 hours of the show

4H'ers can compete for premium in 5 classes plus showmanship. Other classes will be for ribbons and/or Awards.

G651-010	Goat (under 5 months)
G651-020	Goat (5 to 8 months)
G651-030	Goat (8 months to 1 year)
G651-040	Goat (1 to 2 years - Non-milking Doe)
G651-050	Goat (under 2 years - Milking Doe)
G651-060	2 and 3 years -Milking Doe
G651-070	4 years and over -Milking Doe
G651-080	Junior Herd
G651-090	Mother-Daughter
G651-100	Milk Goat & Herd

COMPANION GOATS

G780-903	Doe Kids (less than 12 months)
G780-904	Wether Kids (less than 12 months)
G780-905	Yearling Does - 12-24 months
G780-906	Yearling Wether - 12-24 months
G780-907	Adult Wether - 2 years and older
G780-908	Adult Does - 2 years and older



GOAT DIVISION Superintendents, Jarod Sullivan & Trevor Sullivan

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$9.00	\$7.50	\$4.50	\$3.00

GOAT SHOWMANSHIP

G780-001	Showmanship Junior
G780-002	Showmanship Intermediate
G780-003	Showmanship Senior

Champion & Reserve Champion Showmanship will be awarded in G650-1, 2, & 3

MEAT GOATS

General information: The objective of the 4-H meat goat project is to provide youth with life skills of being responsible, making decisions, planning, organizing and working with others. Most of all, the project member will learn about raising and feeding meat goats. The meat goat project is designed for animals showing meat qualities such as the goats with the Boer influence.

NO hair, dairy or miniature goats will be included in the project.

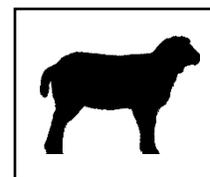
Meat goat exhibitors must follow all the other County Fair livestock project rules.

- Goats will be weighed on entry day and should be a minimum of 45 lbs. and a maximum of 110 lbs.
- After weighing, goats will be divided into weight classes depending on the number of entries and at the superintendent's discretion.
- Exhibitors may enter a maximum of 5 head, with maximum 3 market or 3 breeding.
- All goats must be carrying all milk teeth at the time of check-in.
- All goats must be dehorned or have horns tipped.
- Other wether and female kids may be shown – no billies.

G058-010	Market Goats, Wethers & Nannies (divided by weight)
G058-902	Breeding Spring Born Nannies
G058-903	Breeding Fall Born Nannies
G058-904	Breeding Yearling Nannies
G058-905	Exhibitor group of two Market goats

Champion & Reserve Champion will be awarded for Overall Goat

SHEEP DIVISION
Superintendents: Jarod Sullivan & Trevor Sullivan



Sheep shown must be owned by the club member & be part of the 4-H Sheep project. No cash awards will be made for sheep not fitted for the show ring. A 4-H'er can enter up to 5 sheep with a maximum of 3 market or 3 breeding.

4-H'ers can compete for premiums in 5 classes plus showmanship. Other classes will be for ribbons and/or Awards. Exhibitors may show 3 individual market sheep and a pen-of-three.

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$9.00	\$7.50	\$4.50	\$3.00

SHEEP SHOWMANSHIP

- G630-001 Showmanship Junior**
- G630-002 Showmanship Intermediate**
- G630-003 Showmanship Senior**

Champion & Reserve Champion Showmanship will be awarded in G630-1, 2, & 3

(Lambs Shown in Breeding Classes Not Eligible in Market Lamb Classes)

MARKET SHEEP

Any Market Lamb weighing in UNDER 100 pounds will be put into a Feeder lamb class and will not be eligible for overall Market Sheep.

- G631-010 Market Sheep** (classed by weight)
- G631-901 Rate of Gain Market Lamb**
- G631-003 Pen-of-Three Lambs-** Only 1 Pen per member.

Champion & Reserve Champion will be awarded in each class.

BREEDING SHEEP

(Submit papers to Superintendent)

Purebreds

Breeding lambs under 1 year of age, that are eligible for registration are eligible to show in these classes providing registration papers are made available to the superintendent for the Sire and Dam.

- G632-001 Ewe**
- G631-010 Ram**

Ewes dropped January 1 of current year or after are classed as lambs. For the Dorset breed, this date is September 1 of previous year. All other ewes dropped during previous year are classed as yearling ewes.

- G632-002 Ewe** (over 1 year)
- G632-020 Ram** (over 1 year)

Grades – commercial – no papers

- G632-003 Ewe** (over 1 year)
- G632-030 Ewe Lamb** (under 1 year)

Champion & Reserve Champion will be awarded in G631-1, 2 & 3 and G632-010 to G632-03

SWINE DIVISION
Superintendent: Duane Danielson

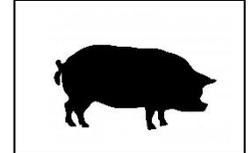
A 4-H'er will be allowed up to four market swine and a pen of 4 at the county fair.

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$9.00	\$7.50	\$4.50	\$3.00

MARKET SWINE

Hogs should weigh between 210 and 300 pounds. There will be no re-weighs. NO hogs under 210 pounds will be eligible for Overall Market Animal.

- G635-001 Showmanship Junior**
- G635-002 Showmanship Intermediate**
- G635-003 Showmanship Senior**



Champion & Reserve Champion Showmanship will be awarded in G635-1, 2, & 3

- G635-010 Market Gilt**
- G635-020 Market Barrow**
- G635-030 Pen-of-Four Market Swine – One entry only, per member**

Champion & Reserve Champion will be awarded in each class

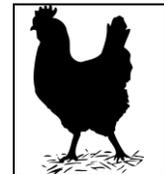
POULTRY DIVISION
Superintendent: Marcia Traudt

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$9.00	\$7.50	\$4.50	\$3.00

Limit of 5 entries (pen of 3 counts as 1 entry) plus showmanship

Poultry

- G670-001 Showmanship Junior**
- G670-002 Showmanship Intermediate**
- G670-003 Showmanship Senior**



Champion & Reserve Champion Showmanship will be awarded in G670-1, 2, & 3

Standard

- G670-004 Cockerel**
- G670-005 Pullet**
- G670-006 Cock**
- G670-007 Hen**
- G670-008 Hen & Rooster Pair**

Bantams

- G670-009 Cockerel**
- G670-010 Pullet**
- G670-011 Cock**
- G670-012 Hen**
- G670-013 Hen & Rooster Pair**

Broilers

- G670-014 Pen of Three Broilers (limit 1 pen)**
 (must be purchased from the Extension Office)

Other

- G670-15 Pen of Three Egg Production (same breed)**

Waterfowl

- G670-016 Ducks**
- G670-017 Geese**
- G670-018 Turkeys**

G670-901 Rate of Gain – (Broilers Only) – choose one bird from your flock – “fattest” bird wins!
(Monetary award – sponsored by M & J Alpaca Farm)

Champion & Reserve Champion will be awarded between G670-004 to G670-008, G670-009 to G670-013, G670-014, and G670-016 to G670-018.

RABBIT DIVISION
Superintendent: Marcia Traudt
Assistant Superintendent: Troy Holloway

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$9.00	\$7.50	\$4.50	\$3.00

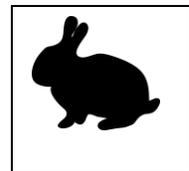
Limit of 5 rabbits per member

RABBITS

Refer to Nebraska Extension showmanship videos for correct way to show rabbits.

Showmanship (maximum length of showmanship is 4 min.)

- G680-001 Showmanship Junior**
- G680-002 Showmanship Intermediate**
- G680-003 Showmanship Senior**

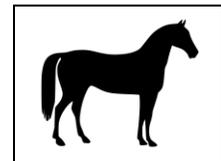


Champion & Reserve Champion Showmanship will be awarded in Class G680-1, 2, & 3

- G680-004 Junior Buck** (under 8 months)
- G680-005 Junior Doe** (under 8 months)
- G680-006 Senior Buck** (over 8 months)
- G680-007 Senior Doe** (over 8 months)

Champion & Reserve Champion will be awarded for the top bucks (Class G680-004 & G680-006) & the top does (Class G680-005 & G680-007).

HORSE DIVISION
Superintendent: TBA



RIDING HORSE

An exhibit in this class shall be identified as a project animal and be identified as the project animal prior to the show. 4-H'ers must wear either a white button up blouse with a 4-H armband or the official county 4-H t-shirt with dark blue or black jeans and English attire for English classes. Scarves, hats and belts are encouraged but not required. Any horse and/or rider entered into a walk trot class may not enter into a class that requires the lope. The judge's decision is final.

Age Group Divisions: Junior (8-11) Intermediate (12-14 years); Senior (15-18 years).

PREMIUMS	Purple	Blue	Red	White
	\$9.00	\$7.50	\$4.50	\$3.00

- G660-001 Showmanship Junior**
- G660-002 Showmanship Intermediate**
- G660-003 Showmanship Senior**

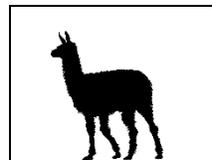
Champion & Reserve Champion Showmanship will be awarded in Class G660-1, 2, & 3

- G660-004 Pleasure Halter (We will break horses into groups once we know how many and ages)**
- G660-005 English Pleasure**
- G660-006 English Equitation**
- G660-007 English Walk-Trot Pleasure**
- G660-008 English Walk-Trot Equitation**
- G660-009 Western Pleasure**
- G660-010 Western Horsemanship**
- G660-011 Western Walk-Trot Pleasure**
- G660-012 Western Walk-Trot Horsemanship**

G660-013 Ranch Horse Pleasure
G660-014 Reining
G660-015 Trail
G660-016 Walk-Trot Trail
G660-017 Pole Bending
G660-018 Barrel Racing
G660-019 Walk-Trot Pole Bending
G660-020 Walk-Trot Barrel

Awards will be determined after pre-fair entries are in. They will either be based on event or by age. See 4-H 373 Horse Show & Judging for instruction on working procedure, appointments, faults, riders' instructions, etc.

LLAMA DIVISION
Superintendent: Holly Jensen
Assistant Superintendent: Kim Wanek



PREMIUMS	Purple	Blue	Red	White
	\$7.00	\$5.50	\$4.00	\$3.00

LLAMA

Showmanship

Exhibitors judged on how well they react with the llama or alpaca, how well llama or alpaca is trained and presentation of llama or alpaca to judge. Conformation of the llama or alpaca is not judged, but control over llama or alpaca and knowledge of anatomy/physiology is.

G710-901 Showmanship Junior
G710-902 Showmanship Intermediate
G710-903 Showmanship Senior

Champion & Reserve Champion Showmanship will be awarded in each Class.

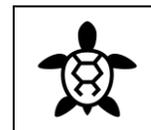
LLAMA PERFORMANCE

Not a timed event. Judging based on how well obstacles are negotiated by exhibitor and llama or alpaca. Importance is placed on how well the exhibitor and llama or alpaca work together. Obstacles simulate those a llama or alpaca and handler encounters in when out in public. Novice Performance consists of 8 obstacles. Intermediate and Advanced Performance consist of 10 obstacles.

G711-901 Junior Performance
G711-1902 Intermediate Performance
G711-1903 Senior Performance

Champion & Reserve Champion Performance will be awarded in each Class.

COMPANION ANIMAL DIVISION
Superintendent: Deana VanDeWalle
Assistant Superintendent: Haley VanDeWalle



There will not be a state fair cat/companion animal show.

All companion animals must be owned by exhibitor by June 1, 2019. Exhibitors are required to be present during the judging of their exhibit. Score is based on presentation, handling of animal and exhibitor knowledge. Animals eligible for the show - This lot cannot duplicate animals that are exhibited in other lots. Therefore, no dogs, rabbits or poultry will be permitted in this show. Health requirements - animals shall be free of fleas, ticks, mites, lice, or other parasites. Animals shall be free of contagious diseases. Any animal showing signs of parasites or disease will not be judged. Ferrets must be vaccinated for rabies. Not more than one entry per category by any exhibitor.

Age divisions are: Junior (8-10), Intermediate (11-13), Senior (14-18) years of age by January 1 of current year.

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$7.00	\$5.50	\$4.00	\$3.00

COMPANION ANIMALS

G713-001 Showmanship Junior

G713-002 Showmanship Intermediate

G713-003 Showmanship Senior

Champion & Reserve Champion Showmanship will be awarded in G713-1, 2, & 3

G713-004 Mammals (ex. Hamsters, Gerbils, Guinea Pigs, Ferret, Chinchilla, Mouse, Rat, Hedgehog, not available as in individual project)

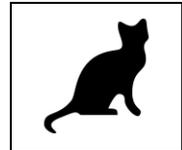
G713-901 Fish, Reptiles, & Amphibians

G713-902 Birds

G713-903 Other Pets (pre-approved by extension staff such as arachnids)

Champion & Reserve Champion will be awarded for top pets.

CAT DIVISION
Superintendent: Deana VanDeWalle
Assistant Superintendent: Haley VanDeWalle



There will not be a state fair cat/companion animal show

All cats must be owned by exhibitor by June 1, 2019. Refer to 4-H Cat/Small Animal Show Guidelines (4H341). ALL CATS MUST BE SHOWN ON A LEASH and must be on a leash at any time they are removed from the carrier/cage. HEALTH RULE - Health: If a cat is not declawed, the claws must be clipped. All animals should be free of fleas, ticks, ear mites, ringworm, any internal and external parasite and infectious disease. If any signs of external parasites or other contagious health conditions are present, exhibitor will be asked to leave without being allowed into the show area. If an animal shows the possibility of being contagious, it is considered a danger to other animals and will not be allowed to show. Animals that pose a danger to others will not be allowed in the building. Vaccinations: Cats are required to be current on rabies, pan leukopenia, viral rhinotracheitis, and calicivirus vaccinations. Cats must have a current feline leukemia vaccination OR proof of a negative test within 180 days of the show. Proof of vaccination must be submitted to the Extension Office by June 15. Participants must have their veterinarian fill out and sign the "Nebraska State Fair Cat/Ferret Vaccination Record Form". 4-H'ers vaccinating their own cats must provide proof by including a statement from their vet on the Vaccination Record or include the vaccination labels on the form and have it signed by a parent. The rabies vaccination is federally mandated to be given ONLY by a Certified Veterinarian. The vaccination must be current and include a veterinarian signature on the Vaccination Record.

Age divisions are: Junior (8-10), Intermediate (11-13), Senior (14-18) years of age by January 1 of current year.

Limit 2 cats per member

PREMIUMS	Purple	Blue	Red	White
	\$7.00	\$5.50	\$4.00	\$3.00

CAT

G690-001 Showmanship Junior

G690-002 Showmanship Intermediate

G690-003 Showmanship Senior

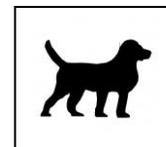
Champion & Reserve Champion Showmanship will be awarded in Class 1, 2, & 3

G690-020 Cat, Long Hair

G690-030 Cat, Short Hair

Champion & Reserve will be awarded in G690-20 & G690-30

DOG DIVISION
Superintendent: Deana VanDeWalle
Assistant Superintendent: Haley VanDeWalle



1. **DOG ELIGIBILITY** - Exhibitor should provide primary training for the dog. The dog should be cared for by the exhibitor the majority of the year by the exhibitor. 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.
2. **VACCINATION** -- All dogs must be immunized for distemper, hepatitis, parvo and rabies. The Nebraska State Fair Dog Show Vaccination Record Form (SF 263) 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. It is not acceptable nor allowed to vaccinate a dog with a 1-year vaccine and plan to have it in effect for 3 years.
3. **NUMBER OF ENTRIES PER EXHIBITOR** - An exhibitor may make no more than two entries, with a limit of not more than one entry in Showmanship, Obedience Classes or Working Class.
4. **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.
5. All dogs must be kept on a leash at all times, except when appropriate during show.
6. **ADVANCEMENT IN OBEDIENCE AND AGILITY CLASSES** – Follow rules in Nebraska 4-H Dog Show Guidelines 4-H 420: <http://go.unl.edu/4h420>. 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 if youth and dog. This may especially occur if the youth has had previous dog handling experiences.
7. **ADVANCEMENT IN SHOWMANSHIP CLASSES** – classes are divided into age divisions: Junior 8-9 (County Only), Intermediate 10-13, Senior 14–18. All 4-H dog exhibitors must show their own animals to be considered as participants in the Showmanship Contest. Showman will be allowed to compete in a division each year based on their age or until they win that particular age group. At State winners must advance to the next age group, therefore at the state fair winners of the Senior division will be ineligible in future dog showmanship contests.
8. **AGE OF DOG** – A dog that is exhibited must be 6 months or older Agility dogs must be 12 months at county and 18 months at state or older to participate in competition.
9. **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.

PREMIUMS	PURPLE	BLUE	RED	WHITE
	\$ 9.00	\$7.50	\$4.50	\$3.00

DOG SHOWMANSHIP CLASSES

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%).

G700-901 Junior Showmanship – Handler is in the first year of county or state 4-H or any other dog show experience. (8-9 year olds)

G700-020 Intermediate Showmanship – Handler is beyond first years' experience of county, state, or other dog show experience. (Ages 10-13 year olds)

G700-030 Senior Showmanship – Handler previously winning a purple Ribbon in Intermediate Showmanship at either county or State Fair dog show. (Ages 14-18 year olds)

Champion & Reserve Champion Showmanship will be awarded in each class.

DOG OBEDIENCE CLASSES

BEGINNING NOVICE - All exercises must be performed on a six-foot leash. Dogs must heel including figure 8; come on recall; stand for examination; long sit for one minute and long down for three minutes.

G701-010 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 experience. Dog being shown may not have completed an AKC "leg" toward a "CD" degree.

G701-020 BEGINNING NOVICE DIVISION B

Beginning dogs with experienced handlers and dogs that have not earned a purple in Division A or B. Handlers may repeat this class until the dog has earned a purple ribbon or award.

G701-030 NOVICE

Dogs must heel on leash including figure 8; heel free; stand for examination off leash, come on recall off leash, long sit for one minute off leash and long down for three minutes off leash.

G701-040 GRADUATE NOVICE

Dogs must heel on leash; heel free including figure 8; drop on recall; stand for examination off leash; long sit for three minutes and long down for five minutes both with handler out of sight.

G701-045 ADVANCED GRADUATE NOVICE

Dogs must heel on leash and figure 8 (off leash), drop on recall, dumbbell recall, recall over high jump, recall over broad jump, and long down.

G701-050 OPEN

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.

G701-055 GRADUATE OPEN

All exercises off leash. Signal exercise, scent discrimination, directed retrieve, moving stand and examination, go out, and directed jumping.

G701-060 UTILITY

The dog will perform five exercises; the signal exercise; the scent discrimination exercise with leather and metal objects; the directed retrieve; moving stand and examination; directed jumping.

DOG AGILITY CLASSES

Agility will follow those procedures and classes described in Nebraska 4-H Dog Show guidelines 4-H 420 to determine class entry. If a youth has not had training or practiced on agility equipment, they may not enter a competition due to safety and training experience in agility. **Wither heights of all agility dogs must be included with advanced entries.** Level 1 & 2 Agility classes are run on-leash. Level 3, 4, and 5 are all run off 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. Obstacle equipment needing repair or deemed unsafe by judge will be excluded from the competition. Judges determine the arrangements of the obstacles on the course. Obstacles in course should be numbered to note the obstacle order for the course.

Level 5 – youth can use additional equipment for competition that they have access to and can use in practice. Obstacles that are used for agility competition events may be included from (AKC, CPE, USDAA, NADAC, UKC, etc.) Agility Jump heights – measure dogs at withers to determine jump height:

- Dogs 11 inches or less – 4 inches
- Dogs 11 to 14 inches – 8 inches
- Dogs 14 to 18 inches – 12 inches
- Dogs over 18 inches – 16 inches

G702-010 Level 1 – 6 obstacles – 3 bar jumps which have two bars each, short dog walk, pause box or table, and tunnel (open)

G702-020 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 and tire jump (hoop jump).

G702-030 Level 3 – 10 obstacles – same obstacles as Level 2 but dogs run off leash for Level 3

G702-040 Level 4 - 13 obstacles– bar jump which has one bar each, bar jump which has two bars each, tall dog walk, pause box or table, tunnel (open), chute (collapsed or closed tunnel), solid panel jump, teeter totter (seesaw), weave poles (single set with 6 poles), and tire jump (hoop jump).

G702-050 Level 5- 15 – 20 of any of the following obstacles such as: bar jump which has one bar each, bar jump which has two bars each, tall dog walk, pause box or table, tunnel (open), chute (collapsed or closed tunnel), solid panel jump, A-frame short, A-frame tall, teeter totter (seesaw), weave poles (single set with 6 poles), weave poles (double set with 12 poles), and tire jump (hoop jump) broad jump, dump jump, triple bar jump, swing bridge, crawl, etc.... Number of obstacles used for a course will depend on ring size and available equipment at show site. Course layout may include more advanced handling techniques.

Champion and Reserve will be awarded for Overall Dog in each age division.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.75	\$3.00	\$2.25

Static Exhibits

Awards will only be given to the top purple ribbon winner in each of the curriculum areas. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Classes that are listed as a "900" number are not eligible to advance to state fair, regardless of ribbon placement.

Animal Science
Superintendent: Christi Aycock
Assistant Superintendent: TBA

Educational Display

4-H members may enter static exhibit(s) related to any animal science project they are enrolled in.

PREMIUMS	Purple	Blue	Red	White
	\$3.75	\$3.50	\$3.00	\$2.50

G090-100 Educational Display for Animal Entries

Rules

4-H'ers are invited to create a poster highlighting an educational aspect of their animal project. The poster could focus on a current livestock issue, animal industry career, animal care or health, economic impacts of the livestock industry. In order to be eligible for the State Fair, posters must have been exhibited at the county fair and received a purple ribbon. Species include dairy, beef, sheep, swine, goat, poultry and rabbit. Poster display should be sturdy enough to last through the fair and no larger than 22 x 28 inches. Only standard poster board will be accepted. Foam Board or cardboard posters are discouraged. NOTE: Please take into consideration that these exhibits will be displayed inside the barns (at State Fair) and may not be returned to the exhibitor in the original condition at the time of entry. Posters will be judged. Refer to scoresheet for this exhibit.

Any 4-H member enrolled in an animal project may enter in these classes. (Dairy, Beef, Swine, Sheep, Goats, Llama, Horse, Dog, Cat, Rabbit, Poultry, Companion Animal/Pets)

G090-901 Watering/Feeding Device

G090-902 Cage/Pen

G090-903 Equipment used by the animal

G090-904 Equipment used by the handler/showman

G090-905 Animal Arts - The purpose of this class is to allow artistic exhibits that contain educational information about animal science. Examples might include paintings, photographs, wood carvings, 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).

G090-906 Notebook - Must include an animal project record book, 3 of the 5 topics listed below, and at least 3 pictures related to the project. a) Knowledge learned about proper feeding and watering and proper safety precautions for your animal; b) Knowledge gained relating to your animal's health: diseases, parasites, signs of illness, etc.); c) Experience gained in training or handling your animal; d) Breeds and their characteristics; e) How you developed leadership, initiative, sportsmanship, and other traits through your animal science project.

G090-907 Other - Any item that is made by the 4-H member and relates to the project.

G090-908 HARD LUCK ANIMAL CLASS - This class is for exhibits or exhibitors that cannot be shown in the project area. Example – show calf dies, dog breaks leg and vet says cannot compete in dog show. Include a story of what you planned on doing with the project, what happened, what you learned from the experience and include a picture.

EMBRYOLOGY

G090-909 Special Interest Display (ex: poster, scrapbook, etc.)

DEPARTMENT H- VETERINARY SCIENCE

Superintendent: Christi Aycock
Assistant Superintendent: TBA



The purpose of the Veterinary Science display is to inform the public about a common health problem of animals or a veterinary science principle. Do not confuse veterinary science exhibit topics with animal husbandry, history or production topics.

A Veterinary Science exhibit may consist of a poster 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.

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, NO ANIMAL FIRST AID KITS WILL BE PERMITTED. Animal first aid kits submitted will be immediately disqualified and not shown.

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 ¼" plywood or equivalent that does not exceed 24" high or 32" wide or in a 3 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.

PREMIUM	Purple	Blue	Red	White
	\$3.75	\$3.50	\$3.00	\$2.50

VETERINARY SCIENCE (Scoresheet: SF119)

H840-001 4-H Veterinary Science Large Animal Poster, Notebook or Display

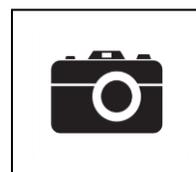
H840-002 4-H Veterinary Science Small Animal/Pet Poster, Notebook or Display

**DEPARTMENT B- COMMUNICATIONS
& EXPRESSIVE ARTS**

Superintendent: Christi Aycock

GENERAL PHOTOGRAPHY RULES

- A. 4-H members are allowed to exhibit in only one photography unit.
- B. 4-H members may enter up to three exhibits but no more than one exhibit per class (see general rules)
- C. An image may only be used on one exhibit with the exception of the UNIT III Portfolio which may include images entered as exhibit prints in other Unit III classes.
- D. Cameras-Photos may be taken with any type of film or digital camera, including phones, tablets, and drones, with the exception of class B181050 which requires a phone or tablet camera.
- E. Manual adjustments are strongly encouraged for Unit III exhibitors.
- F. Photos must be shot by the 4-H member during the current project year with the exception of the Unit III portfolios which may include images captured and or exhibited in previous years.
- G. Securely attach photos, mats, backing, and data tags. Exhibits that are poorly attached may be disqualified.
- H. Do not use photo corners, borders, or place coverings over the exhibits.
- I. Display Exhibits- Display exhibits are allowed in Unit II classes 20, 30, 40, 50, and 70. Displays consist of



three 4x6 photos mounted on a single horizontal 11x14 black or white poster or mat board. 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. Unit II Data tags are required.

- J. Print Exhibits= All print exhibits for both Unit II and Unit III must be 8x10 prints mounted in 11x14 (outside size) cut matting with a sandwich mat board backing. No foam board should be used for matting or backing. Mat openings may be rectangular or oval. Photos may be horizontal or vertical. No frames are allowed. Appropriate unit data tags are required.
- K. Entry Tags- Entry tags must be securely attached to the upper right-hand corner of the exhibit.
- L. Data Tags- Data Tags are required on all photography exhibits. Current data tags and help sheets are available at <https://4h.unl.edu/fairbook/static/photography>
 - a. Unit II showcases--Each photo in the Showcase must have a separate Unit II Data Tag. Altogether, each Showcase exhibit will have 12 Data Tags. These may be displayed on the page before or after the photos.
 - b. Unit II-Prints--All Unit II prints must have a Unit II Data Tag securely attached to the back of the exhibit in the upper right-hand corner.
 - c. Unit III Displays --Each photo of the display must include a separate Unit II Data Tag. Data Tags should be numbered with the corresponding photo's number (see rule J). Data Tags should be securely attached to the back of the exhibit.
 - d. Unit III Portfolios--Each image in the portfolio must have a separate Unit III Data Tag. See class description for more details.
 - e. Unit III Prints--All Unit III prints must have a Unit III Data Tag securely attached to the back of the exhibit in the upper right-hand corner.
- M. Unit III Cumulative Judging- Unit III prints in class 20-70 will receive a cumulative score from three judges. Each judge can award up to five points. Exhibits are judged on a technical and artistic criteria including focus, exposure, lighting, composition, creativity, and appeal. Judges will provide general feedback and critique for Unit III exhibitors based on their individual observations. Unit III cumulative judging will use the SF89 scoresheets.
- N. On Campus Exhibition Selection- Exhibit prints may be selected from state fair entries for special on-campus exhibitions. Selected prints will be collected at the end of the Nebraska State Fair and will be returned to the county Extension Office after the completion of their on-campus exhibition.
- O. Exhibits not following these rules will receive a participation ribbon.

FOCUS ON PHOTOGRAPHY: UNIT 1 GUIDELINES

Unit I Picture Displays:

- Mounted on a single horizontal **14 X 22"** black (preferred) or white poster board. Unless you are entering class B180-906 then the poster board can be smaller to frame your photo.
- Every photo on picture display must be pencil numbered (no. 2 lead pencil) below (for judge's reference only). Numbers should be readable but not detract from display.
- No titles, captions, or stick-on numbers will be allowed.
- Individual photos may be cropped either horizontally or vertically with straight edged scissors. No decorative cuts. Corners must be 90 degrees.
- Photos must be mounted vertically or horizontally.
- Personal Data Tags are required (See General Rule G).

Unit 1 Photo Showcase Journal: (Class 903)

- Choose project area 1,2,3, or 4 in the Level 1 project manual titled "Focus on Photography".
- Complete the pages associated with the project area of your choice (project 1, 2, 3 or 4) or recreate and print the pages (still using actual photos).
- Place pages in an 8 ½ x 11 black or white 3 ring binder.
- Personal Data Tags are required (See General Rule G). For your journal complete only the Showcase Data Tag and include this as page one of your showcase.

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.25	\$1.75

UNIT I CLASSES – FOCUS ON PHOTOGRAPHY

(May use digital camera) (Pictures may be cropped to fit)

- B180-901 Picture Display:** Entry will consist of five pictures. The 4-H member will select one picture from five different categories. Categories to be selected from include: 1. animal, 2. building, 3. people, 4. landscape, 5. trick photography, 6. still life 7. Sports.
- B180-902 Picture Stories Series:** Three to five pictures which tell a photo story and should have a photographic introduction, a body, and a conclusion, all done with pictures. No captions are to be used!
- B180-903 Photo Journal:** An entry will consist of a single completed and bound section of project 1, 2, 3 or 4 in the Level 1 project manual titled "Focus on Photography".
- B180-904 Fun with Shadow Display** Entry will consist of 3 pictures of 3 different subjects that capture the image of the shadow.
- B180-905 Magic and Tricks Display** Entry will consist of a display of 3 pictures of 3 different subjects that use a "special effect" to create Interesting photos. Refer to pages 50 – 51 of the manual.
- B180-906 Favorite Photo:** Entry will consist of favorite photo in size 5 X 7 or 8 X 10. Categories will include, but are not limited to, animal, building, people, landscape, sports, trick photography and still life for the special county entry. Entry will be judged on creativity, clarity and composition.
- B180-907 Composition Comparison:** 5 pictures of the same subject. 1) long shot, 2) medium shot, 3) close-up, 4) ultra-close-up, 5) distance too close for your camera to focus clearly - measure and label this distance.
- B180-908 Picture Series from a Bird's Eye View:** 5 pictures looking at common subjects from above.
- B180-909 Picture Series from a Bug's Eye View:** 5 pictures looking at common subjects from below.
- B180-910 to B180-916 require answers to listed questions to be attached neatly to lower right corner on front of poster.
- B180-910 Still Life Comparison** 4 pictures of the same subject. 1) Hold camera in your hands, 2) Hold camera using a tripod or other stabilizer, 3) Landscape orientation 4) Portrait orientation. Answer these questions: How did the tri-pod/stabilizer picture compare to just holding the camera (Blurry? Tilted?) Comparing the landscape to the portrait orientation, how do they affect the feel or mood of the picture?
- B180-911 Picture Series:** 5 pictures of the same subject taken at least 2 hours apart. Label each with date and time of the picture. Explain which time of day pictures do you like the best and why?
- B180-912 Flash Comparison** 2 pictures of the same subject in bright daylight; 1) without flash, 2) with flash. Also, take 2 pictures of the same subject indoors; 1) without flash, 2) with flash. Explain the differences in each set of two pictures.
- B180-913 Lighting Display:** 4 pictures of the same still life subject; 1) front lighting 2) side lighting 3) back lighting 4) overhead lighting. Explain what this activity taught you about the value of experimenting with a procedure to improve your picture.
- B180-914 Foreground/Background/Landscape Comparison** Take 2 pictures of the same subject. 1) 2/3 sky, 1/3 land 2) 1/3 sky, 2/3 land. Explain the strengths and weaknesses of each photo. Also, two pictures of another subject, 1) main subject in foreground, 2) main subject in the background. Describe the story that each picture tells.
- B180-915 Black and White Comparison:** 2 pairs of photos of the same subjects, (4 photos total) 1) color, 2) black and white. (May set the camera to black and white, or photocopy a color photo.) Explain how the black and white image compares with the color one. Which one did you like best and why?
- B180-916 Cropping Study:** Make 2 copies of one 4x6 photograph of any subject (3 total). Keep the original and crop the two copies two different ways. Pick your favorite of these three and enlarge it to 4x6. Describe the pros and cons of each of these 4 photos.

CONTROLLING THE IMAGE: UNIT II GUIDELINES

PREMIUM	Purple	Blue	Red	White
	\$3.50	\$3.25	\$2.75	\$2.25

UNIT II CLASSES – CONTROLLING THE IMAGE

CLASS B181-010 CONTROLLING THE IMAGE SHOWCASE:

An entry will consist of a three-ring binder showcasing four lessons from the Level 2 Controlling the Image project book. Each lesson showcase should include three separate images. Altogether a Showcase will include a total of 12

photos. Scoresheet SF86—Each lesson should be selected from a different “project area” of the book. For example, you could choose the You Take Control from project area 1, Low Light Challenges from area 2, A Golden Photo from area 3, and Panning the Action from area 4.—Each lesson showcase should include 3 photos taken by the exhibitor which illustrate the lesson. For example, 3 photos using different shutter speeds or 3 photos showcasing the Rule of Thirds. You will take 12 photos in all. The 3 photos should be printed at 4x6 and mounted together on an 8½ x 11 paper. Each individual photo must have a separate Unit II Data Tag. These should be displayed on the page before or the page after the photos. See Rule M. For each lesson include: 1) a description of the lesson you are illustrating and what you learned, 2) changes you made for each photo (shutter speed, aperture, type of lighting), and 3) which photo of the three is your favorite and why. Showcases should be presented in an 8½ x 11 three -ring binder. Plastic sleeves are recommended.

B181-020 LIGHTING DISPLAY OR PRINT: Entry will consist of a display of 3 pictures of 3 different subjects or an exhibit print that demonstrates lighting effects (Low Lighting, Hard Lighting, Soft Lighting, Silhouettes and Lighting with a Flash). Scoresheet SF87 (Controlling the Image, p. 18-33)

B181-030 COMPOSITION DISPLAY OR PRINT: Entry will consist of 3 completely different views or angles of the same subject or a print that illustrates one of the following composition lesson in the Level 2 Project Manual (Rule of Thirds, The Golden Photo, Space Tells the Story, Building a Photo, and Capture a Candid Photo. Scoresheet SF87 (Controlling the Image, p. 34-53)

B181-040 ACTION DISPLAY OR PRINT: Entry will consist of display of 3 pictures or a print which captures action or movement of a subject. Scoresheet SF87 (Controlling the Image, p. 54-61)

B181-050 SMART PHONE CAPTURE DISPLAY OR PRINT: Entry will consist of a display of 3 pictures of 3 different candid or un-posed shots or a print that captures a candid run-posed moment. *This class is only for photos captured on mobile device (phone or tablet). Scoresheet SF87 (Controlling the Image, p. 50-51)

B181-060 THEME PRINT—BEAUTIFUL NEBRASKA: Nebraska’s state song, Beautiful Nebraska, talks of peaceful prairieland, rivers, hills of sand, dark green valleys, and rainbows reaching to the ground.

However, beauty is in the eye of the beholder, and everyone has their own idea of what makes Nebraska great.

Entries in the theme print class should capture and share what the exhibitor finds beautiful in or about Nebraska.

Exhibitors should explain how their photo fits the Beautiful Nebraska theme when answering question #1 of the Data Tag.SF87

B181-070 DIGITALLY ALTERED DISPLAY OR PRINT: Digitally altered prints/displays must be created using one or more original images taken by the exhibitor. Photos must be digitally altered in some way that results in a new and unique image. This might include adding text, Textures, or illustrations, applying digital filters, superimposing multiple images, etc. Exhibitors should clearly explain what digital manipulation was done and what computer software was used to create the exhibit when answering questions #2 of the Data Tag. A copy of the original, unaltered photon(s) (no larger than 4x6) should be attached to the back of the exhibit. This is for the judges’ reference and does not need to be a high-quality print. Scoresheet SF87 DIVISION 182

Classes 901-903 require answers to listed questions to be attached neatly to lower right corner on front of poster.

B181-901 Aperture Study: Take 3 photos of still subjects. Test different aperture settings but leave the shutter speed the same. Record the settings below each picture. Describe how your pictures changed with changes in the aperture.

B181-902 Shutter Speed Study Take 3 photos of moving water. (Fountain, water fall, sprinklers, etc.) Test different shutter speeds but leave the aperture the same. Record your settings below each picture. Describe how your pictures changed with the changes in the shutter speed.

B181-903 Focus Study: Select a daylight scene and take two pictures. 1) set the aperture at its largest opening (f/2.8 to f/4) and the other at the smallest aperture opening (f/9 to f/22 depending on your camera.) Adjust the shutter speed. Describe and compare the depth of field in picture 1 and 2.

B181-904 Silhouette Display: Entry will consist of 3 photos of 3 different subjects using back light in order to form silhouettes.

B181-905 Silhouette Exhibit Print: Entry will consist of exhibit print that demonstrates backlight in order to form a silhouette of a subject.

B181-906 Flash Photography Study: Take 3 pictures of the same subject using a variety of flash techniques such as camera mounted flash, side flash, flash bounced off the ceiling or wall, diffused flash with masking tape, tissue, or other item, flash diffused with your finger, or using a reflector. Label each picture with technique used.

B181-907 Rule of Thirds, Golden Triangle and Golden Rectangle Study: Display photos, one using the rule of thirds, one using the golden triangle, and one using the golden rectangle. Make a template of each rule out of velum, tracing paper, or clear plastic and overlay each photo. Label each one (1 photo each of 3 different subjects).

B181-908 Bits and Pieces Entry will consist of three photos of close-ups of familiar items. Fill the frame with small parts of whole subjects.

B181-909 Panorama: Take a series of 3 – 5 pictures from the same spot and splice them together to make a panorama.

- B181-910 Lighting Exhibit Print:** Entry will consist of an exhibit print that demonstrates lighting effects.
- B181-911 Action Exhibit Print:** Entry will consist of an exhibit print that captures motion and represents the action in the photo.
- B181-912 Spelling Bee Exhibit Print:** Photograph any letter of the alphabet in your surroundings. Find letters in the architecture of buildings, growing in a garden or on items in your own home.
- B181-913 Spelling Bee Display** Spell a word in pictures. Photograph letters of the alphabet in your surroundings and combine them to spell a word. Use appropriately sized mat board for your display.

UNIT III: MASTERING PHOTOGRAPHY

B182-010 PHOTOGRAPHY PORTFOLIO: Entry will consist of ten photos that represent the strongest collection of the participant's work. See the notes above regarding details for the class. Scoresheet SF88 Portfolios should include a minimum of 10 different images from the 4-H member's photography career. At least 3 images should be from the current year. The remaining images may have been taken at any time during the member's 4-H experience and may have been previously exhibited. Photos should represent the 4-H member's strongest collection of work. Place photos in a plastic sleeve and present them in an 8½x 11 three-ring binder. Recommended photo size is 8x10. Matting is not necessary. Portfolios should include: A narrative describing the overall intent of the portfolio (for example, the portfolio could include a range of work from earlier years in 4-H photography to the present, you could have a creative theme for your portfolio or you could include photos that illustrate your diverse photography skills), A table of contents Titles for each image, Unit III Data Tags for each image, and A paragraph describing how each image contributes to the overall intent of the portfolio.

B182-020 ADVANCED LIGHTING PRINT: Entry will consist of a print that utilizes advanced and creative lighting techniques. Scoresheet SF89 (Mastering Photography, p. 18-33)

B182-030 ADVANCED COMPOSITION PRINT: Entry will consist of a print that demonstrates advanced and creative composition techniques. SF89 (Mastering Photography, p. 34-50)

B182-040 PORTRAIT PRINT: Entry will consist of a print that captures both physical characteristics and personality in a living subject. Scoresheet SF89 (Mastering Photography, p. 46-53)

B182-050 CHALLENGING PRINT: Entry will consist of a print that illustrates a non-digital special effector demonstrates an advanced photography technique, such as double exposure, light painting, multiple flash exposure, filters, night time exposure, astrophotography, underwater photography, studio lighting, or other technique not listed. Exhibitor should identify which challenging technique or special effect was used when answering question #1 of the Unit III Data Tag. Scoresheet SF89 (Mastering Photography, p. 14-17, 22-25, 66-69)

B182-060 THEME PRINT–N150: February 15, 2019 marks 150 years since the day the state of Nebraska chartered the University of Nebraska. That's 150 years of history to appreciate, impact to unpack, and stories to tell. Much has happened since 1869, all for the purpose of changing lives, advancing knowledge, and fulfilling dreams. How has the University of Nebraska impacted you, your family, or your community? How can you tell this story through photography? Exhibitors should explain how their photo fits the N150 theme when answering question #1 of the Data Tag. Scoresheet SF89

B181-070 DIGITALLY ALTERED PRINT: Digitally altered prints must be created using one or more original images taken by the exhibitor. Photos must be digitally altered in some way that results in new and unique images. This might include adding text, textures, or illustrations, applying digital filters, superimposing multiple images, etc. Exhibitors should clearly explain what digital manipulation was done and what software was used to create the exhibit when answering questions #2 of the Data Tag. A copy of the original, unaltered photo(s) (no larger than 4x6) should be attached to the back of the exhibit. This is for the judges' reference and does not need to be a high-quality print. Scoresheet SF89

B182-901 Portrait Exhibit Print: Entry will consist of a print that captures both physical characteristics and personality in their **non-human** subjects.

B182-902 Challenging Exhibit Print: Entry will consist of a print that illustrates the special effect of **Light Painting**. *Remember to answer the additional question for this class on Part B of the data tag

B182-903 Challenging Exhibit Print: Entry will consist of a print that illustrates the special effect of **Flash Multiple Exposure**. *Remember to answer the additional question for this class on Part B of the data tag

B182-904 Challenging Exhibit Print: Entry will consist of a print that illustrates the special effect of **Filters**. *Remember to answer the additional question for this class on Part B of the data tag

B182-905 Challenging Exhibit Print: Entry will consist of a print that illustrates the special effect of **Night Time Exposure**. *Remember to answer the additional question for this class on Part B of the data tag

B182-906 Challenging Exhibit Print: Entry will consist of a print that illustrates the special effect of **Zooming** (to create the effects of motion in your photo).

B182-907 Challenging Exhibit Print: Entry will consist of a print that illustrates the special effect of **Digitally Altered Photos**. *Remember to answer the additional question for this class on Part B of the data tag

B182-908 Challenging Exhibit Print: Entry will consist of a print that illustrates **any other special effect technique not listed in B182-50 to B182-56 above**.

County Contest FCS DAY – June 20, 2019

FAVORITE FOODS CONTEST

The Favorite Foods Contest will be held on June 20, 2019 at 9 a.m. Awards will be given to the Grand Champions in each age divisions. Winning entries will be displayed at the fair. Participants should plan a menu suitable for an indoor or outdoor meal. Prepare one food from the menu and bring it along with selected table service, display cards, and own card table. Recipe prepared may or may not be from a 4-H project manual. The food may be an individual or family-size serving. Recipes may be from any part of the menu. The table service will include: dishes, flatware and table linens for one or two place settings. Paper plates, etc. are acceptable. Print the occasion (example: lunch for bike hike) and complete menu on one card and the recipe prepared on another.

Fresh flower centerpieces may be used if the flowers have been arranged by 4-H member. Silk or other centerpieces may be used.

Displays will be set up by the 4-H'er at the 4-H Building the day of the contest. Individual will interview judge and should be able to demonstrate healthy decision making through nutrition, menu planning, food preparation and food safety; apply healthy living knowledge.

Champions and Reserve Champions will be on display at the fair.

Pre-register by June 13th by calling the Extension Office at 402-694-6174.

	PREMIUM	Purple	Blue	Red	White
<u>Favorite Foods Contest</u>		\$5.00	\$4.75	\$4.25	\$3.75
T500-905 Junior (8-10)					
T500-906 Intermediate (11-13)					
T500-907 Senior (14-18)					

COUNTY LIFE CHALLENGE CONTEST

Rosettes will be awarded for Grand Champion and Reserve Champion in each age division. Participants will answer questions representing information found in Citizenship, Human Development, Clothing and Textiles, Consumer Management, Home Environment, and Food and Nutrition.

	PREMIUM	Purple	Blue	Red	White
<u>County Life Challenge Contest</u>		\$4.00	\$3.75	\$3.00	\$2.25
T500-908 Junior (8-11)					
T500-909 Senior (12-18)					

COMMUNICATIONS

Presentations Contest



A 4-H Presentation, given by one (1) individual or a team of two (2) individuals, is a live presentation with a formal talk where youth will use visual aids (such as props, posters, computer-based visuals, handouts, video, etc.) to show and tell others how to do something. Presentations are given on a stage. Judge views the entire presentation and engages in a question and answer session following presentation. Educational resources for youth participating in the 4-H Presentations Contest can be found in the 2018 4-H Project Resource Central found at <http://4h.unl.edu/resources>.

County Contest will be June 20, at the 4-H Building, Aurora. Pre-register by June 13th by calling the Extension Office at 402-694-6174.

Rules

1. Participant Requirements:

All participants must be 10 years old before January 1 of the current year to qualify for the State Contest.

All participants must have received a purple rating at a County 4-H Presentations contest to qualify for the State Contest.

Youth may only participate in one class within Division 151.

All classes require the presence of the contestant(s).

A team presentation, consisting of two (2) individuals, may be given for any class; there is no separate class for team presentations.

Time limit is 6-8 minutes for a presentation given by an individual, and 8-10 minutes for a presentation given by a team. Participants may be penalized if their presentation exceeds the time limits.

Each participant is required to wear one of following: The County Fair 4-H t-shirt provided to them the 4-H chevron, or the 4-H emblem during their presentation.

2. Presentation Topic:

All 4-H Presentations topics should be related to how the 4-H youth is learning about science, healthy living, citizenship, and agricultural literacy.

Enrollment in the project area in which the participant is making a presentation is not required.

4-H Presentations should include an introduction (the "why" portion of the topic), a body (the "show and tell" portion of the topic), and a conclusion/summary (the "what" portion of the topic).

3. Contest Information: The contest dates and locations are shown above.

Presenters are expected to clean up the areas in which they work.

Equipment provided includes two (2) tables, one (1) easel, PC Compatible Computer (including the following software: Apple QuickTime Player, Microsoft Windows Media Player, and Microsoft PowerPoint 2016) with Wi-Fi internet connectivity.

Presenters using computer-based visuals may bring files on a USB drive that is PC formatted. Participants may also provide their own computer or other equipment as needed; however, participants must be able to connect their computer to projector.

Live animals may be used in the presentation. All State Fair Livestock Health Requirements must be followed.

Presenters are responsible for all stalling arrangements, care and handling of animals. Animals can only remain in the presentation area while the owner is present.

	Individual	Team
Junior (County Only) 8-9 years old	3-5 min	5-7 min
Intermediate 10-13 years old	6-8 min	8-10 min
Senior 14-18 years old	6-8 min	8-10 min

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.75	\$4.25	\$3.75

PRESENTATIONS CONTEST (COMMUNICATIONS)

B151-113 Illustrated Presentation (Scoresheet: SF 65)

B151-114 Illustrated Presentation, Special Topic: Nebraska Agriculture (Scoresheet: SF 65)

B151-115 Illustrated Presentation, Special Topic: Nebraska Agriculture, Food Preparation (Scoresheet: SF 65)

Teaching (Trade Show Exhibit) Presentations Contest

A Teaching (Trade Show Exhibit) Presentation, given by one (1) individual 4-H youth, is a live, interactive, trade show style presentation where youth will continuously engage a constantly-changing/moving audience for 30 minutes by showing and telling them how to do something while answering questions. Multiple (up to 6) Teaching Presentations will be scheduled simultaneously, allowing fairgoers/contest attendees to learn from many 4-H youth at one time.

Teaching Presentations are given behind a table amongst 4-H exhibits. Judge occasionally stops to view presentation, ask questions, and observe audience engagement. Educational resources for youth participating in the Teaching Presentations Contest can be found in the 2019 4-H Project Resource Central found at <http://4h.unl.edu/resources>.

Contest Rules

Participant Requirements:

- All participants must be 10 years old before January 1 of the current year to qualify for the State Contest.
- Any Teaching (Trade Show Exhibit) Presentation that has been previously shared at the County 4-H Presentation Contest or other event that has a live audience (4-H Club Meeting, Community Event, etc.) is eligible for this division.
- The class requires the presence of the contestant(s).
- Participants will present for 30 minutes.
- Each participant is required to wear the 4-H chevron, 4-H emblem, or 4-H shirt during their presentation.

Presentation Topic:

- Teaching (Trade Show Exhibit) Presentations should engage the audience and teach them about something the 4-H youth is learning about science, healthy living, citizenship, and agricultural literacy.
- Enrollment in the project area in which the participant is making a presentation is not required.

Contest Information:

- Presenters are expected to clean up the areas in which they work.
- Equipment provided includes one (1) table, one (1) easel, and electricity and Wi-Fi internet connectivity.
- Live animals may be used in the presentation. All State Fair Livestock Health Requirements must be followed. Presenters are responsible for all stalling arrangements, care and handling of animals. Animals can only remain in the presentation area while the owner is present.
(Scoresheet: SF 66)

B152-001 Teaching Presentations Contest**B152-002 Teaching Presentations Contest, Special Topic: Science****Digital Video - 4-H FilmFest**

The 4-H FilmFest is the display of digital videos that show the recording, reproducing, and broadcasting of moving visual images; digital videos may be created by one (1) individual or a team of two (2) individuals. During the Hamilton County Fair and the Nebraska State Fair 4-H FilmFest, youth will provide a 1-minute oral introduction (name, background/goal of presentation, intended audience, where presentation could be shared, etc.) followed by the showing of their digital video. The following digital videos may be entered in the Nebraska State Fair 4-H FilmFest:

- Video Public Service Announcement: A short video that communicates an educational message focused on a cause, activity, or event (Length: 60 seconds).
- Narrative: A video that tells a fact or fiction story (Length: 3-5 minutes).
- Documentary: A video that presents factual information about a person, event, or process (Length: 3-5 minutes).
- Animation: A video created by techniques that simulate movement from individual images (Length: 3-5 minutes).

Digital videos submitted will be judged live at the FCS Day on June 20, 2019. The judge will view the videos live and engage in a question and answer session with the video producer(s). The 4-H participant will be on the stage for a formal introduction and then seated in the audience for viewing of video.

Communication Modules for youth participating in the 4-H FilmFest (Digital Video) Contest can be found in the 2019 4-H Project Resource Central found at <https://4h.unl.edu/resources>. Video examples of the contest can be found at <https://4h.unl.edu/presentation-contest>.

Rules

1. Participant Requirements:
 - All participants must be 10 years old before January 1 of the current year to qualify for the State Fair.
 - Any 4-H FilmFest digital video that has been previously shared at the County 4-H Presentation Contest or other event that has a live audience (4-H Club Meeting, Community Event, etc.) is eligible for this division.
 - The class requires the presence of the contestant(s).
 - Each participant is required to wear the 4-H chevron, 4-H emblem, or 4-H shirt during their presentation.
2. Film Topic:
 - 4-H FilmFest digital videos should engage the audience and teach them about something the 4-H youth is learning about science, healthy living, citizenship, and agricultural literacy.
 - Enrollment in the project area in which the participant is making a presentation is not required.
3. Contest Information:
 - The contest date, time, and location is shown above.
 - All digital videos entered in this class must be submitted to the Hamilton County Extension Office prior to June 14, 2018. The video may include photos, clip art, animation, text, and/or audio/sound. Any freeware/software program may be used to create the presentation. However, the only file formats that will be accepted include: .mpeg, .wmv, .mp4, .mov, .ppt, .pptx, or .avi.

B153-001 4-H FilmFest (Digital Video) Contest (SF67)

Communications

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.25	\$1.75

Communications, Module 1

B154-901 Symbol Scrapbook - Photograph 10 symbols and include in a scrapbook that shares where the symbol was observed, what this symbol communicates, and other places where this symbol might be observed.

B154-902 Storyboard a 4-H Project – Create a storyboard that explains the steps that were completed from the beginning to the end of a 4-H project that was previously completed in another area.

B154-903 Communications Game - Create a quiz game for your family or 4-H club members by selecting topic categories, writing and answering questions within these categories, and assigning point values to each question. Place this information on 3"x5" index cards and display quiz game on a poster board. Explain how this game could be used and its purpose.

B154-904 Caring Correspondence. Create a formal or an informal letter, e-mail, or note that shows how much you care, such as a letter of appreciation, a thank you note, or a friendship card.

PREMIUM	Purple	Blue	Red	White
	\$3.25	\$3.00	\$2.50	\$2.00

For each class, create an educational exhibit (a poster (14"x22"), an essay (3-5 pages), a video (1-3 minutes), or small display of educational nature) that displays the information requested.

Communications, Module 2

Use one or a combination of the experiential activities in the Communications, Module 2 curriculum to create an educational poster or essay sharing with others what you have learned. Topics may include, but are not limited to:

- Identifying cultural differences in communication
- Developing guidelines for internet etiquette
- Evaluating another person's presentation
- Identifying communication careers
- Preparing a presentation using a form of technology

B154-001 Poster (Scoresheet: SF94). Create a poster, measuring either 22"x28" or 24"x36", that showcase what was learned in this project area.

B154-002 Essay (Scoresheet: SF94). Write an essay (3-5 pages) that showcases what was learned in this project area.

PREMIUM	Purple	Blue	Red	White
	\$3.50	\$3.25	\$2.75	\$2.25

Communications, Module 3

Use one or a combination of the experiential activities in the Communications, Module 3 curriculum to create an educational poster, essay, or digital media sharing with others what you have learned. Topics may include, but are not limited to:

- Composing a personal resume
- Completing research on a speech or presentation topic
- Identifying ways to reduce risks online
- Evaluating own cell phone usage and etiquette
- Critiquing advertisements
- Job shadowing a communication professional

B154-003 Poster (Scoresheet: SF94). Create a poster, measuring either 22"x28" or 24"x36", that showcase what was learned in this project area.

B154-004 Essay SF94. Write an essay (3-5 pages) that showcases what was learned in this project area.

B154-005 Digital Media (Scoresheet: SF94). Design a form of digital media (advertisement, flyer, short video or presentation, social media or web page, etc.) that showcases what was learned in this project area. Upload the digital media file to an online location (web site, Dropbox, Google Drive, YouTube, Flickr, etc.) and using the web address of the digital media file, create a QR code (using any free QR code creator, ex. qr-code-generator.com). Print the following on an 8.5"x11" sheet of cardstock: 1) the QR code, 2) 1-3 sentences about what viewers will see when they access the QR code on their mobile device.

PUBLIC SPEAKING CONTEST (Speech Contest) March 19, 2019

SPEECH

- All speeches must be original and include 4-H as the major component of the speech.
- Many speakers in the Public Speaking Contest have given speeches in other contests. This is fine; however previous speeches may not be used verbatim for the 4-H contest. It is okay to use the same ideas from a speech previously delivered in competition, but it must be 4-H related. Enough changes should be made to make that speech new to the speaker and the audience. 4-H public speakers may not use an old speech written by a sibling, other 4-H member, or anyone else.
- Acknowledge the source of information used in the speech. For example, an article from a magazine may be used for reference but should not be quoted directly unless you tell the audience your source.
- Use of visual aids and props are not allowed
- Dress appropriately. Do not wear costumes or special effect clothing. • No team speeches are allowed.

PUBLIC SERVICE ANNOUNCEMENT (PSA)

All PSA's are 60 seconds in length. • The state theme for the 2019 Public Service Announcement is ***"Inspire Kids to Do"*** and should be incorporated in the PSA.

- All radio PSA's must promote 4-H and be general enough to be used anywhere in Nebraska at any time of the year.
- All 4-H PSA's must include the following tag line within the last ten seconds of the PSA: "Learn more about Nebraska Extension 4-H Youth Development Program at 4h.unl.edu." The tag line is included in the 60 second time limit. The tagline Know How, Know Now should not be used.
- Sound effects and public domain music may be used. Copyrighted material may not be used. • All PSA's must be the original work of the presenter. Contestants may not use PSA's written and provided by the state or national staff.
- No team PSA's are allowed. • Radio PSA's will be submitted electronically as a .wav or mp3 format along with 1 copy of the PSA text. (No CDs accepted)

Award will be awarded to top purple ribbon winner in each division with the exception of Clover Kids.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.75	\$4.25	\$3.75

PUBLIC SPEAKING CONTEST (March 19, 2019)

4-H age divisions:

Clover Kids: ages 5-7, ½ - 2 minutes

Original Speech or Any Reading (poem or story) Participation Ribbons only

Novice (first time speaker)

Novice Original: ages 8-10, 3 minutes or less

Novice Reading: ages 8-10, 3 minutes or less

Junior: 8-10, 1-3 minutes

Original speech related to 4-H

Intermediate: 11-13, 3-5 minutes

Original speech related to 4-H

Senior: 14-18, 5-8 minutes

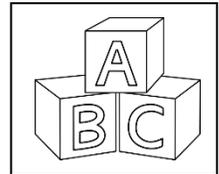
Original Speech related to 4-H

B990-001 Public Speaking Contest

B990-002 Public Service Announcement (PSA)

**DEPARTMENT C-
CONSUMER & FAMILY SCIENCES**

**HUMAN DEVELOPMENT
Superintendent: Christi Aycock**



The term Human Development includes child care, family life, personal development and character development. To learn characteristics of suitable and unsuitable toys and for characteristics of children at various stages of development, please refer to the new 4-H online resource: <https://unl.box.com/s/eoigrjsug67yvtq1def160mmjuhozvck> - What It Takes to Be Your Teen Babysitter. In addition another resource that will assist youth in understanding young children is the Nebraska Early Learning Guidelines: <http://www.education.ne.gov/OEC/elg.html>

Information sheets for Classes 1-6 should include: (Final ribbon placing of the exhibit will include the completeness and accuracy of this information sheet)

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

Information sheet for Class 8 should include:

- 1) What are children this age like? Give 2 examples to show how the kit would be appropriate for children this age.
- 2) What will the child learn or what skills will they gain by using the kit?
- 3) 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).

Premier 4-H Science Award is available in this area.

Exhibitors in the Human Development project area will be asked to focus on designing toys that meet the different needs of children. New categories exist as of 2016 and 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.

	PREMIUM	Purple	Blue	Red	White
Classes 1-7, 9-11, 901,902	\$3.00	\$2.75	\$2.25	\$1.75	
Class 8	\$4.00	\$3.75	\$3.25	\$2.75	

HUMAN DEVELOPMENT

4-H'ers taking I HAVE WHAT IT TAKES TO BE A BABYSITTER may enter:

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 your project manual. <http://www.education.ne.gov/OEC/elg.html>. Information sheet required or exhibit will be dropped a ribbon placing for classes 1-6.

C200-001 SOCIAL EMOTIONAL DEVELOPMENT (Scoresheet – SF30)

C200-002 LANGUAGE and LITERACY DEVELOPMENT (Scoresheet: SF30)

C200-003 SCIENCE (Scoresheet: SF30)

C200-004 HEALTH and PHYSICAL DEVELOPMENT (Scoresheet: SF30)

C200-005 MATH (Scoresheet: SF30)

C200-006 CREATIVE ARTS (Scoresheet: SF30)

C200-007 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 child care or child interactions. May include photos, captions, story or essay. Size of exhibit is your choice. Other people may take photos so 4-H'er can be in the photos. 4-H'er must make scrapbook or poster. No information sheet needed for class 7. (Scoresheet – SF 115)

C200-008 BABYSITTING KIT Purpose of the kit is for the 4-H'er to take this 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. 4-H'er should 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 C200008 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. (Scoresheet – SF85)

4-H'ers taking any of the projects in Department C-200 may enter:

C200-009 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. (Scoresheet – SF 115)

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

C200-010 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. (Scoresheet – SF 115)

C200-011 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. (Scoresheet –SF 115)

TOYS FOR CHRISTMAS CHEER SERVICE PROJECT

These toys will receive participation ribbons instead of a placing. They will be donated to a local civic organization to give to needy children at Christmas.

TOYS FOR CHRISTMAS CHEER

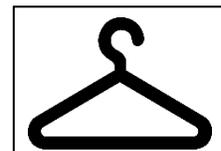
C207-901 Refurbished Toy Restore any kind of doll or toy.

C207-902 Make-Your-Own-Toy Make any type of doll or toy. With each entry, you'll need to include an index card (3"x5") telling what you did. You may also want to include a "before" picture so the judge can see what the toy looked like before you fixed it up.

CLOTHING

Superintendent: Beth Andrews

(An article of clothing chosen for State Fair in both construction and fashion show can only be shown in one at the state level, exhibitor must choose)



PREMIUM	Purple	Blue	Red	White
	\$4.50	\$4.25	\$3.75	\$3.25

GENERAL CLOTHING

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

C220-001: Clothing Portfolio-Scoresheet SF20 –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 1/2 x 11, 3 ring binder. Include an appropriate cover. Portfolio should build upon itself each year (additional pages can be added each year, but should be dated.) See pages 9-11 in STEAM Clothing 2: Simply Sewing project manual for portfolio formatting.

C220-002: Textile Science Scrapbook-Scoresheet SF20–Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in STEAM Clothing 2: Simply Sewing project manual to identify fabric swatches. Completed textile cards should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. Textile Science Scrapbook should build upon itself each year (additional pages can be added each year, but should be dated). See project manual for fabric suggestions.

C220-003: Sewing For Profit-Scoresheet SF63-using page 161-167 in the STEAM Clothing 2: Simply Sewing project manual, display what products you posted online and analyze the cost of goods purchased to determine the appropriate selling price for your product. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".

STEAM BEYOND THE NEEDLE

4-H members must show their own original creativity

C221-001 Design Portfolio SF20 A portfolio consisting of at least three design samples or activities. Refer to the project manual for activity ideas. The Portfolio should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. (Additional pages can be added each year but should be dated.) See pages 14-16 for portfolio formatting.

C221-002 Color Wheel SF20 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".

C221-003 Embellished Garment with Original Design SF26 Create a garment using intermediate or advanced techniques as defined in the project manual. Designs are the original idea of the 4-Her using the elements and principles of design to make an original statement.

C221-004 Original Designed Fabric Yardage SF 27 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. Include information on how the fabric was designed – describe the process and how the fabric will be used. If additional information is not included, exhibit will be lowered one ribbon placing

C221-005 Item Constructed from Original Designed Fabric SF26 Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added. Include information on how the fabric was designed – describe the process and materials used. If additional information is not included, exhibit will be lowered one ribbon placing.

C221-006- Textile Arts Garment or Accessory (Scoresheet: SF25) A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. A description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing

C221-007 – Beginning Fashion Accessory (Scoresheet: SF23) an accessory designed and constructed using elements and principles of design; can be textile or non-textile based. Examples: shoes, bracelets, scarves, etc. A description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing.

C221-008 Advanced Fashion Accessory (Not eligible for State Fair Fashion Show)-Scoresheet SF23 -An accessory designed and/or constructed using elements and principles of Design and advanced skills; can be textile or non-textile based. Example: peyote stitch, bead embroidery, advanced design on tennis shoes, metal stamping, riveting, resin, and etc. A description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing.

C221-009 Wearable Technology Garment (Eligible for State Fair Fashion Show)-Scoresheet? -Technology is integrated into the garment in some way (For example: LEDs, charging capabilities, sensors, and etc.)Class

C221-010 Wearable Technology Accessory (Not eligible for State Fair Fashion Show) -Scoresheet? -An accessory constructed integrating technology into the accessory (For Example: Charging Backpack, Fitness Tracker, and etc.

PREMIUM	Purple	Blue	Red	White
	\$4.25	\$4.00	\$3.50	\$3.00

C221-901 A Garment Constructed, Purchased or Upcycled with Decorative Art (Simple techniques, kits, iron-ons that are changed in some way)

C221-902 Beginning Embellished Garment with Original Design - Create a garment using beginning techniques as defined in the project manual. Designs are the original idea of the 4-Her using the elements and principles of design to make an original statement

C221-903 Beginning Textile Clothing Accessory constructed or decorated using beginning techniques as defined in the project manual. Entry examples include hat, bag, scarf, gloves, apron, etc.

PREMIUM	Purple	Blue	Red	White
Classes 906-911, 917	\$3.50	\$3.25	\$2.75	\$2.25
All other classes	\$4.50	\$4.25	\$3.75	\$3.25

STEAM Clothing 1

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

C900-901 Clothing Portfolio Complete at least three different samples/activities from Chapter 2 OR Chapter 3 of the project manual. The Portfolio should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover, dividers, and table of contents. (Additional pages can be added each year but should be dated.) See pages 9-11 for portfolio formatting.

C900-902 Sewing Kit Include a list of sewing notions and purpose for each included. (pg. 12-17 in project manual)

C900-903 Fabric Textile Scrapbook Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 1/2 x 11, 3-ring binder. Include an appropriate cover. See project manual for fabric suggestions.

C900-904 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 118-121. Exhibits should include pictures, NO actual pillows.

C900-905 Clothing Service Project Can include pillows or pillowcases but are not limited to. Exhibit (not to exceed 22" x 30") a notebook, poster, small display sharing information you generated in the project activity "Serving A Purpose" page 122 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 one-way designs, plaids, stripes, napped or jersey knit. Patterns should be simple without darts, set-in sleeves, or collars. Raglan and kimono sleeves are acceptable.

C900-906 Pincushion and Needle Book

C900-907 Pillowcase

C900-908 Simple Pillow No larger than 18" x 18".

C900-909 Bag/Purse No zippers or buttonholes.

C900-910 Laundry Bag

C900-911 Table Runner

C900-912 Simple Top

C900-913 Simple Bottom (pants, shorts, or skirt)

C900-914 Simple Dress

C900-915 Other Using skills learned in project manual (apron, vest, etc.)

C900-916 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 or it will be disqualified.

C900-917: 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 or it will be disqualified.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.75	\$4.25	\$3.75

UNIT 2 – STEAM Clothing 2 - SIMPLY SEWING

Exhibits entered in this project must reflect at least one new skill learned from this manual. (See project manual skill-level list). 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 Clothing1.

C222-001 Design Basics, Understanding Design Principles (Scoresheet: SF20) 4-H members enrolled in STEAM Clothing 2 may enter an exhibit sharing a learning experience from pages 17-20 in the project manual. **Include answers to questions found on page 20 of the manual.** The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".

C222-002 Pressing Matters (Scoresheet: SF20) 4-H Members enrolled in STEAM Clothing 2 may enter a ham or sleeve roll from pages 21-25 "A Pressing Matter" in the project manual. Exhibit should include answers to lesson questions that are most appropriate to include.

C222-003 Upcycled Garment (not eligible for the State Fashion Show) (Scoresheet: SF21) 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 "before" picture and a description of the redesign process must accompany the entry.

C222-004 Upcycled Clothing Accessory (not eligible for the state fashion show) (Scoresheet: SF22) 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 "before" picture and a description of the redesign process must accompany the entry.

C222-005 Textile Clothing Accessory (Scoresheet: SF23) (not eligible for the State Fair Fashion Show) Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM2. 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.)

(Scoresheet: SF28) for the following classes

C222-006 Top (not eligible for State Fair Fashion Show) **(vest acceptable)**

C222-007 Bottom (not eligible for State Fair Fashion Show) **(pants or shorts)**

C222-008 Skirt (not eligible for State Fair Fashion Show)

C222-009 Lined or Unlined Jacket (not eligible for State Fair Fashion Show)

C222-010 Dress (eligible for State Fair Fashion Show) **(not formal wear)**

C222-011 Romper or Jumpsuit (eligible for State Fair Fashion Show)

C222-012 Two-Piece Outfit (eligible for State Fair Fashion Show)

C222-013 Alter Your Pattern-Scoresheet TBD (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)

C222-014 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

PREMIUM	Purple	Blue	Red	White
	\$6.00	\$5.75	\$5.25	\$4.75

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.

C223-001 Upcycled Garment (not eligible for the state fashion show) (Scoresheet: SF21) 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 “before” picture and a description of the redesign process must accompany the entry.

C223-002 Upcycled Clothing Accessory (not eligible for the State Fashion Show) (Scoresheet: SF22) 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 “before” picture and a description of the redesign process must accompany the entry.

C223-003 Textile Clothing Accessory (Scoresheet: SF23) (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 (i.e. barrettes, headbands, flip flops, duct tape, etc.)

SF28 for the following classes

C223-004 Dress or Formal (eligible for the State Fair Fashion Show) (Scoresheet: SF 28)

C223-005 Skirted Combination (eligible for State Fashion Show) (skirt with shirt, vest or jacket OR jumper and shirt) (scoresheet: SF 28)

C223-006 Pants or Shorts Combination (eligible for State Fair Fashion Show) (pants or shorts with shirt, vest or jacket) SF 28

C223-007 Romper or Jumpsuit (eligible for State Fair Fashion Show)(Scoresheet: SF 28)

C223-008 Specialty Wear (eligible for State Fashion Show) (includes: swim wear, costumes, hunting gear, or chaps) (Scoresheet: SF 28)

C223-009 Lined or Unlined Jacket (not eligible for State Fashion Show) (non-tailored). (Scoresheet: SF 29) 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.

PREMIUM	Purple	Blue	Red	White
	\$8.00	\$7.00	\$6.00	\$5.00

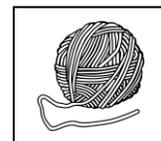
C223-010 Coat, Blazer, Suit Jacket or Outerwear (eligible for State Fair Fashion Show) (Scoresheet 29) A tailored blazer or suit jacket or coat.

C223-011 Alter/Design Your Pattern-Scoresheet TBD (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)

C223-012 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.

KNITTING & CROCHETING



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

KNITTING (scoresheet: SF60) for all classes

Beginning knitting should be simple, using only stitches in “Learn to Knit” manual. Each knitted exhibit must include the following information with the entry tag or exhibit will be lowered one ribbon placing:

1. What was your goal(s) in making this exhibit (Example: Learn how to block a garment or learn how to use two different yarn(s)?)
2. What steps did you take as you worked toward your goal(s)?
3. What were the most important things you learned as you worked toward your goal(s)?
4. Gauge-Number of rows per inch; number of stitches per inch.
5. Size of needles.
6. Kind of yarn – weight and fiber content.
7. Names of stitches used.
8. Copy of directions.

PREMIUM	Purple	Blue	Red	White
	\$3.50	\$3.25	\$2.75	\$2.25

Level 1

- C225-901** **Stretch Slippers from Manual**
- C225-902** **Simple Hat**
- C225-903** **Mittens**
- C225-904** **Other Knitted Item**

PREMIUM	Purple	Blue	Red	White
	\$4.50	\$4.25	\$3.75	\$3.25

C225-001 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 Two Together (K2tog), Yarn Over (yo)] to form patterns

C225-002-Level 2 Knitted Home Environment Item-Knitted Item using basic stitches [including: Knit (K), Purl (P), slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo)] to form patterns.

C225-003-Arm or Finger Knitted Item (Clothing or Home Environment Item)

C225-004-Loom Knitted Item (Clothing or Home Environment Item)

C225-005 Level 3 Knitted Clothing or Home Environment Item (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, Tamera, 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.

C225-006-Level 3 Knitted Home Environment Item-Knitted item made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting.

C225-007-Level 3 Machine Knitting

C225-905 Level 2 Knit One/Add One Knitted garment made using Level 2 stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

C225-906 Level 3 Knit One/Add One Knitted garment made using level 3 stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

CROCHET (Scoresheet: SF61) for all classes

Information Sheet for Crochet. Each crocheted exhibit must include the following information with the entry tag or exhibit will be lowered one ribbon placing.

1. What was your goal(s) in making this exhibit (Example: Learn how to block a garment or learn how to use two different yarn(s)?)
2. What steps did you take as you worked toward your goal(s)?
3. What were the most important things you learned as you worked toward your goal(s)?
4. Gauge and size of hook.
5. Kind of yarn – weight and fiber content or other material used.
6. Names of stitches used.
7. Copy of directions.

	PREMIUM	Purple	Blue	Red	White
Crochet Level 1					
C226-901 Hot Pad		\$3.50	\$3.25	\$2.75	\$2.25
C226-902 Place Mat					
C226-903 An Accessory (hat, scarf, purse)					
C226-904 Other Crocheted Item					

	PREMIUM	Purple	Blue	Red	White
		\$4.50	\$4.25	\$3.75	\$3.25

C226-001-Level 2 Crocheted Clothing (Garment eligible for State Fair Fashion Show) -Crochet garment using basic stitches [including: chain, single, double, half-double, treble] to form patterns

C226-002-Level 2 Crocheted Home Environment Item-Crochet item using basic stitches [including: chain, single, double, half-double, treble] to form patterns

C226-003-Level 3 Crocheted Clothing (Garment eligible for State Fair Fashion Show) -Crochet garment using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.

C226-004-Level 3 Crocheted Home Environment Item-Crochet item using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.

C226-905 Level 2 Crochet One/Add One A crocheted garment made using Level 2 pattern stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

C226-906 Level 3 Crochet One/ Add One A crocheted garment made using Level 3 advanced crochet stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

DIVISION 227 –WEAVING

All woven items will be displayed in the clothing area. Criteria for judging weaving: Design and Color, Neatness, weaving Mechanics and Construction Finishes. Information Sheet must be included for all classes in Weaving. Each woven exhibit must include the following information with the entry tag or exhibit will be lowered one ribbon placing: 1. what was your goal(s) in making this exhibit (Example: Learn how to block a garment or learn how to use two different yarn(s)?) 2. What steps did you take as you worked toward your goal(s)? 3. What were the most important things you learned as you worked toward your goal(s)? 4. Type of Loom. 5. Kind of yarn –weight and fiber content or other material used. 6. Names of weave structures used. 7. Copy of directions.

C227-901 Level 1 Woven Garment- with a plain or balanced weave using a rigid heddle loom. Such as: Scarf, shawl, Belt

CONSUMER MANAGEMENT
Superintendent: **Beth Andrews**



	PREMIUM	Purple	Blue	Red	White
		\$3.50	\$3.25	\$2.75	\$2.25

SHOPPING IN STYLE

If exhibit is a poster it should be on 14" x 22" poster board. If a three-ring binder is used it should be 8 ½"x 11"x 1". Video exhibits should be less than 5 minutes in length and be able to be played on a PC using Windows Media

Player, Real Player, or QuickTime Player.

C240-001 Best Buy for Your Buck (Ages 10-13 before January 1 of the current year) (Scoresheet: SF 84) Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video, no posters please (see general information above). Do not include the Shopping in Style Fashion Show Information Sheet in your entry for this class. Although both entries do share some information, there are differences in content and format for this class. Suggested for Ages 10-13 Provide details about wardrobe inventory which indicates the following:

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

C240-002 Best Buy for Your Buck (Ages 14-18 before January 1 of the current year) (scoresheet: SF 84) Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video, no posters please (see general information above). Do not include the Shopping in Style Fashion Show Information Sheet in your entry. Although both entries do share some information, there are differences in content and format for this class. Suggested for Ages 14-19. Provide details listed for those ages 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
- conclusion or summary statement(s) stating your final comments on why you selected your "best buy for your buck"
- provide 3 color photos of you wearing the garment (front, side, back view).

C240-003 Revive Your Wardrobe (Scoresheet: SF 88) Take at least two items in your wardrobe that still fit but that you don't wear anymore and pair them with a new garment or garments to make them wearable once again. Create a photo story which includes before and after photos and a description of what was done. Put in a binder, poster, or video (see general information).

C240-004 Show Me Your Colors (Scoresheet: SF 89) 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).

C240-005 Clothing 1st Aid Kit (Scoresheet: SF 64) 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.

C240-006 Mix, Match, & Multiply (Scoresheet: SF 90) 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).

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.25	\$1.75

My Financial Future

General Information: (scoresheet: SF 247) Entries should be typed and then attached to a piece of colored card stock or colored poster board (limit the size of the poster board or card stock to 14" x 22" or smaller). You may use the front and back of the poster board.

Beginner/Intermediate

C247-001 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.

C247-002 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.

C247-003 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.

C247-004 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.

C247-005 “What Does It Really Cost?” on pages 39-40.

C247-006 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? Were there any positions you might want to pursue as your career? Why/Why not? What careers interest you at this point in your life? What are three steps you need to do now to prepare for this career?

Intermediate/Advanced

C247-007 Interview- Methods of Payment 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.

C247-008 The Cost of Not Banking---Type your answers to the questions about Elliot on page 50.

C247-009 Evaluating Investment Alternatives— complete the case study of Jorge on page 64. Answer all three questions found at the bottom of the page.

C247-010 Understanding Credit Scores—Watch the video and read the resource listed on page 71. Answer the following questions. *Name 3 prudent actions that can reduce a credit card balance. *What are the main factors that drive the cost of credit? *List one personal financial goal that you could use credit or collateral to purchase. Discuss possible consequences that might happen with improper use of credit for your purchase.

C247-011 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 five (5) of the terms.

**FASHION SHOW
Event Superintendent, Jana Gibson**



The Fashion Show is open to all members of clothing projects. At the county level members may model multiple outfits in their current STEAM level and STEAM Beyond the Needle. Fashion Show participants **must** model in the public Fashion Show to receive ribbon and premium money unless personally excused by the Extension Educator. The Public Fashion Show is held on Monday, July 22, 2019 at 7 PM.

All clothing entries and the Fashion Show Judging will be Monday, July 22nd during the day in the Ag Auditorium. Details will be sent via mail or email. A youth cannot show the same article of clothing in both fashion show and construction at the state level. If the article of clothing is chosen for both, they must choose one.

4-H FASHION SHOW

Fun Parade – Items made but not modeled or judged as a part of Fashion Show. To participate in this event, 4-H'ers must submit a brief description of the items to be carried across the stage. Participation Ribbon and \$1.25

C410-901 Item You Made in STEAM Clothing 1 C900-907 TO C900-911

C410-902 Quilted Item from Quilt Quest

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.50	\$3.00	\$2.50

C410-903-Modeled STEAM Beyond the Needle Beginning Embellished Garment with Original

Design. (Scoresheet SF26) Create a garment using beginning 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.

C410-010 Modeled “Beyond the Needle” Original Designed Garment - 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.

C410-015 Modeled “Beyond the Needle” Original Designed Fabric - Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added.

C410-020 Modeled “Beyond the Needle” Textile Arts Garment- Garment is constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape.

C-410-025. Modeled “Beyond the Needle” Wearable Technology Garment-Garment has integrated technology into its design.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.50	\$3.00	\$2.50

STEAM CLOTHING LEVEL I

C410-905 Modeled Simple Top

C410-906 Modeled Simple Bottom – pants, shorts, or skirt

C410-907 Modeled Simple Dress

C410-908 Modeled Other – Using skills learned in project manual (apron, vest, etc.)

C410-909 Modeled Upcycled Simple Garment from C900-916

STEAM LEVEL 2

4-H members who have enrolled in or who have completed STEAM Level 3 are not eligible to enter STEAM Level 2.

C410-030 Modeled Constructed STEAM Clothing 2 Garment(s) 4-H members who have enrolled in or who have completed STEAM Clothing 3 projects are not eligible to enter STEAM Clothing 2. - Possible types of STEAM Clothing 2 garments include:

- Dress; OR
- Romper or Jumpsuit; OR
- Two-Piece Outfit Combination (skirt with top, vest, or lined/unlined jacket; jumper and top; pants or shorts outfit (pants or shorts with top, vest, lined/unlined jacket). A purchased top can be worn to complete a skirt, pants, or shorts outfit with a vest or lined/unlined jacket

C410-910 Upcycled Garment from C222-003

C410-911 Modeled Top (vest acceptable)

C410-912 Modeled Bottom (pants or shorts)

C410-913 Modeled Skirt

C410-914 Modeled Unlined Jacket

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.50	\$3.00	\$2.50

STEAM Level 3

A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants, or shorts.

C410-040 Modeled Constructed STEAM Clothing 3 Garment(s) - Possible types of STEAM Clothing 3 garments include:

- Dress or formal; OR
- Skirted Outfit Combination (skirt with top, vest, lined/unlined jacket OR jumper and shirt) A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants or shorts.; OR
- Pants or Shorts Outfit Combination (pants or shorts with top, vest, lined/unlined jacket) A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants or shorts.; OR
- Romper or Jumpsuit; OR
- Specialty Wear (swim wear, costumes, western wear-chaps, chinks, riding attire or hunting gear); OR
- Non-tailored Lined or Unlined Jacket or Coat, additional pieces with jacket or coat may either be constructed or purchased.; OR
- Tailored Coat, Blazer, Suit Jacket, or Outerwear. Additional pieces with coat, blazer, jacket or outerwear may either be constructed or purchased.
Nightwear or loungewear can NOT be modeled.

C410-050 Modeled Knitted or Crocheted Clothing (Level 2 or 3) - Knitted garment using pattern stitches such as diamond, block, twist or seed/moss stitches or advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, Tamera, plait, Germaine, feather and fan or knitting with one or more patterns such as Aran or Fair Isle. Crocheted garment using pattern stitches such as texture, shell, cluster or mesh stitches or advance crochet stitches such as afghan, broomstick, hairpin lace, design motifs or pattern stitches. Garment can be a cardigan, dress, coat, a top and bottom, or a two piece ensemble.

C410-915 Modeled Upcycled Garment from C223-004

PREMIUM Purple	Blue	Red	White
\$4.00	\$3.50	\$3.00	\$2.50

CONSUMER MANAGEMENT

C410-060 Modeled Shopping in Style Purchased Outfit and Written Report (SF 184) 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

- Note: The form- SF 184 must be included when modelling Shopping in Style (contact Extension office for the form)

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.50	\$3.00	\$2.50

C440-912 \$15 CHALLENGE Open to any 4-H member.

Rules for the \$15 Challenge:

- Purchase an outfit that represents the 4-H'ers intended use for the selected outfit.
- Outfits must be selected and purchased from a garage sale, thrift store, consignment store, or resale shop including Goodwill, Salvation Army or other stores of this type (Garage sale "free box" items would qualify.)
- Cost of outfit must be \$15 or less, not including shoes, accessories or undergarments.
- Complete a report form to be entered when the garment is modeled. (Pick up at Extension Office)
- Receipt(s) - including garage sale purchases - MUST be attached to the report form.
- Model outfit for fashion revue judging July 23rd.

(This contest is adapted with permission from Iowa State 4-H.)

HERITAGE

Superintendent: Christi Aycock



An exhibit of items, pictures, maps, charts, slides/tapes, drawings, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history. Please note: Exhibits are entered at 4-H'ers own risk. 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. If the size needs to be a different size because the historical item is larger than 22"x28" please contact the superintendents for approval. Display collections securely in an attractive container no larger than 22" x 28". For the Nebraska State Fair: Each county may enter a maximum of 3 exhibits per class from the Family Folklore and/or Foodways projects. Exhibits must include NAME, COUNTY, AGE & PAST EXPERIENCE (years in Explore Your Heritage, Family Folklore or Foodways projects) on back of exhibit. All entries must have documentation included. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

Premier 4-H Science Award is available in this area. SF71

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.50	\$2.00	\$1.50

LEVEL I: BEGINNING (1-4 YEARS IN PROJECT)

- A101-001 Heritage Poster or Flat Exhibit** Entries may be pictures, posters, items that depict family heritage. Exhibits must be supported by a written explanation.
- A101-002 Family Genealogy/History Notebook** Include pedigree charts/family group sheets, with documentation for two to three generations of one family line, expanding each year. If multiple books included in exhibit, only bring book with most current year's work.
- A101-003 Local History Scrapbook/Notebook** Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- A101-004 Framed Family Groupings** (or individuals) of pictures showing family history. Pictures must be supported by a written explanation.
- A101-005 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.
- A101-006 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.

- A101-007 4-H History Poster** Poster relating 4-H history of local club or county or individual.
- A101-008 Story or Illustration** about a historical event.
- A101-009 Book Review** about local, Nebraska or regional history.
- A101-010 Other Historical Exhibits** attach an explanation of historical importance
- A101-011 Family Traditions Book** Exhibitor scrapbook depicting family traditions of the past.
- A101-012 Family Traditions Exhibit** Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.
- A101-013 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.
- A101-014 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.
- A101-015 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.
- A101-901 Club Secretary Book** Club secretaries may exhibit their books showing the records of the club for the current club year.
- A101-902 Club News** Each club news reporter may make one exhibit of not less than three clippings. These three clippings are to be attached to poster board or cardboard 8 ½ x 11" in size. On the exhibit, the name of paper, date of issue, name of news reporter, age and address are to appear

PREMIUM	Purple	Blue	Red	White
	\$3.50	\$3.00	\$2.50	\$2.00

LEVEL II: ADVANCED (OVER 4 YEARS IN PROJECT)

- A102-001 Heritage Poster or Flat Exhibit** Entries may be pictures, posters, items, etc. that depict family heritage. Exhibits must be supported by a written explanation.
- A102-002 Family Genealogy/History Notebook** Include pedigree charts/family group sheets, with documentation beyond two to three generations of one family line, expanding each year.
- A102-003 Local History Scrapbook/Notebook** Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage. If multiple books included in exhibit, only bring book with most current year's work.
- A102-004 Framed Family Groupings** (or individuals) of pictures showing family history. Pictures must be supported by a written explanation.
- A102-005 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.
- A102-006 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.
- A102-007 4-H History Poster-** Poster relating 4-H history of local club or county or individual.
- A102-008 Story or Historical Illustration** about a historical event.
- A102-009 History Book Review** about local, Nebraska or regional history.
- A102-010 Other Historical Exhibits** attach an explanation of historical importance.
- A102-011 Community or State Landmark** depicting the importance of a community or Nebraska historic landmark.
- A102-012 Community Report** documenting something of historical significance from past to present.
- A102-013 Historic Collection** (displayed securely and attractively in a container no larger than 22" x 28").
- A102-014 Video/DVD Documentary of a Family or Community Event** Must be produced and edited by 4-H member.
- A102-015 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.
- A102-016 4-H Member Scrapbook** Scrapbook relating to individual 4-H member's 4-H history. If multiple books included in exhibit, only bring book with most current year's work
- A102-017 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.

HOME ENVIRONMENT
Superintendent: Alice McDonald
Assistant Superintendent: Dixie Ziegler



A. HOME ENVIRONMENT EXHIBITS are evaluated by these criteria:

- 1) Items must be designed to be used for home decorating, home furnishing or home management (no clothing, purses, note cards, scrapbooks/photo albums, etc.)
- 2) Accessories should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday specific items are discouraged.
- 3) Items should show creativity and originality, along with the application of design principles and elements. Ask yourself: How have I shown creativity and applied the design principles and elements in this accessory? Youth are required to include this information.
- 4) Entered in correct class: What medium is the majority of your accessory made from? What was changed or manipulated?
- 5) Items should be ready for display in the home: pictures framed wall hangings and pictures ready to hang etc. No single mat board or artist canvas panels allowed. Wrapped canvas (if staples not visible on edge) is accepted without framing. Make sure hangers are strong enough to support the item.
- 6) All static exhibits must have received a purple ribbon at the county fair to advance to state fair.
- 7) Items should not be ones made for beginning level or other projects (ex: simple (10 minute) table runners or woodworking). Exhibits from the beginning level, Design My Place, are county only and not state fair eligible.
- 8) Attach information to explain steps taken. Information must also include element or principle of design used.
- 9) SIZE OF EXHIBITS – Exhibits may be no taller than 7 feet and no wider than 6 feet. ALL EXHIBITS MUST BE ABLE TO BE EASILY LIFTED BY 2 4-H STAFF.
- 10) NUMBER OF ENTRIES PER INDIVIDUAL - One entry per exhibitor per class. Limit of two entries in ALL home environment projects per exhibitor.
- 11) ENTRY TAGS - An entry tag which includes a clear description of the entry must be securely attached to each Home Environment exhibit. Use color, pattern or picture descriptions to aid in identification. No straight pins.
- 12) 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.
- 13) SUPPORTING INFORMATION - Supporting information is required for all Home Environment exhibits. Information must include elements or principles of design used and steps taken to complete project. Tag templates can be found on the 4-H State Fair website: <http://4h.unl.edu/fairbook#tab3> Exhibits without supporting information will be dropped a ribbon placing.

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.25	\$1.75

DESIGN MY PLACE (Scoresheet: SF 200)

For classes C251-901 to C251-913 **Attach information to explain steps taken. Information must also include element or principle of design used.**

C251-901 Simple Needlework Item (made with yarn or floss)

C251-902 Simple Fabric Accessory (pillow, pillowcase, laundry bag, table runner)

C251-903 Accessory made with original batik, dye or pigment

C251-904 Simple Accessory using Wood

C251-905 Simple Accessory using Fiber or Wool

C251-906 Simple Accessory using Plastic

C251-907 Simple Accessory using Glass

C251-908 Simple Accessory using Clay or Ceramic

C251-909 Simple Accessory using Paper

C251-910 Simple Accessory Using Metal Tooling or Metal Punch

C251-911 Bulletin or Message Board

C251-912 Color Wheel (Be Creative)

C251-913 Table Accessories – set of 2 or more (such as: placemats, napkins, napkin rings, potholders, coasters, mug rugs, etc.)

C251-914 Chore Chart – make and complete for 1 month showing how each chore was marked off the list when completed.

C251-915 Notebook of 4 or more Checklists from the Manual (such as: Lighting Detective Chart, Shopping for Lightbulbs Chart, Shopping for a Lamp Chart, Home Inspection Checklist, Sound Chart, Are You Safe Checklist, Health Begins at Home Chart)

C251-916 Fire Escape Plan – refer to information in the manual

C251-917 Room Floor Plan – following instructions given in the manual

C251-918 Tornado Safety Plan

C251-919 Disaster or Emergency Kit for the home.

C251-920 Cleaning Kit – make a cleaning kit for the home.

C251-921 Problem Solved: Use creative method to show how you solved a problem (air quality, water, sound, temperature, lighting, fire escape plan, etc.)

C251-922 Video or Poster – showing how to make a bed or organize a room or the steps you used to make your simple accessory.

PREMIUM

Purple	Blue	Red	White
\$5.00	\$4.75	\$4.25	\$3.75

DESIGN DECISIONS

Attach information to explain steps taken. Information must also include element or principle of design used.

Scoresheet SF201: C257-1 to C257-4, C257-7 (if poster or CD)

Scoresheet SF202 and recognition certificate: C257-5

Scoresheet SF200: C257-6 to C257-18, C257-23 to C257-25

Scoresheet SF207: C257-19 & C257-20

Scoresheet SF203: C257-21 & C257-22

C257-001 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.

C257-002 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 a career related to home environment (what would it be, what education is needed, what would you do, etc.). Using poster, notebook, multimedia presentation (on CD) or other method, describe the problem and how it was solved OR your career exploration. (pages 74-93)

C257-003 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. (pages 74-93)

C257-004 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.

C257-005 Community Service Activity – Show what was done as a community service activity related to this project. In a notebook, photo story, or poster, show the purpose and results of that activity. Ex: painting a mural at a daycare or 4-H building, helping an elderly person paint or clean their home, etc. May be an individual or club activity. Non-competitive. Special recognition certificates will be awarded to participants.

C257-006 Window Covering-May include curtains, draperies, shades, shutters, etc.

C257-007 Floor Covering – May be woven, braided, painted floor cloth, etc. May be exhibited as a poster or multimedia presentation (on CD).

C257-008 Bedcover-May include quilt, comforter, bedspread, dust ruffle, canopy, etc. For quilts, state who did the quilting. (No fleece tied exhibits) (pages 50-53)

C257-009 Accessory – Original Needlework/Stitchery

C257-010 Accessory – Textile – 2D (tablecloth or runner, dresser scarf, wall hanging, etc. No tied fleece blankets or beginning/10-minute table runners.)

C257-011 Accessory – Textile – 3D (pillows, pillow shams, fabric bowls, etc.) NO FLEECE TIED EXHIBITS

C257-012 Accessory – 2D

C257-013 Accessory – 3D (string art, wreaths, etc.)

C257-014 Accessory – Original Floral Design.

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

C257-015 Accessory – Original made from Wood – burn, cut, shape or otherwise manipulate

C257-016 Accessory – Original made from Glass- etched, mosaic, stain, molten or otherwise manipulate

C257-017 Accessory – Original made from Metal-cut, shape, punch, sculpt, reassemble or otherwise manipulate.

C257-018 Accessory – Original made from Ceramic or Tile-Treatment to exhibit must go through process that permanently alters the medium Painting alone is not sufficient.

C257-019 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. Reuse the item.

C257-020 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.

C257-021 Furniture – Wood Opaque Finish such as paint or enamel.

C257-022 Furniture – Wood Clear Finish showing wood grain.

C257-023 Furniture – Fabric Covered – May include stool, chair seat, slip-covers, headboard, etc.

C257-024 Furniture – Outdoor Living – Furniture made/refurbished suitable for outdoor use. (NOTE: will be displayed outside at the State Fair). Include description of what was done to recycle or reuse item in your attached information.

C257-025 Accessory-Outdoor Living-Accessory made/refurbished suitable for outdoor use. (NOTE: May be displayed outside.) Include description of what was done to recycle or reuse item in your attached information.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.75	\$3.25	\$2.75

SKETCHBOOK CROSSROADS

Use techniques from manual or comparable techniques. Attach information to explain steps taken. Information must also include element or principle of design used. (pages 8-9) Scoresheet SF200: C257-001 to C257-010

- C260-001 Original Pencil or Chalk Drawing** framed and ready to hang. Scratch art accepted here.(pages 10 - 21)
- C260-002 Original Ink Drawing** framed and ready to hang. (pages. 22 - 28)
- C260-003 Home Accessory Made with Fiber** (page 29)
- C260-004 Home Accessory Made with Felted Wool** (pages.29-33)
- C260-005 Home Accessory Made with Cotton Linter** (pages. 34-36)
- C260-006 Home Accessory Using Batik** (pages. 37-39)
- C260-007 Home Accessory Made by Weaving** (pages 40-47)
- C260-008 Home Accessory Made with Fabric that the Exhibitor has dyed** (pages. 48- 50)
- C260-009 Original sculpted or thrown home accessory made with clay** (no purchased items) (p. 53-62)
- C260-010 Nebraska Life Exhibit** An art exhibit using one of the techniques in the above classes to show how art can define a sense of place, or life in Nebraska. For example - a pencil or ink drawing depicting life in Nebraska, using natural resources such as native grasses to make a weaving, using natural fibers for felting, or using roots, nuts, plants or flowers to dye fabric. Include the required information listed above and how this project represents life in Nebraska.

PORTFOLIO PATHWAYS

Use techniques from manual or comparable techniques. Attach information to explain steps taken. Information must also include element or principle of design used. (pages 8-9) Scoresheet SF200: Classes 1-7

- C261-001 Original Acrylic Painting** based on techniques learned in Unit I of Portfolio Pathways, framed and ready to hang. (pages. 12-13)
- C261-002 Original Oil Painting** based on techniques learned in Unit I of Portfolio Pathways, framed and ready to hang. (pages. 26-33)
- C261-003 Original Watercolor** based on techniques learned in Unit I of Portfolio Pathways, framed and ready to hang. (pages. 14-17)
- C261-004 Original Sand Painting** based on techniques learned in Unit I of Portfolio Pathways, framed and ready to hang. (pages 20-21)
- C261-005 Original Encaustic Painting** based on techniques learned in Unit I of Portfolio Pathways, framed and ready to hang. (pages 34-35)
- C261-006 Home Accessory Made with Any Printing Technique** in Pathways Unit II. (pages 36-56)
- C261-007 Nebraska Life Exhibit** An art exhibit using one of the techniques in the above classes to show how art can define a sense of place or life in Nebraska. For example – solar printing; making prints using shed snakeskin or plant; an acrylic, oil; watercolor painting of scenes of your community or the surrounding area; or using objects from nature to make the painting. Include the required information listed above and how this project represents Nebraska life.

PREMIUM	Purple	Blue	Red	White
	\$10.00	\$9.75	\$9.25	\$8.75

HEIRLOOM TREASURES/FAMILY KEPSAKES

Scoresheet SF206: Class 1 Scoresheet SF205: Classes 2-4

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:

Resources to support this project are available on the 4-H website.

Attach information including:

1. List of steps taken to complete your project. Before and after picture 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.

C256-001 Trunks, including doll-sized trunks or wardrobes.

C256-002 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.

C256-003 Furniture -either a repurposed "treasure" from an old item or an old "treasure" refinished or renovated. May include doll-sized furniture.

C256-004 CLEANED AND RESTORED HEIRLOOM ACCESSORY 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. (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.

QUILT QUEST

EXHIBIT GUIDELINES

In Quilt Quest, 4-H'ers 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-H'er 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-H'er 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.

All entry cards and support information must be attached using a safety pin. No straight pins.

When judging Quilt Quest exhibits, the judges consider SF209 "Standards for Judging Quilts and Quilted Items."

For all classes, 4-H'ers can choose fabrics for the quilt by selecting fabric from fabric bolts. 4-H'ers 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-H'ers find it difficult to cut narrow strips with a rotary cutter and ruler, so this fabric selection may make it easier as they learn.
- **Honey Buns** are made like the Jelly Rolls with 1 ½" strips of fabrics.
- **Layer Cakes** are 10" squares of fabric from a manufactured designer or fabric line with different pieces of fabric "layered" on top of one another to look like a piece of cake.
- **Charm Packs** are made of 5" squares of coordinating fabric and may be tied up with a string or scrap of fabric.
- **Turnover** is a collection of coordinating fabrics that are cut into 6" triangles.
- **Fat Quarters** are ½ yard cuts of fabric which are cut in half to make a rectangle that is approximately 18" x 21". (One half yard of fabric yields 2 fat quarters). The "fat quarter" can be more economical to purchase for a smaller quilt because the purchaser does not have to buy the entire yardage width.
- **Fabric Kit** is a collection of fabrics cut in large pieces to accommodate the requirements of a particular quilt pattern. The 4-H'er 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 of 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

PREMIUM	Purple	Blue	Red	White
\$7.00	\$6.50	\$6.00	\$5.50	

C229-010 Exploring Quilts (Scoresheet: SF208C) 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, and 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-inch poster, notebook, CD, PowerPoint, 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.

C229-020 Quilt Designs other than Fabric (scoresheet: SF208B) Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project. Tag templates can be found on the 4-H State Fair website, please note this is in the Home Environment information sheet: <http://4h.unl.edu/fairbook#tab3>

Exhibits without supporting information will be dropped a ribbon placing.

Two or three-dimensional item with quilt design made using medium other than fabric, such as stained glass, paper, etc.

Barn Quilts – SF208B Scoresheet for Quilt Design Other than Fabric. Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project. Tag templates can be found on the 4-H State Fair website, please note this is the Home Environment information sheet: <http://4h.unl.edu/fairbook#tab3>

Exhibits without supporting information will be dropped a ribbon placing.

A barn quilt is a large piece of wood that is painted to look like a quilt block.

C229-021 – Barn Quilt created that is less than 4'x4'.

C229-022 – Barn Quilt created that is 4'x4' or larger.

C229-030 Computer Exploration (Scoresheet: SF208C) Poster or notebook with a minimum of six computer generated quilt designs or color variations on a quilt design. Include information on type of program used, process used to generate designs, or how you used color to create different quilt designs. Size of poster or notebook to be suitable for the exhibit.

C229-040 Wearable Art (Scoresheet: SF208A) Quilted clothing or accessory which must have a recognizable amount of quilting and may include fabric manipulation. 4-H member must do quilting. On a half sheet of 8 ½ x 11-inch paper, include an explanation answering the following questions: A) How was the quilt planned and who did what in the construction of the quilt? B) How did you select the design and fabrics including whether or not you used a kit, jellyroll, charm squares, etc.

C229-041 Inter-Generational Quilt (Scoresheet: SF208E) 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-inch paper include an explanation answering the following questions: A) How was the quilt planned and who did what in the construction of the quilt? B) How did you select the design and fabrics including whether or not you used a kit, jellyroll, charm squares, etc.

C229-042 Service Project Quilt (Scoresheet: SF208D) 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-inch paper, include an explanation answering the following questions: A) Why was the quilt constructed and who will receive the donated quilt. B) How did you select the design and fabrics including whether or not you used a kit, jellyroll, charm squares, etc.

C229-901 Quilt Theme Photography Exhibit – a single matted 8" x 10" print with a definite quilt theme OR a quilt photo story on 14" x 22" black poster board.

C229-902 Framed Quilt or Quilt Block – must be mounted, framed, and ready to hang, glass optional.

C229-903 Quilted Accessories for the Home or a Toy (two or three-dimensional) – examples: table runners and place mats, play mat, toy, soft sculpture. This class does not include wall hangings.

C229-904 Accessory Made from the 1932 Kansas City Star 4-H Quilt Block.

C229-905 Quilt Theme Diorama – dimensions not to exceed 12" x 15" x 10".

C229-906 First Quilt made by 4-H'er.

C229-907 Special Occasion Quilt – quilt constructed to celebrate a special event or to preserve a memory. May be a t-shirt quilt, photo quilt, autograph friendship quilt or exchange quilt or other means of preserving a memory in a quilt. Attach explanation of why a quilt was made to preserve the memory.

Guidelines for entries in C229-050 to C229-083. SF208A Scoresheet for Quilts and Quilted Items

- Please note the description of classes. They denote degree of difficulty in construction and not the number of years in the project.
- A quilted exhibit consists of 3 or more layers.
- All quilted exhibits must be quilted (machine or hand) or tied.
- All quilt piecing and finishing must be the sole work of the 4-H member. Quilting, whether machine or hand quilted, may be done by another individual except for the Premier Quilt class.
- No pre-quilted fabric may be used.
- Wall quilts must have a hanging sleeve on the back of the quilt or some method for hanging.
- All quilted exhibits must be clean and finished for intended purpose.
- On a half sheet of 8 ½ x 11-inch paper, include an explanation answering the following questions: A) How did you select the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.? B) What did you do and what did others do? 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"

PREMIUM	Purple	Blue	Red	White
CLASSES 50, 60, 70	\$5.00	\$4.50	\$4.00	\$3.50
CLASSES 51, 61, 71	\$7.00	\$6.50	\$6.00	\$5.50
CLASSES 52, 62, 72 and 80-83	\$10.00	\$8.50	\$7.00	\$6.50

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

C229-050 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.

C229-051 Medium length + width = 61" to 120"

C229-052 Large length + width = over 120"

Level II Quilted Exhibits – In addition to squares or rectangles, quilts may have triangles, and/or may be embroidered. Scoresheet SF208A for Quilts and Quilted Items

C229-060 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.

C229-061 Medium length + width = 61" to 120"

C229-062 Large length + width = over 120"

Level III Quilted Exhibits – In addition to any of the methods in class 50 - 62, quilts may have curved piecing, appliqué, Celtic style, stained glass style, paper piecing, art quilt style, or other non-traditional styles. (An art quilt is an original exploration of a concept or idea rather than the handing down of a "pattern". It experiments with textile manipulation, color, texture and/or a diversity of mixed media. An Art Quilt often pushes quilt world boundaries), or other non-traditional styles. SF208A Scoresheet for Quilts and Quilted Items

C229-070 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.

C229-071 Medium length + width = 61" to 120"

C229-072 Large length + width = over 120"

Premiere Quilt – Entire quilt is the sole work of the 4-H member, including quilting (hand or machine). No tied quilts in this class. The youth may receive guidance but no one else may work on the quilt. Tied quilts are not eligible for this class. SF208A Scoresheet for Quilts and Quilted Items

- C229-080 Hand Quilted.**
- C229-081 Sewing Machine Quilted.**
- C229-082 Premiere Quilt: Long Arm Quilted – non computerized/hand guided.**
- C229-083 Premiere Quilt: Arm Quilted – computerized.**

**DEPARTMENT D
ENVIRONMENTAL & EARTH SCIENCE**

Superintendent: Sue McDonald



CONSERVATION AND WILDLIFE

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-Her 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. **WHOSE EXHIBIT?** -The exhibitor's name, county, age 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. **WILDLIFE & WILDLIFE LAWS**-"Animal" or "wildlife" in the following instructions includes wild fish, amphibians, reptiles, birds, or mammals. Follow wildlife laws; example: wildlife laws do not allow collection of bird nests, eggs, or parts.
- E. **ENTRIES PER INDIVIDUAL**-Each individual is limited to a total of four (4) exhibits, each in a different class.
- F. **PROJECT MATERIALS**-Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 5-93-81), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H 125), Outdoor Skills, Learning science in the Outdoors Series (Science Signature Outcome Program)
- G. **BOARD AND POSTER EXHIBITS**- These are displays that show educational information about a topic of interest. Board exhibits can hold objects such as fishing equipment or casts of animal tracks. Mount all board exhibits on ¼" 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.
- H. **SCORING**-Sample score sheets are available at your county extension office and on the UNL 4-H web page (<http://4h.unl.edu>).
- I. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

	PURPLE	BLUE	RED	WHITE
Classes 1-5	\$4.00	\$3.00	\$2.50	\$2.00
Classes 6-11	\$5.00	\$4.00	\$3.50	\$3.00

- Wildlife and How They Live** (Classes 1-4)
- D340-001 Mammal Display- see below (SF154)**
- D340-002 Bird Display- see below (SF154)**
- D340-003 Fish Display- see below (SF155)**
- D340-004 Reptile or Amphibian Display- see below (SF156)**

Classes 1-4 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 For more ideas, refer to project booklets.

D340-005 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 other animals, with people, or with their habitat. (SF157)

Examples:

- 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.

D340-006 Wildlife Tracks Board or diorama-type exhibit. Make a display of animal tracks using plaster-of-Paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred but not required. (SF158)

- 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.

D340-007 Wildlife Knowledge Check Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches. (SF159)

D340-008 Wildlife Diorama Box 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 a large unbroken grassland or prairie for species such as meadowlarks, greater prairie-chicken, lark bunting, grasshopper sparrows, Ferruginous hawk, burrowing owl, horned lark, upland sandpiper, or pronghorn; AND/OR 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 (SF160)

D340-009 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 hunting, fishing, or ethics and proper behavior for hunting or fishing. The essay is between 100 and 1000 words long and is typed, double spaced on standard size paper (8 ½ x 11 paper). You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them (SF161)

D340-010 Wildlife Values Scrapbook Make a scrapbook about the various values of wildlife following guidelines in the Wildlife Conservation project booklet (4-H 125) (SF162)

D340-011 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, and woodcarvings, 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) (SF163)

PREMIUM	Purple	Blue	Red	White
	5.00	\$4.00	\$3.50	\$3.00

WILDLIFE HABITAT

D342-001 Houses Make a house for wildlife. Examples: birdhouse (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, and 3) any seasonal maintenance needed. Tips: check OneGuide "Backyard Wildlife Bird Houses and Shelves", G2002 (SF165)

D342-002 Feeders/Waterers Make a birdbath or feeder. Examples: seed, suet, or nectar feeders. A squirrel feeder is okay but no insect feeders. Indicate the kinds of animal(s) for which the feeder or waterer is intended. Make the feeder or waterer functional so that it fits wildlife needs. Include the following information: 1) where and how the feeder or waterer should be located for best use and 2) how it should be maintained. Tips: check NebGuide "Backyard Wildlife Feeding Birds" G2003 (SF166)

D342-003 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 habitats 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 (SF167)

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.75	\$3.25	\$2.75

HARVESTING EQUIPMENT

D343-001 Fish Harvesting Equipment Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), and 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 in relation to other equipment and 3) any personal experiences you have had with the item(s). (SF168)

D343-002 Build a Fishing Rod Build your own fishing rod for exhibit and for fishing use. Rod building blanks and kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches' length. (SF169)

Exhibit must be mounted on a board and labeled with the member's name, county and class number. Include with the exhibit the following items as a brief attachment:

-Explanation of cost of materials/components, where materials/components were purchased, how made, and number of hours required for construction.

- Identify 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 (guides, etc.), correct information, and neatness.

D343-003 Casting Target Make a casting target for exhibit and use, following guidelines in the project booklet, Fishing for Adventure Manuals. (SF170)

D343-004 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. Include in your exhibit the following information: 1) The purpose of each item, 2) when or where it is used in relation to other equipment and 3) any personal experiences you have had with the item(s). (SF171)

D343-005 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.

PREMIUM	Purple	Blue	Red	White
	\$6.00	\$5.00	\$4.50	\$4.00

TAXIDERMY

D346-001 Tanned Hides or 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 animal's name and 2) information about the exhibitor's personal field experiences, study, or observations that relate to the exhibit (SF172)

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

4-H 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 can be entered as an exhibit; nor can live ammunition. However, information can be shared through pictures.

D347-001 Shooting Aid or Accessory Any item that 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. (SF169)

D347-002 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. (SF169)

D347-003 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. (SF169)

D347-004 Science, Engineering, Technology Advancements of Shooting Sports 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. (SF161)

D347-005 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. (SF258)

D347-006 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. (SF258)

D347-008 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 1/2 x 11 paper. Interviews need to include a picture of the interviewee in their work setting, questions asked, and a transcript of answers. (SF161)

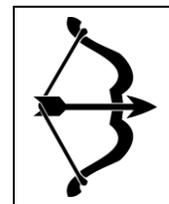
D347-009 Community Vitality Display Explore the difference shooting sports and hunting make in keeping Nebraska vibrant especially in rural areas. Present facts and research in an interesting way for the public. (SF161)

D347-010 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. (SF)

OTHER NATURAL RESOURCES

D361-001 Design Your Own Exhibit in Natural Resources, Conservation, 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. (SF164)

County Fair 4-H Shooting Sports Competition



Each 4-H member **MUST** attend a **MINIMUM** of 4 practices in each discipline with a certified instructor to compete in that division at the fair.

- 4-H'ers are required to wear the official County Fair 4-H t-shirt, jeans and shoes that cover the entire foot.
- Hair must be pulled back. Hats or caps are allowed as long as they do not interfere with shooting as per superintendent discretion.
- Pre-registration is required 7 days prior to the competition/contest.
- Check-in is must be completed 30 minutes prior to shoot time and will begin 60 minutes before shoot time.
- No coaching by parents. Youth have to address the coach and ask for help.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

Rosettes will be awarded for the Grand and Reserve Champion in all age divisions.

Archery

Recurve and compound bows may be used. Only arrows with a field point (no broad heads). 4-H members must furnish their own arrows. (Minimum of 7 arrows)

Outdoor Target Competition (July 14)

Superintendent: Eric Bjorkman Assistant Superintendent: Eric Breuer

The competition will consist of 30 arrows shot in 6 rounds of 5 arrows each. Archers have 4 minutes to shoot their 5 arrows in each end. They will be shot at 80cm USA Archery Targets at the following distances:

In target classes, Junior 10 yards and Intermediate/Seniors 20 yards. Ages are as of December 31, 2017.

Junior, age 8-11 years

D500-901-1 Barebow (Both Recurve and Compound with fingers, no sights, Genesis)

D500-901-2 Recurve (sights, stabilizers, clickers)

D500-901-3 Compound (sights, stabilizers, clickers, releases)

Intermediate, 12-14 years

D500-902-1 Barebow (Both Recurve and Compound with fingers, no sights, Genesis)

D500-902-2 Recurve (sights, stabilizers, clickers)

D500-902-3 Compound (sights, stabilizers, clickers, releases)

Senior, 15-18 years

D500-903-1 Barebow (Both Recurve and Compound with fingers, no sights, Genesis)

D500-903-2 Recurve (sights, stabilizers, clickers)

D500-903-3 Compound (sights, stabilizers, clickers, releases)

3-D/Field Archery Competition (July 13, 9:00 a.m.)

Superintendent: TBA Assistant Superintendent: TBA

Outdoor target competition will consist of 60 arrows. Layout determined by superintendent. Options include: 48 inch FITA targets, 3-D targets and NFAA outdoor targets. Marked and unmarked distances are possible. More detailed rules can be obtained from the Extension Office.

Ages are as of December 31, 2017

Junior, age 8-11 years

D500-916-1 Barebow (Both Recurve and Compound with fingers, no sights, Genesis)

D500-916-2 Recurve (sights, stabilizers, clickers)

D500-916-3 Compound (sights, stabilizers, clickers, releases)

Intermediate, 12-14 years

D500-917-1 Barebow (Both Recurve and Compound with fingers, no sights, Genesis)

D500-917-2 Recurve (sights, stabilizers, clickers)

D500-917 -3 Compound (sights, stabilizers, clickers, releases)

Senior, 15-18 years

D500-918-1 Barebow (Both Recurve and Compound with fingers, no sights, Genesis)

D500-918-2 Recurve (sights, stabilizers, clickers)

D500-918-3 Compound (sights, stabilizers, clickers, releases)

BB Gun Contest (July 15)

Superintendent: Leland Stump Assistant Superintendent: Eric Breuer

Minimum age is 8 years as of 12-31-2017. Daisy National Rifle Association 5 meter BB Gun Targets will be at 5 meters from the firing line. 10 rounds with 2 practice shots (sighting shots bulls on target). Competition will be done at three positions: Prone, Standing, Sitting. 4-H members must furnish their own guns and BB's. Open sights and peep sights allowed, with no optical enhancing. NO scopes. Safety glasses must be worn by EVERYONE on the firing line.

D500-904 Junior. 8-10 years

D500-905 Intermediate 11-13 years

D500-906 Senior 14-18 years

.22 Rifle Contest (September 7)

Superintendent: Darren Graves Assistant Superintendent: Leland Stump

Member must be 11 years old or older

Targets are CMP b-19, Rimfire Sporter Targets will be 10 yards from the firing line, targets which will be provided.

Competition will be done at three positions: Prone, Standing, Sitting. Ten rounds per target at 25 yards. 4-H members must furnish their own guns Variable powered scopes set to no more than 6 power (can be spot checked on the line) Eye and ear protection must be worn by EVERYONE on the firing line.

D500-907 Intermediate 11-13 years

D500-908 Senior 14-18 years

Pistol Smallbore Contest (September 7)

Superintendent: Darren Graves Assistant Superintendent: Leland Stump

Member must be 11 years or older.

Targets are CMP b-19, Rimfire Sporter Targets will be 5 yards from the firing line, targets which will be provided.

Competition will be done at three positions: Prone, Standing, Sitting. Ten rounds per target at 25 yards. 4-H members must furnish their own guns Variable powered scopes set to no more than 6 power (can be spot checked on the line) Safety glasses must be worn by EVERYONE on the firing line.

D500-909 Intermediate 11-13 years

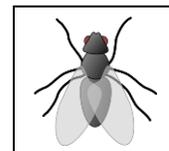
D500-910 Senior 14-18 years

Muzzleloader Contest (TBA)
Superintendent: Scott Stuhr; Assistant Superintendent: TBA
D500-911 Intermediate 10-13 years
D500-912 Senior 14-18 years

Hunting Skills Contest (July 13)
Superintendent: TBA; Assistant Superintendent: Renee Ekhoﬀ
D500-913 Junior, Ages 8-10
D500-914 Intermediate, Ages 11-13
D500-915 Senior, Ages 14-18

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

ENTOMOLOGY



GENERAL INFORMATION – INSECT COLLECTIONS

Specimens in display collections should be mounted properly and labeled with location, date of collection, name of collector, and order name. Follow mounting and labeling instructions in the Nebraska 4-H Entomology Manual. Boxes are preferred to be 12" high X 18" wide, and landscape orientation, so they fit in display racks. Purchase of commercially-made boxes is allowed. All specimens must be from the collector. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Exhibitors may, and should, correct and update collections for competition at the State Fair. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

PREMIUM	Purple	Blue	Red	White
	\$6.00	\$5.00	\$4.50	\$4.00

ENTOMOLOGY

H800-001 Entomology Display, First-Year Project (Class I). Collection to consist of 25 or more different kinds (species) of insects representing at least 6 orders. Limit of one box.

H800-002 Entomology Display, Second-Year Project (Class II). 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 should be present from after July 1 of the previous year. Limit 2 boxes.

H800-003 Entomology Display, Third-Year or More Project (Class III). 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.

H800-004 Special Interest Display or Advanced Insect (Class IV). Educational display developed according to personal interests 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, and species). A specialty collection may consist of insects by taxonomic group (e.g. butterflies, grasshoppers, dragonflies, scarab beetles) or by host, subject or habitat (e.g. insect pests of corn, aquatic insects, insect mimicry, insect galls, insects from goldenrod, insect pollinators, etc.).

H800-005 Insect Habitats (Class V). Habitats consist of any hand-crafted objects, made of natural or artificial material which are placed outdoors, and which promote or conserve insects in the environment. Insects may include bee pollinators, butterflies, beneficial insects, etc. A one-page report must accompany the exhibit.

H800-006 Macrophotography (Class VI). Subjects should be insects, spiders or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be either 8"x10" or 8½" x 11" and mounted on rigid, black 11" X 14" poster or black matt board. Either orientation is acceptable. No frames allowed. A short caption explaining the subject, printed on white paper, should be glued below the print.

H800-007 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 dioramas, sculptures, models or decorative boxes should have a page of explanatory information accompanying them and fit within a 22" x 28" area.

H800-008 Reports or Journals Reports and journals should be in a 3-ring binder. A report may be informational, that is, an original article about a favorite insect, a history of insect outbreaks, diseases caused by insects, insects as food, etc. Or, it may be a research report about an investigation or experiment done in a scientific manner. It then should have a basic introduction of the insect studied, methods used, observations, and results of the project. Tables, graphs and images are helpful to include. A journal is an observational study over a period of time with personal impressions. It may cover watching changes of kinds of butterflies over the summer, rearing a specific insect from egg to adult, managing a bee hive, observations of insects in a specific habitat, accounts of insect behavior in a forest or flower garden, etc.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.75	\$3.00	\$2.25

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, i.e., 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 the directions for the exhibit class. 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.



PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

FORESTRY

D320-001 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 fires, forest products, and 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.

D320-002 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, blue, 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, including county and other relevant information)

If a twig is included with a sample, indicate "twig included" on the label. For example, the twig may be included with an eastern cedar sample because the leaves are very small and difficult to remove from the twig. Supplemental information, e.g. general uses, common products, fall color, etc., may be included enhance educational value.

D320-003 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, including county and other relevant information)

Supplemental information, e.g. general uses, tree characteristics, etc., may be included with the display to enhance educational value.

D320-004 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. Seeds 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 or legume), 4. Collector's name, 5. Collection date, 6. Collection location (be specific, including county and other relevant information)

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

D320-005 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, including county and other relevant information). Supplemental information e.g. common products, wood density, etc., may be included to enhance educational value.

D320-006 Cross Section

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

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

Collection location (be specific, including county and other relevant information), 13. Collection date

D320-007 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: Trunk, Crown, Roots, Leaves, Flowers, Fruit Buds, 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.

D320-008 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" 4-H 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.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.75	\$3.00	\$2.25

**DEPARTMENT E
HEALTHY LIFESTYLES EDUCATION
Superintendent: Regina Farris**



YOUTH IN MOTION

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.25	\$1.75

YOUTH IN MOTION

- E300-901** **Health Promotion Poster** (over any concept/lesson)
- E300-902** **Health Promotion Brochure** (for kids& families, by kids) (over any concept/lesson)
- E300-903** **Health Promotion PSA or Video Blurb** Exhibit can be a tape with a 60 sec. PSA or a DVD/Video with a 60 sec. commercial
- E300-904** **Interview** of a professional in the health field about topics from the project.
- E300-905** **Photo Display** of field trip to a recreation center, training table, etc.
- E300-906** **Progress Log/Journal/Portfolio** (shows progress in activity levels and nutritious choices throughout span of project, can include any relevant educational material the 4-H'er collects, photos, etc.)
- E300-907** **Electronic Portfolio or Webpage** (perhaps similar to the hard-copy project above or can be more of an educational tool for others).
- E300-908** **Physical Activity File/Book** (like recipe book except it is an organized collection of game ideas, stretching & strength exercise diagrams, web sites, pages with sports rules, etc.)
- E300-909** **Helpings & Servings Investigation** - do a report on serving sizes served in restaurants, at home, etc. Could also do an investigation and report with food labels. Exhibit can be poster or notebook.
- E300-910** **Portfolio or Scrapbook of a Community Service Project** supporting healthy lifestyles (portfolio that can be passed on to future club members and leaders to use) – build a trail, raise money for equipment, etc.



FOODS, NUTRITION and FOOD PRESERVATION

RULES:

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

- B. General - Members may exhibit only in the project in which enrolled. Baked products entered in the county fair cannot be entered at State Fair – products should be baked the day before entry day or as designated by county. Premier 4-H Science Awards are available in this project area. Please see General Rules for more information.
- C. Entries per Individual- Each 4-Her may enter one item per class in each foods project they are enrolled in.
- D. Labels - Each exhibit must include the recipe. Recipe may be handwritten, photocopied or typed. Place food on the appropriate sized plate or container and put in self-sealing bag. Attach entry tag and recipe at the corner of the bag. For NON-FOOD ENTRIES please attach the entry tag to the upper right hand corner of the entry. GENERAL LABELING INFORMATION, including recipes and supplemental information should be identified with 4-H'ers name and county.
- E. Criteria for Judging - Exhibits will be judged according to score sheets available at your local Extension office or at <http://4h.unl.edu/county-fair/scoresheets>. 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, and other pre-made mixes entered in other categories will be lowered a ribbon placing.
- F. Food Projects - Exhibits should be entered using a disposable pan or plate and covered by a plastic self-sealing bag. The Hamilton County Fair is not responsible for non-disposable containers, lost bread boards, china, or glassware.
- G. 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 crusts BEFORE baking are acceptable. Eggs incorporated into baked goods and crusts and cheese mixed into baked goods are considered safe.
- H. Ingredients that the 4-H 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.
- I. BAKE SALE - A representative sample of all baked goods will remain on display throughout the fair. The remaining portions will be combined into a bake sale in the 4-H café (food stand) after judging on Thursday. Proceeds go to the Hamilton County 4-H Council to be used in running the 4-H program.

PREMIUM	Purple	Blue	Red	White
	3.00	\$2.75	\$2.25	\$1.75

General

E350-001 FOOD SCIENCE EXPLORATIONS (Scoresheet SF152) open to any 4-H'er enrolled in a Foods & Nutrition or Food Preservation project. Show the connection between food and science as it relates to food preparation, food safety, or food production. Exhibit may be a poster or foam core board (not to exceed 22" x 30"), computer based presentation printed off with notes pages, if needed, and displayed in a binder, an exhibit display, a written report in a portfolio or notebook. Consider neatness and creativity.

E350-002 FOODS AND NUTRITION POSTER, SCRAPBOOK, OR PHOTO DISPLAY (Scoresheet SF122) open to any 4-H'er enrolled in a Foods & Nutrition or Food Preservation project. The project should involve a nutrition or food preparation technique or career/concept lesson. This might contain pictures, captions and/or a report to highlight the concept. Exhibit may be a poster or a foam core board (not to exceed 22" by 30"); a computer-based presentation printed off with notes pages (if needed) and displayed in a binder; an exhibit display; or a written report in a portfolio or notebook. Consider neatness and creativity.

E350-003 PHYSICAL ACTIVITY AND HEALTH POSTER, SCRAPBOOK, OR PHOTO DISPLAY (Scoresheet SF122) Open to any 4-H'er enrolled in a Foods & Nutrition or Food Preservation project. The project should involve a physical activity or career/concept lesson. This might contain pictures, captions and/or a report to highlight the concept. Exhibit may be a poster or a foam core board (not to exceed 22" by 30"), a computer based presentation printed off with notes pages, if needed, and displayed in a binder, an exhibit display, or a written report in a portfolio or notebook. Consider neatness and creativity

E350-004 COOKING BASICS RECIPE FILE (Scoresheet SF251) A collection of 10 recipes from any source. Each recipe must accompany a complete menu in which the recipe is used. An additional 10 recipes may be added each

year the 4-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.

E350-900- Food Flop

COOKING 101

E401-901 Cookies (any recipe) Four on a paper plate.

E401-902 Muffins (any recipe) Four on a paper plate.

E401-903 No Bake Cookies (any recipe) Four on a paper plate.

E401-904 Cereal Bar Cookie (any cereal based recipe made in pan and cut into 4 bars or squares for serving)

E401-905 Granola Bar (any recipe) Four on a paper plate

E401-906 Brownies (any recipe) Four on a paper plate.

E401-907 Snack Mix (any recipe) at least one cup in a self-sealing plastic bag.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.75	\$3.25	\$2.75

Cooking 201

E410-001 LOAF QUICK BREAD (Scoresheet SF123) any recipe, at least ¾ 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 ½" x 4 ½" or 9" x 5". If mini-loaf pans are used for exhibit, two loaves must be presented for judging.

E410-002 CREATIVE MIXES (Scoresheet SF142) any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Baked item made from a mix (commercial or homemade mixes acceptable). Food product must have been modified to make a new or different baked item. Examples include poppy seed quick bread from a cake mix, cake mix cookies, sweet rolls made from readymade bread dough, monkey breads from biscuit dough, streusel coffee cake from a cake mix, etc. Write what you learned about making this product using a mix instead of a homemade recipe or recipe "from scratch". Does it make it better or easier to use a convenience product or mix? Why or why not?

E410-003 BISCUITS OR SCONES (Scoresheet SF136) four biscuits or scones on a small paper plate. This may be any type of biscuit or scone: rolled, or dropped. Any recipe may be used, but it must be a non-yeast product baked from scratch.

E410-004 HEALTHY BAKED PRODUCT (Scoresheet SF124) any recipe, at least ¾ of baked product or 4 muffins/cookies on a paper plate. May be baked 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.).

E410-005 COFFEE CAKE (Scoresheet SF129) any recipe or shape, non-yeast product - at least ¾ of baked product. May be baked in a disposable pan.) Include menu for a complete meal where this recipe is served, following meal planning guidelines suggested in Cooking 201.

E410-006 BAKING WITH WHOLE GRAINS (Scoresheet SF134) any recipe, at least ¾ of baked product or 4 muffins/cookies on a paper plate. May be baked in a disposable pan. Recipe must contain whole grains as part of the ingredients. (Ex. whole wheat applesauce bread, peanut butter oatmeal cookies, gluten free baked goods made with an alternative whole grain flour, etc.)

E410-007 NON-TRADITIONAL BAKED PRODUCT (Scoresheet SF133) exhibit must include a food product prepared using a non-traditional method (i.e. bread machine, cake baked in convection oven, baked item made in microwave, etc.) Entry must be at least ¾ baked product, or 4 muffins or cookies on a paper plate. Entry must include supporting information that discusses alternative preparation method and how it compares with traditional method.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.75	\$4.25	\$3.75

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.

E411-001 WHITE BREAD (Scoresheet SF138) any yeast recipe, at least ¾ of a standard loaf displayed on a paper plate.

E411002 WHOLE WHEAT OR MIXED GRAIN BREAD (Scoresheet SF138) any yeast recipe, at least ¾ of a standard loaf displayed on a paper plate.

E411-003 SPECIALTY ROLLS (Scoresheet SF138) any yeast recipe, 4 rolls on a paper plate. May be sweet rolls, English muffins, kolaches, bagels, or any other similar recipe that makes individual portions.

E411-004 DINNER ROLLS (Scoresheet SF138) any yeast recipe, 4 rolls on a paper plate. May be cloverleaf, crescent, knot, bun, bread sticks, or any other type of dinner roll.

E411-005 SPECIALTY BREAD (Scoresheet SF141) 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. May be baked in a disposable pan.

E411-006 SHORTENED CAKE (Scoresheet SF137) NOT FROM A CAKE MIX! At least ¾ of the cake. 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).

PREMIUM	Purple	Blue	Red	White
	\$6.00	\$5.75	\$5.25	\$4.75

Cooking 401

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

E412-001 DOUBLE CRUST FRUIT PIE (Scoresheet SF144) made with homemade fruit filling. No egg pastries or cream fillings. No canned fillings or premade pie crusts. May be a double crust, crumb, cut-out or lattice topping. Using an 8- or 9-inch disposable pie pan is recommended.

E412-002 FAMILY FOOD TRADITION (Scoresheet SF145) any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Any baked item associated with family tradition and heritage. Entry must include (A) recipe, (B) tradition or heritage associated with preparing, serving the food, (C) where or who the traditional recipe came from.

E412-003 ETHNIC FOOD EXHIBIT (Scoresheet SF146) 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 some background information about the country or culture the food item is representing.

E412-004 CANDY (Scoresheet SF147) 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.

E412-005 FOAM CAKE (Scoresheet SF138) 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 or meringues; sponge or jelly roll cakes; and chiffon cakes. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frostings allowed).

E412-006 SPECIALTY PASTRY (Scoresheet SF143) any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Baked items such as pie tarts, puff pastry, phyllo doughs, biscotti, choux, croissants, Danish, strudels. Phyllo dough may be pre-made or from scratch. Pastries made with cream or egg based fillings will be disqualified.

FOOD PRESERVATION

A. Entries per Individual - One entry per exhibitor per class.

B. Processing Methods - Current USDA processing methods and altitude adjustments must be followed for all food preservation. Jam, preserves and marmalades, fruit, tomatoes and pickled products must be processed in a boiling water bath. (Tomatoes may be processed in a pressure canner.) All non-acid vegetables and meats must be processed in a pressure canner. Spoiled or unsealed container disqualifies entry.

C. Uniformity - Jars and type of lid should be the same size, all small or large, not necessarily the same brand. Half pint jars may be used for jellies and preserves. The jars are not to be decorated by the exhibitor in any way. Canning jars must be used - others will be disqualified. No one-fourth pint jars allowed. Leave jar rings on for fair display, it helps protect the seal. No zinc lids. Improperly canned or potentially hazardous food items will be disqualified.

D. Current Project - All canning must be the result of this year's 4-H project, since September 1, of the previous calendar year.

E. Criteria for Judging - Exhibits will be judged according to score sheets available at your local Extension office or at <http://4h.unl.edu/county-fair/scoresheets>. Incomplete exhibits will be lowered a ribbon class. Canned food items not processed according to altitude in the county will be lowered one class ribbon. Check with your local extension office for your county's altitude and how that affects food processing times and pounds of pressure.

F. The State Fair Board is not responsible for lost, damaged or broken exhibits.

G. Recipe/Labeling - Recipe must be included, and may be handwritten, photocopied or typed. Commercially prepared mixes are not allowed. See <http://food.unl.edu/web/preservation/home> for current USDA guidelines, how to find your Nebraska altitude, and proper procedures for food preservation. Jars should be labeled with name of 4-H'er, county, and date of processing. All exhibits must include the 4-H Food Preservation Card attached to the project as the required supporting information or include following information with exhibit:

1. Name of product
2. Date preserved
3. Method of preservation (pressure canner or water bath canner)
4. Type of pack (raw pack or hot pack)
5. Altitude (and altitude 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). Write plainly on label and attach securely to exhibit. Securely attach official entry card to exhibit. Multiple dried food exhibits should be secured by a rubber band or "twisty" to keep exhibit containing the 3 self-sealing bags together.
9. Recipe and source of recipe (if a publication, include name and date).

Recipes can come from any source but current USDA guidelines for food preservation methods MUST be followed. See <http://food.unl.edu/web/preservation/home> for current USDA guidelines.

PREMIUM	Purple	Blue	Red	White
	\$3.50	\$3.25	\$2.75	\$2.25

4-H HOME FOOD PRESERVATION SERIES

DIVISION 407

UNIT 1 FREEZING PROJECT MANUAL

E407-001 BAKED ITEM MADE WITH FROZEN PRODUCE (Scoresheet SF155) any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Recipe MUST include a food item preserved by the freezing method done by the 4-H'er. Ex. Peach pie, blueberry muffins, zucchini bread, etc.). Supporting information must include both the recipe for the produce that was frozen as part of this project AND the baked food item.

UNIT 2 DRYING PROJECT MANUAL

E407-002 DRIED FRUITS (Scoresheet SF154) exhibit 3 different examples of 3 different dried fruits. Place each dried fruit food (6-10 pieces of fruit, minimum 1/4 cup) in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E407-003 FRUIT LEATHER (Scoresheet SF154) exhibit 3 different examples of 3 different fruit leathers. Place a 3-4" sample of each fruit together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E407-004 VEGETABLE LEATHER (Scoresheet SF154) exhibit 3 different examples of 3 different vegetable or vegetable/fruit leather combo. Place a 3-4" sample of each leather together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E407-005 DRIED VEGETABLES (Scoresheet SF149) exhibit 3 different samples of 3 different dried vegetables. Place each food (1/4 cup of each vegetable) in a separate self-sealing bag. Use a rubber band or "twisty" to keep exhibit together.

E407-006 DRIED HERBS (Scoresheet SF149) exhibit 3 different samples of 3 different dried herbs. Place each food (1/4 cup of each herb) in a separate self-sealing bag. Use a rubber band or "twisty" to keep exhibit together.

E407-007 BAKED ITEM MADE WITH DRIED PRODUCE/HERBS (Scoresheet SF156) any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Recipe MUST include a dried produce/herb item made by the 4-H'er. Ex. Granola bar made with dried fruits, dried cranberry cookies, Italian herb bread, lemon thyme cookies. Supporting information must include both the recipe for the dried produce/herb AND the baked food item.

UNIT 3 BOILING WATER CANNING MANUAL

E407-008 1 JAR FRUIT EXHIBIT (Scoresheet SF150) exhibit one jar of a canned fruit. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407-009 3 JAR FRUIT EXHIBIT (Scoresheet SF150) exhibit 3 jars of different canned fruits. May be three different techniques for same type of product, ex. Applesauce, canned apples, apple pie filling, etc. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407-010 1 JAR TOMATO EXHIBIT (Scoresheet SF150) exhibit one jar of a canned tomato product. Entry must be processed in a boiling water bath according to current USDA recommendations.

E407-011 3 JAR TOMATO EXHIBIT (Scoresheet SF150) exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a boiling water bath according to current USDA recommendations.

E407-012 1 JAR PICKLED EXHIBIT (Scoresheet SF150) one jar of a pickled and/or fermented product. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407-013 3 JAR PICKLED EXHIBIT (Scoresheet SF150) exhibit 3 jars of different kinds of canned pickled and/or fermented products. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407-014 1 JAR JELLED EXHIBIT (Scoresheet SF153) exhibit one jar of a jam, jelly or marmalade. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407-015 3 JAR JELLED EXHIBIT (Scoresheet SF153) exhibit 3 different kinds of jelled products. Entry may be made up of either pints or half pints (but all jars must be the same size). Entry must be processed in the boiling water bath according to current USDA recommendations.

UNIT 4 PRESSURE CANNING PROJECT MANUAL

E407-016 JAR VEGETABLE OR MEAT EXHIBIT (Scoresheet SF150) exhibit one jar of a canned vegetable or meat. Include only vegetables or meats canned in a pressure canner according to current USDA recommendations.

E407-017 3 JAR VEGETABLE EXHIBIT (Scoresheet SF150) exhibit 3 jars of different kinds of canned vegetables. Include only vegetables canned in a pressure canner according to current USDA recommendations.

E407-018 3 JAR MEAT EXHIBIT (Scoresheet SF150) exhibit 3 jars of different kinds of canned meats. Include only meats canned in a pressure canner according to current USDA recommendations.

E407-019 QUICK DINNER (Scoresheet SF151) exhibit a minimum of 3 jars to a maximum of 5 jars (all the same size) plus menu. Meal should include 3 canned foods that can be prepared within an hour. List complete menu on a 3" X 5" file card and attach to one of the jars. Entry must be processed according to current USDA recommendations

E407-020 JAR TOMATO EXHIBIT (Scoresheet SF150) exhibit one jar of a canned tomato product. Entry must be processed in a pressure canner according to current USDA recommendations.

E407-021 3 JAR TOMATO EXHIBIT (Scoresheet SF150) exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a pressure canner according to current USDA recommendations.

CAKE DECORATING

Cake Decorating exhibits are open to any 4-H'er enrolled in a foods project.

CAKE AUCTION –Award will be given to the Grand Champion Cake Winner All decorated cakes will be auctioned to the highest bidder on Thursday night after the awards presentation. The 4-H member will receive 50% of the proceeds of the selling price from the cake auction. The other 50% will go into the 4-H Scholarship Fund. The 4-H member's portion will be included in their premium check that they receive at Achievement Night. Youth are encouraged to present their cakes at the auction. A photograph of the cake will remain on display throughout the fair. No Styrofoam based decorated cake entries will be allowed in the auction. Cakes must be displayed in a cake box with transparent lid. **Only 1 cake per exhibitor can be entered in the auction. Clover kids are not allowed to participate in the cake auction.**

Limit of 1 cake per class per exhibitor.

Beginner Division – for 4-H members entering decorated item for the 1st, 2nd, or 3rd year.

Advanced Division – for the 4-H member entering decorated item for the 4th or more years.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.50	\$3.00	\$2.50

Beginning Division

E414-901 Bake and Frost a One-Layer 8" or 9" round or square, or 9" x 13" oblong cake. Decorate with edible items such as candies, pretzels, coconut, etc. Non-edible items (plastic, paper, toothpicks) may not be used on the cake. Do not use decorating tips.

E414-902 Bake and Decorate a Character Cake. Use decorating tips appropriate for the design selected. Non-edible items may not be used on the cake.

E414-903 Bake and Decorate a One-Layer Cake. Use 3 to 4 different types of tips in decorating. You must use the writing, star and leaf tips. Two other tips of your choice may be used if they enhance your design. Do not use flowers made on a flower nail or materials other than icing. Only icing should be used in decorating the cake.

E414-904 Bake and Decorate a Cut-Up Cake. The design must be applied using at least 3 decorator tips, however, parts of the design may be created with edible materials (coconut, candies, etc.). Only edible items may be used on the cake.

E414-905 Four Decorated Cookies (cookies may be purchased or homemade) or ***cupcakes** Must be decorated with bag and tip or rolled fondant.

E414-906 Graham Cracker Gingerbread House - to be made and exhibited prior to Decorated Gingerbread house. Base 15" x 15" or smaller.

E414-907 Decorated Gingerbread House - must be made of gingerbread with edible items and parts on a base no larger than 15"x15".

E414-908 Fondant Bake and decorate one-layer cake using poured or rolled fondant.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.50	\$4.00	\$3.50

Advanced Division

E414-909 A Two-Layer 8", 9" or 10" Cake (may be a baked cake or a form 4" tall for each layer) using a minimum of: one flat surface flower, one flower made on a flat flower nail, one border and one side trim learned in the unit. Design should be suitable for the size and shape of the cake. Use only edible materials except stamens for the flowers. Stamens may be purchased or handmade.

E414-910 A Two-Layer 8", 9" or 10" Cake (may be a baked cake or a form 4" tall for each layer) using figure piping, flower made by a lily nail and techniques learned in previous units. Design should be suitable for the size and shape of the cake. Artificial stamens for flowers, leaves, wire stems and floral tape may be used. All other cake decorations must be edible. Other decorations which may be used on the cake include flowers and leaves hooked to a wire stem.

E414-911 A Cake Using Tiers of Graduated Sizes. Each tier should be a two-layer cake or a form that is 4" tall. Supports, separator plates and pillars may be used. Techniques learned in previous units must be used to decorate the cake. The decorated cake must be for a wedding, anniversary, formal party or other equally elegant occasion. Design should be suitable for the size and shape of the cake. Artificial stamens for flowers, leaves, wire stems, floral tape, special occasion ornaments, tulle and filler flowers may be used. All other cake decorations must be edible.

E414-912 One Two-Layer 8", 9" or 10" Cake. Either baked or 4" high forms for each layer. Decorated with molded items. Molded items may include pastillage, rolled butter cream, gum paste, marzipan, molded chocolate, sugar molds, etc. Design should be suitable for the size and shape of the cake. All molds and/or shapes must be made of edible materials.

E414-913 Large Decorated Cookie using advance techniques.

E414-914 Decorated Gingerbread House Advanced Division - house must be made of gingerbread with edible items and parts and on a base (card-board, tray, etc.) 15"x15" or smaller.

E414-915 *One Two-Layer 8", 9" or 10" cake. Either baked or 4" high forms for each layer. Must be decorated with bag & tips or rolled fondant

E414-916 Cake Creation Bake & decorate a cake of any size or # of tiers. 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 and floral tape may be used. All other cake decorations must be edible. The cake can be for any occasion.

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.50	\$2.25

DISPLAY BOARDS

Beginning Division

E414-917 Display Board – Showcase your skills using 5 different tips. You must include examples of the writing, star and leaf tubes.

Advanced Division

E414-918 Display Board – should include at least 2 borders, 1 flat surface flower, 1 flower made on a flat flower nail, 2 side trims

E414-919 Display Board – Should include at least: 2 borders, 2 techniques – 3 flowers – at least one made on a lily nail.

4-H CULINARY CHALLENGE

Champions will be awarded in each age division. Rosettes will be awarded to the Reserve Champions in each age division. Junior (8-9) Intermediate 10-13 and Senior (14+) Winning entries will be displayed at the County Fair.

State Fair Eligibility:

Eligible winners at a county contest may advance to the 4-H Culinary Challenge Contest, **but participation at the county level is not required.** The 4-H'er must be enrolled in at least one Foods and Nutrition project to enter the Contest. Each County is eligible to submit up to 4 teams of two 4-H members for the 4-H Culinary Challenge Contest

to be held during the Nebraska State Fair. Selection of such eligible teams shall be at the discretion of the county. Only Intermediate and Senior division can advance to the State Fair

Purpose of the contest:

Must be a team of 2 and be enrolled in a Foods & Nutrition project. Participants should plan a menu suitable for an indoor or outdoor meal. Prepare the menu item that includes the current challenge ingredient and bring it along with selected table service (1-2), display cards (see below) and card table. The food may be an individual or family-size serving. Table service should include: dishes, flatware and table linens for one or two place settings. Paper plates, etc. are acceptable. Display cards: print the occasion (example: lunch for nature hike) and complete menu on one card and the recipe prepared on another. Teams are to demonstrate healthy decision making through nutrition, menu planning, food preparation and food safety; apply healthy living knowledge and showcase skills; and highlight knowledge by utilizing technology. The presentation will be made to a judge and technology will be part of the interview process

Challenge Ingredient/Item:

A challenge ingredient will be selected each year, highlighting a Nebraska commodity food product. **The 2019 challenge ingredient is dairy.** Please keep food safety in mind when selecting the recipe used for the Challenge. Foods must be able to kept chilled during transport to the contest, then be able to be re-heated in a slow cooker or microwave. Each team must incorporate the challenge ingredient into their food item they will be presenting during the contest. The challenge ingredient must also be included in the interview presentation, demonstrating youth knowledge of the ingredient, such as nutritional value, a farm-to-fork concept, or how to adapt a recipe to include the ingredient.

Judges Interview:

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

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

- nutritional facts of their menu
- food safety
- time management
- choice of menu
- food preparation
- cost of item/per serving
- food handling techniques
- recipe of the food item shared with the judge
- challenge ingredient (nutritional value, farm-to-fork, recipe revision, etc.)

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.75	\$4.25	\$3.75

4-H Culinary Challenge Contest

E500-904 Junior (8-9)
E500-097 Intermediate (10-13)
E500-098 Senior (14-18)

SAFETY
Superintendent: Christi Aycock



PREMIUM	Purple	Blue	Red	White
E440-001 to E440-005	\$5.00	\$4.50	\$4.00	\$3.50
E440-901	\$2.50	\$2.25	\$1.75	\$1.25

SAFETY

E440-001 First Aid Kit (Scoresheet SF 110) 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-H425, pages 6 & 7 and scoresheet SF110 for guidance.

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.

E440-002 Disaster Kit (Emergency Preparedness). (Scoresheet SF 111) Disaster kits must contain the materials to prepare a person or family for emergency conditions caused by a natural or man-made incident. Selection of materials is left to the exhibitor. Family or group kits must have enough material or items for each person. A description of the kit's purpose, the number of people supported and a list of contents is required. Youth are encouraged to test their kit by challenging their family to try to survive using only the included materials for the designated time. If tested, share that experience in kit documentation. Please include an explanation of drinking water needs for your disaster kit. Do not bring actual water to the fair in the kit. Refer to score sheet SF111.

E440-003 Safety Scrapbook (Scoresheet SF 292) 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.

E440-004 Safety Experience (Scoresheet SF 190) The exhibit should share a learning experience the youth had related to safety. Examples could be participating in a first aid or first responder training, a farm safety day camp, babysitting workshop or similar event; scientific experiment related to safety; or the youth's response to an emergency situation. The exhibit should include a detailed description of the experience, the youth's role, some evidence of the youth's leadership in the situation and a summary of the learning that took place. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes.

E440-005 Careers In Safety (Scoresheet SF 191) 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.

E440-901 Safety Poster – any topic.

PREMIUM	Purple	Blue	Red	White
	\$2.50	\$2.25	\$1.75	\$1.25

FIRE SAFETY

E450-001 Fire Safety Poster (Scoresheet SF 269) 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".

E450-002 Fire Safety Scrapbook (Scoresheet SF 270) 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" paper. Correct sentence structure, readability and thorough explanations are an important part of judging.

E450-003 Fire Prevention Poster (Scoresheet SF 268) 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 (Christmas, 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".

PREMIUM	Purple	Blue	Red	White
	\$2.50	\$2.25	\$1.75	\$1.25

BICYCLE

E455-901 Bicycle Demonstration Display This is an individual exhibit. It may include (a) parts or system of a bicycle, (b) worn or broken part or (c) a step-by-step procedure of how some repair or service job is performed. Actual parts or cut-away of parts is recommended. The exhibit is to be prepared on a 24" high by 32" wide board not to exceed 1/4" in thickness

E455-902 Bicycle Poster

**DEPARTMENT A
LEADERSHIP & CITIZENSHIP**

Superintendent: Christi Aycock



LEADERSHIP UNIT 1, 2 AND 3

4-H'ers will develop exhibits that will best show what they have learned. The exhibit may include but is not limited to: Poster 14" by 22"; notebooks 8 1/2" by 11"; PowerPoint with copy of slides; scrapbook, any size; or any other means that would best show skills learned in the project to accomplish exhibit.

PREMIUM	Purple	Blue	Red	White
	\$2.50	\$2.25	\$1.75	\$1.25

MY LEADERSHIP WORKBOOK – Grades 3-5

A540-901 Develop an Exhibit About "Me". Entry may be a poster, notebook, scrapbook, collage, or PowerPoint presentation that depicts who you are by using five of the questions on "Assess Myself" on page 8 in the "My Leadership Workbook".

A540-902 Interview a Leader – Interview a person close to you. What is very important to them? Explain an activity or event they enjoy. Why is it important? Who is important to them, and why? Have the person interviewed describe something about themselves that is not known by many people. How has the person's life been shaped because of this? Exhibit should include the questions asked and the responses. Examples could be as a tape recording or in a written format.

A540-903 Who is Responsible – make a list of activities that you control in your life. Keep a record of your choices for these activities – positive and/or negative. What are the consequences for our choices? Write ways of how you can make positive choices. How will positive choices affect your leadership potential?

A540-904 Observation of Non-Verbal Communication Skills – observe three conversations for 10 to 15 minutes each. Complete the chart on Page 18. Answer the questions in the Step Inward box on Page 19 of the Grade 3-5 "My Leadership Workbook" manual.

A540-905 Get Organized – Develop a plan for organizing your room. Show pictures and what steps were taken to complete the task. Complete "Step Out" and "Step Inward" Activities on pages 22-23 of the "My Leadership Workbook" manual.

A540-906 Plan a Vacation – Follow guidelines on pages 26-27 on "Step Out" and "Step Inward" activities to help you develop a vacation timeline to depict what needs to be completed to have a successful vacation. Exhibit could be a poster, notebook or calendar with steps listed and dated.

A540-907 Make a Decision – Complete the decision making process. See pages 32-33 in the "My Leadership Workbook" manual for direction. Plan a group or individual event. Follow the seven steps of Decision Making. Exhibit could be a notebook.

A540-908 Other Lesson from Manual or Other Source on Leadership.

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.25	\$1.75

MY LEADERSHIP JOURNAL - Grades 6-8 (and any of the classes in My Leadership Workshop, Grades 3-5).

A541-901 Becoming Accountable for your Responsibilities – develop chart that shows your responsibilities. List each responsibility with the time you spent on that activity. List how you can re-organize your time to become more accountable to your responsibilities.

A541-902 Develop a Presentation or Speech – video tape or audio tape your presentation or speech. Include a written copy of your presentation or speech with the exhibit. Explain what you have learned and how you plan to use these skills in your future career.

A541-903 Goal Setting – write three goals that you want to achieve. When writing your goals consider what actions you must take to reach these goals, how you are going to do it and when you are going to do it. Make sure your three goals include all three parts. Clearly defined goals make it easier to determine how to achieve the desired results. (Examples: “I want people to like me” is unclear. “I want to make three new 4-H friends this year” is clear.)

A541-904 Other Lesson from Manuals or Other Source on Leadership.

PREMIUM	Purple	Blue	Red	White
	\$3.50	\$3.25	\$2.50	\$1.75

MY LEADERSHIP PORTFOLIO - Grades 9-12 (and any of the classes in My Leadership Journal and My Leadership Workbook, divisions 540 and 541).

A542-901 My Treasure Chest – develop an exhibit that shows your skills as a leader and/or skills that you would like to achieve to become a better leader. Exhibit could be a poster or collage of skills.

A542-902 Interview – develop interview questions for someone you want to interview. Complete the interview and write a story about the person interviewed based on questions and answers obtained in the interview. Exhibit should include the questions and responses in a written format.

A542-903 Your Mission – Review/critique mission statements and vision statements for an organization to which you belong OR write a mission statement and a vision statement for your organization. Mission statements should include 3 points:

1. What is the purpose of the organization?
2. What is the business of the organization?
3. What are the values of the organization?

Vision statements identify where the organization intends to be in the future.

A542-904 Decisions, Decisions, Decisions – Explore an issue and develop recommendations to how you should respond to the issue. Examples could include homelessness, school violence, community improvement and any other topic facing youth today.

A542-905 Other Lesson from Manuals or Other Source on Leadership.

Serving As A Junior Leader

A543-901 Leadership/Lesson plan or Poster from a workshop you designed and taught (identify resources)

A543-902 Assessment/Evaluation of a perceived community need and a Service Learning ‘action plan’

A543-903 - Personal Mission Statement, explain the personal goals it represents, what motivates you and your vision of how it will guide you in the next 5 years.

A543-904 – Essay on how you met or are meeting the needs of another/others (Example: Introduction, Response, Initial/Continuing Action, Communication, Result)

CITIZENSHIP

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

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

Supporting Material: All entries must have a statement explaining the purpose of the exhibit and how the exhibit will be used. Exhibitors are encouraged to show evidence of their personal field experiences, study or observations that relate to their exhibit. This helps the judges understand what the 4-H'er did and learned in the process that led to the exhibit.

References: All exhibitors should reference material sources or supporting information used in exhibits (i.e., if questions from a game were taken from an outside source, they must be referenced).

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

Entries: Each exhibitor is limited to one item per class. All static Exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

Premier 4-H Science Award is available in this area. Please see General Rules for more details. Scoresheet SF182.

PREMIUM	Purple	Blue	Red	White
Classes 1- 10	\$3.50	\$3.00	\$2.50	\$2.00
Class 901	\$5.00	\$4.50	\$4.00	\$3.50

CITIZENSHIP (SF 182)

A120-001 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, PowerPoint 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. How did you select the organization? What items did you include in your care package? Why did you select those items? How did it feel to present your care pack to the organization? What did you learn from this experience? Other information that you feel is important about the care package or organization. Some examples of care packages are: backpacks for school supplies, litter pan for animal shelter items, suitcase for abuse shelter or homeless shelter, etc.

A120-002 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.

A120-003 Patriotic or Cultural Fine Arts can be made of any art media but should tie in the relevance of the artwork to citizenship.

A120-004 Public Adventure Scrapbook should describe your Public Adventure or Service Learning Activity. Scrapbooks must measure no more than 16" x 16".

A120-005 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".

A120-006 Written or Recorded Stakeholder Interview should follow the outline found in the Public Adventures Curriculum. It may be written or recorded.

A120-007 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.

A120-008 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 on a good-quality cassette tape and in a natural style. Voice tone should be normal and conversational. A copy of the written essay should be attached.

A120-009 Service Items can include but aren't limited to lap quilt and homemade toys. Only non-perishable items will be accepted. Attached to the exhibit should be an explanation of whom the recipient was and how the service project was made and used. The service item could be part of a larger community service effort.

A120-010 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, and cultural or creative arts item or care package.

A120-901 4-H Promotion Banner- to be displayed in the 4-H Building eating area. All banners should reflect a generic 4-H theme (Making the Best Better, etc.) and could include the club name and its focus, or reflect the current fair theme. The banner must have a permanent hanger for display purposes. Size should be no smaller than 3'x6' and no larger than 4'x6'. Shape can be pennant or rectangle. 4-H Clubs, Independent Members and 4-H Families may enter a 4-H Promotional Banner. In addition to premium monies, the top entry's creator or creators will receive \$50 gift card for pizza from the 4-H Council.

PREMIUM	Purple	Blue	Red	White
	\$2.50	\$2.25	\$1.75	\$1.25

i2i (eye-2-eye) (SF 183)

A130-001 Cultural Fine Arts can be made of any art media but should symbolize what makes them unique.

A130-002 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.

A130-003 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.

A130-004 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.)

A130-005 Cultural Food Exhibit that is special to your family. Can be a story or essay.

A130-006 "This is Who I Am" poem.

A130-007 i2i Poster that depicts what you have learned through the i2i Project.

A130-008 Historical Figure Biography about an historical figure that has made a positive impact on our society or

who have made a difference in the lives of others.
A130-009 Play Script written about a different culture.

ENTREPRENEURSHIP
Superintendent: Christi Aycock

General Information

All exhibits are directly related to activities in the project manual. Refer to the manual for ideas, suggestions and additional information to enhance project exhibits. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

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 (not paper-clipped or taped) 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.

Scoresheet SF181

PREMIUM	Purple	Blue	Red	White
	\$3.00	\$2.75	\$2.25	\$1.75

ESI: ENTREPRENEURSHIP INVESTIGATION

ESI Unit 1 – Discover the E-Scene

F531-001 Interview an Entrepreneur Share what you learned from the person about starting and running a business or how they deliver excellent customer service. How will what you have learned through this interview change your future plans

ESI Unit 2 – The Case of ME

F531-002 Social Entrepreneurship Presentation Prepare a five slide power point presentation about a social entrepreneurship event to benefit a group or individual in your community. Social entrepreneurs are people who are in business to help others. Submit a print out of the note pages which show each slide and include an explanation of each slide. Enter exhibit in a report 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

F531-003 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.

F531-004 Sample of an Original Product

(8 ½" x 11") answering the following questions:

- o What did you enjoy the most about making the product?
- o What challenges did you have when making the product? Would you do anything differently next time? If so, what?
- o What is the suggested retail price of the product? How did you decide on the price?
- o 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.
- o How much would you earn per hour? Show how you determined this figure.
- o What is unique about this product?

F531-005 Photos of an Original Product (mounted on a 14" by 22" poster) must include three photos of developed product and a mounted information sheet answering the following questions. **If exhibiting in both Class 4 and Class 5, products must be entirely different products.**

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. 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?

ENTREPRENEURSHIP – ALL UNITS

F531-006 Entrepreneurship Challenge Take on the entrepreneurship challenge. Entrepreneurship Challenge is open to 4-H'ers enrolled in any of the three units of ESI. Complete five (5) or more of the challenges from the following list. The exhibit will include highlights from these five (5) challenges. Consider labeling each challenge so the viewer will understand what the challenge was. Enter a poster, video, report or scrapbook related to the learning from the challenge. Use your creativity to show and share what you learned.

Select your five (5) challenges from the list below:

1. Sell something.
2. Introduce yourself to a local entrepreneur and take a selfie with them.
3. Be a detective! Look for Nebraska-made products and find out more about the business.
4. Tour 2-3 entrepreneurial businesses and create a photo story.
5. Investigate what it takes to be an entrepreneur (Skills Assessment ESI 4.1.)
6. Make a prototype (sample/model) of a new product idea. (Include the prototype or a photo of prototype.)
7. Work with a friend to develop a new business idea!
8. Contact your local Extension Office to learn about entrepreneurship opportunities.
9. Create an activity to teach others about entrepreneurship (coloring page, puzzle, game, etc.)

DEPARTMENT G
PLANT SCIENCE
 Superintendent: Sue McDonald

Agronomy
FIELD CROPS



Individuals in the Crop Production or Field Crops projects may exhibit grain or plants or prepare an educational display representing their project.

- A. **IMPORTANT:** A two page (maximum) essay **must** accompany grain **and** plant exhibits. The essay 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 essay 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.
- B. The essay counts as 50% of the total when judged. Essay must be the original work of the individual exhibitor. Attach the essay to the entry in a clear plastic cover such that it can be read without removing it from the cover. In addition to the essay, 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.
- 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. Display containers will be furnished.
- D. Plant exhibits, with the exception of ears of corn (could be grain exhibit), 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.

PREMIUM	Purple	Blue	Red	White
\$4.00	\$3.00	\$2.50	\$2.00	

FIELD CROPS (Scoresheet: SF264)

G750-001 Corn (includes yellow, white, pop, waxy, or any other type)

G750-002 Soybeans

G750-003 Oats

G750-004 Wheat

G750-005 Any other crop (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

DISPLAYS SF259

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" 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.

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.

G750-006 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.

G750-007 Crop Technology Display Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.

G750-008 Crop End Use Display Display information about the uses for a Crop, such as food, feed, fuel or other products.

G750-009 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 sources.

G750-010 Career Interview Display The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview 1 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.

WEED SCIENCE

- A. 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).
- B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit 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 the order that plants were collected in your personal collection,
 7. Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed neatly. (Refer to Score sheet SF261)

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

Weed Science Books (scoresheet: SF261)

Display one plant on the book cover (no label required on cover specimen). 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. 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 the order that plants were collected in your personal collection 7. Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed neatly.

F751-001 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 five weeds that are a problem primarily in lawns.

F751-002 Life Span Book - A collection of 7 perennials, 1 biennial, and 7 annual weeds.

Displays

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.

F751-003 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 MANAGEMENT

GENERAL INFORMATION:

- Individuals in Reading the Range Unit 1 project may exhibit in Classes 1-5 and 8.
- Individuals in the Using Nebraska Range (Unit 2) project may exhibit in Classes 1-8.
- Each exhibit must be properly identified with Unit and Class.
- All plant displays and display covers must be the result of the current year's work.
- 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 2009), “Common Grasses of Nebraska” (EC170), and “Common Forbs and Shrubs of Nebraska” (EC118).
- 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.
- Premier 4-H Science Award is available in this area. Please see General Rules for more details.
- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

Books

- A. 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.
- B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project requirements.
- C. 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. Collection number, indicating order that plants were collected. 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.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

BOOKS (Scoresheet: SF260)

D330-001 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 (EC150, Revised July 2009) on pages 3 through 6. 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.

D330-002 Life Span Book – A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.

D330-003 Growth Season Book – A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.

D330-004 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.

D330-005 Major Types of Range Plants Book– A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.

D330-006 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 which describes what the plants have in common and why you have chosen to collect them.

Displays (Scoresheet: SF 259)

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 will be neatly titled. Make sure to label display with exhibitor's name, address, and county on backside.

D330-007 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. Put your name and 4-H county on the back of the poster.

BOARDS (Scoresheet: SF 260)

Display boards should be no larger than 30" wide by 36" tall or if hinged in the middle a maximum of 60" wide by 36" tall. Display boards will be adequately labeled.

D330-008 Range Plant Board – Will include 25 range forage species important to a particular county and should include:

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 as needed.

D330-009 Special Study Board – A display of the results of a clipping study, a degree of use study or a range site study, etc.

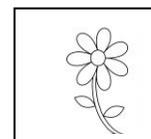
D330-010 Junior Rancher Board – This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.75	\$3.00	\$2.25

HORTICULTURE

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Premier 4H Science Award is available in this area. Please see General Rules for more details.

FLORICULTURE, EDUCATIONAL EXHIBITS AND HOUSEPLANTS



Youth must be enrolled in the **World of Flowers, Growing Great Houseplants** and/or **Annual Flowers** projects to exhibit cut flowers and educational exhibits. Exhibitors are limited to ONE ENTRY PER EXHIBIT CLASS NUMBER. **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 and use a rubber band to securely attach entry tag to containers. Exhibits entered under an incorrect class number or containing an incorrect number of stems will be dropped one ribbon placing. In classes 23, 44 & 45, do not duplicate entries with the classes listed by using other cultivars or varieties, 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 will not tip over (no plastic containers at State Fair, containers will not be returned at State Fair) and of adequate size to display blooms.

Follow the guidelines in 4-H Preparing Cut Flowers for Exhibits 4H227 (revised 2016) when preparing entries for the fair. Available in the Extension Office and on our website.

Notebooks and posters must have received a purple ribbon at the county fair to advance to the State Fair.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

FLORICULTURE (Scoresheet: SF 106)

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

G770-001 Aster

G770-002 Bachelor Buttons

G770-003 Bells of Ireland

G770-004 Browallia

G770-005 Calendula

G770-006 Celosia (crested or plume) (3 stems)

G770-007 Cosmos

G770-008 Dahlia

G770-009 Dianthus

G770-010 Foxglove

G770-011 Gladiolus (3 stems)

G770-012 Gomphrena

G770-013 Hollyhock (3 stems)

G770-014 Marigold

G770-015 Pansy

G770-016 Petunia

G770-017 Salvia

G770-018 Snapdragon

G770-019 Statice

G770-020 Sunflower (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)

G770-021 Vinca

G770-022 Zinnia

G770-023 Any Other Annual or Biennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)

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

G770-030 Achillea/Yarrow

G770-031 Chrysanthemum

G770-032 Coneflower

G770-033 Coreopsis

G770-034 Daisy

G770-035 Gaillardia

G770-036 Helianthus

G770-037 Hydrangea (3 stems)

G770-038-Liatris (3 stems)

G770-039 Lilies (3 stems) (Not Daylilies)

G770-040 Platycodon

G770-041 Rose (3 stems)

G770-042 Rudbeckia/Black-eyed Susan

G770-043 Sedum

G770-044 Statice

G770-045 Any Other Perennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) (do not duplicate entries in classes 30-43)

G770-046 4-H Flower Garden Collection of 5 different flowers. 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 will not be returned at State Fair. Do not duplicate entries in classes 1-45 with any in the group collection.

G770-901 Flowering Outdoor Potted Plants – must be blooming or will be disqualified. Identify by listing names of plants on entry tag or card attached to container. Must be planted a minimum of 6 weeks in display container.

Container size is up to individual but entry must weigh under 20#. Must have and provide a saucer to catch drainage water.

G770-902 Arrangement Fresh Floral Design Bouquet- Display of flower and greenery must be from your own garden and arranged in an attractive way.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

EDUCATIONAL EXHIBITS

G770-050 Flower Notebook (Scoresheet: SF 100) Exhibit a notebook containing pictures of flowers grown in Nebraska. There must be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. 4-H'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 will be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the notebook.

G770-051 Flower Garden Promotion Poster (Scoresheet: SF 103) Individual poster promoting flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. as long as they are not 3-dimensional. Posters using copyrighted material such as the cartoon "Garfield" will not be accepted. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address and county must be on the back of the poster.

G770-052 Educational Flower Garden Poster (Scoresheet: SF 104) Prepare a poster 14" x 22" x 2" 3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned about in a 4-H flowers or houseplant project. One might show a special technique used or equipment incorporated in the garden. Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the flower project(s) must be on the back of the poster.

G770-053 Flower Gardening History Interview (Scoresheet: SF 105) Neatly handwritten or typed account of a gardening history interview whose flower garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their flower garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, full address, and county 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 Houseplants: The choice of container and soil quality will be considered in judging. Each houseplant must be identified by listing the names on the entry tag or on a card attached to the container. Houseplants should be grown in the display container for a minimum of six weeks. NebGuide G2205 "Guide to Growing Houseplants" (<http://extensionpublications.unl.edu/assets/html/g2205/build/g2205.htm>) and Neb Guide G837 "Guide to Selecting Houseplants" (<http://extensionpublications.unl.edu/assets/html/g837/build/g837.htm>) includes a listing of common 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 4-H member. Container grown houseplants shall be in pots no greater than 12" in diameter (inside opening measurement). Dish gardens, fairy or miniature gardens, desert gardens and terrariums may be up to 12" in diameter (inside opening measurement). Any container grown plant in Classes 60-66 that is greater than 12" in diameter (inside opening measurement) will be dropped one ribbon placing. Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H members name, age, full address, county must be on the bottom or back of the container.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

Scoresheet: SF 107

G770-060 Flowering Potted Houseplant(s) that are blooming for exhibition. Non-blooming plants will be disqualified.

G770-061 Foliage Potted Houseplant(s) of all the same variety.

G770-062 Hanging Basket of flowering and/or foliage houseplants.

G770-063 Dish Garden - an open/shallow container featuring a variety of houseplants excluding cacti and succulents.

G770-064 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 bathtub, etc.
G770-065 Desert Garden - an open/shallow container featuring cacti and/or succulents grown as houseplants.
G770-066 Terrarium - a transparent container, partially or completely enclosed; sealed or unsealed.
G770-905 Lawn or Garden Accessory or Outdoor Planters.

VEGETABLES, HERBS & FRUITS & EDUCATIONAL EXHIBITS



(Scoresheet: SF 108)

Youth must be enrolled in the **Everyone a Gardener** project and/or **Gardening Unit 1 – Unit 4** and/or Special Garden Project an exhibitor may enter a maximum of FOUR (4) entries per person in classes 201-294. Exhibits are limited to ONE EXHIBIT PER EXHIBIT CLASS NUMBER. Entries must be the work of the 4-H member. Notebooks and posters must have received a purple ribbon at the county fair to advance to the State Fair. Garden entries must be made up according to 4-H 226 “Selecting and Preparing Vegetables, Herbs, and Fruits for Exhibit.” All exhibits must be from the current year’s garden project. Produce will be exhibited on paper plates provided by the Fair. No canned or dried vegetables or herbs (with the exception of dry beans) will be accepted.

The cultivar OR variety name must be included on entry card. Failure to identify the cultivar or variety will drop the entry one ribbon placing. Proper identification is the responsibility of the exhibitor, not the Extension staff or office personnel. Exhibits entered under an incorrect class number or containing an incorrect number of vegetables will be dropped one ribbon placing. In classes 252, 255, 268, 269, 285 and 286 do not duplicate entries with the classes listed by using other cultivars or varieties or entry will be dropped one ribbon placing. For example: 4-H’ers with two cultivars or varieties of red tomatoes can only enter the red tomatoes class and cannot enter the other cultivar or variety in any other vegetable class.

Follow the guidelines in “Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit” 4H226 (revised June 2013) (Free Download <http://4h.unl.edu/4hcurriculum/preparingvegetabeshersandfruit>) when preparing entries for the fair. At State Fair, plates will be provided for the exhibitor.

PREMIUMS	Purple	Blue	Red	White
Classes 201-286	\$4.00	\$3.00	\$2.50	\$2.00

VEGETABLES

Vegetable, #'s to Exhibit

- G773-201 Lima Beans, 12**
- G773-202 Snap Beans, 12**
- G773-203 Wax Beans, 12**
- G773-204 Beets, 5**
- G773-205 Broccoli, 2**
- G773-206 Brussels Sprouts, 12**
- G773-207 Green Cabbage, 2**
- G773-208 Red Cabbage, 2**
- G773-209 Carrots, 5**
- G773-210 Cauliflower, 2**
- G773-211 Slicing Cucumbers, 2**
- G773-212 Pickling Cucumbers, 5**
- G773-213 Eggplant, 2**
- G773-214 Kohlrabi, 5**
- G773-215 Muskmelon/Cantaloupe, 2**
- G773-216 Okra, 5**
- G773-217 Yellow Onions, 5**
- G773-218 Red Onions, 5**
- G773-219 White Onions, 5**
- G773-220 Parsnips, 5**
- G773-221 Bell Peppers, 5**
- G773-222 Sweet (Non-Bell) Peppers, 5**
- G773-223 Jalapeño Peppers, 5**
- G773-224 Hot (Non-Jalapeno) Peppers, 5**
- G773-225 White Potatoes, 5**
- G773-226 Red Potatoes, 5**
- G773-227 Russet Potatoes, 5**

G773-228 Other Potatoes, 5
G773-229 Pumpkin, 2
G773-230 Miniature Pumpkins (Jack Be Little Type), 5
G773-231 Radish, 5
G773-232 Rhubarb, 5
G773-233 Rutabaga, 2
G773-234 Green Summer Squash, 2
G773-235 Yellow Summer Squash, 2
G773-236 White Summer Squash, 2
G773-237 Acorn Squash, 2
G773-238 Butternut Squash, 2
G773-239 Buttercup Squash, 2
G773-240 Other Winter Squash, 2
G773-241 Sweet Corn (in husks), 5
G773-242 Swiss Chard, 5
G773-243 Red Tomatoes (2" or more in diameter), 5
G773-244 Roma or Sauce-type Tomatoes, 5
G773-245 Salad Tomatoes (under 2" diameter), 12
G773-246 Yellow Tomatoes (2" or more in diameter), 5
G773-247 Turnips, 5
G773-248 Watermelon, 2
G773-249 Dry Edible Beans, 1 pint
G773-250 Gourds, mixed types, 5
G773-251 Gourds, single variety, 5
G773-252 Any Other Vegetable, 2, 5 or 12 (do not duplicate entries in classes 201-250) that doesn't fit in any other class

G773-255 4-H Vegetable Garden Collection of five kinds of vegetables. Display Garden Collection in a box not more than 24" in any dimension. Boxes will not be returned at 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.

G773-256 4-H Cultivar Vegetable Collection Vegetables entered in the collection are 5 cultivars from a single exhibit; for example, 5 cultivars of all types of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24" in any dimension. Boxes will not be returned at 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).

G773-906 Largest Onion, 1
G773-907 Largest Squash, 1
G773-908 Painted Gourd, 1

HERBS (Scoresheet SF108)

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.

G773-260 Basil, 5
G773-261 Dill (dry), 5
G773-262 Garlic (bulbs), 5
G773-263 Mint, 5
G773-264 Oregano, 5
G773-265 Parsley, 5
G773-266 Sage, 5
G773-267 Thyme, 5
G773-268 Any Other Herb, 5 (do not duplicate entries in classes 260-267)

G773-269 4-H Herb Garden display of 5 different herbs. Displayed in a box or other holder not more than 18" in any dimension. Boxes will not be returned at 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 Scoresheet: (SF108)

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.

- G773-280 Strawberries** (everbearers), **1 pint**
- G773-281 Grapes**, **2 bunches**
- G773-282 Apples**, **5**
- G773-283 Pears**, **5**
- G773-284 Wild Plums**, **1 pint**
- G773-285 Other Small Fruit or Berries**, **1 pint**
- G773-286 Other Fruits OR Nuts**, **5**

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

Educational Exhibits

G773-290 Garden Promotion Poster (Scoresheet's 103) 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 they are not 3-dimensional. Posters using copyrighted material such as the "Peanuts" cartoon will not be accepted. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, and county must be on the back of the poster.

G773-291 Educational Vegetable or Herb Garden Poster (Scoresheet: SF 104) Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-H'er has done or learned about in a 4-H vegetable gardening project. One might show a special technique used or equipment incorporated in the garden (e.g., drip irrigation system, composting, or special techniques learned). Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, and years in the project(s) must be on the back of the poster.

G773-292 Vegetable and/or Herb Gardening History Interview (scoresheet: SF 105) Neatly handwritten or typed account of a gardening history interview of someone whose vegetable or herb garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, full address, and county must be on the back of the report cover.

G773-293 Vegetable Seed Display (scoresheet: SF 101) 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 4-H member's name, age, full address, 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.

G773-294 World of Vegetables Notebook (scoresheet: SF 102) Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g. Mexican, African, Chinese, Italian, etc.). Include a report telling about a minimum of 5 vegetables and/or herbs from each country chosen. Include the scientific and common names; pictures of the plants from your garden or seed catalogs; tell how they are grown; and how the foods are used. Also list a source for buying the seed or plants. Favorite recipes using some or all of the vegetables described may be included. Give proper credit by listing the source of pictures and information used. Protect in a clear report cover or 3-ring notebook. The 4-H member's name, age, full address, county, and years in the garden project must be on the back of the report cover or notebook.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

SPECIAL HORTICULTURE PROJECT

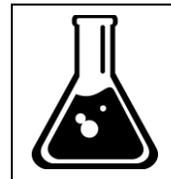
G775-001 Special Garden Project Educational Exhibit Educational exhibit based on what was learned from the project. Present information on a poster 14" X 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, full address, and county must be on the back of the poster or report cover. Score Sheet SF109.

G775-002. 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 a fresh cut flower. Score Sheet SF106. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. Score Sheet SF 108.

PREMIUM	Purple	Blue	Red	White
\$6.00	\$5.00	\$4.50	\$4.00	

**DEPARTMENT H
SCIENCE, ENGINEERING
& TECHNOLOGY**

Superintendent, Sue McDonald



Science Engineering Technology (SET) Careers

H930-001. Careers Interview (SF239) Interview someone who is working in any field associated with science, engineer and technology and research that career (i.e. computer programmer, architect, engineer, pilot, etc.). Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12-point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

Rules

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)
4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
6. Demonstration boards should include an overall title for the display, plus other necessary labeling.
7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.
9. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

Aerospace

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

Rockets must be supported substantially to protect the rocket from breakage. Rockets are to be mounted on a base that has dimensions equal or less than 12" x 12" and the base should be 3/4" thick. No metal bases. If the rocket fins extend beyond the edges of the required base (12" x 12"), then construct a base that is large enough to protect the fins. The base size is dictated by the size of the rocket fins. The rockets must be mounted vertically. Please do not attach sideboards or backdrops to the displays. In addition, a used engine or length of dowel pin is to be glued and/or screwed into the board and extended up into the rockets engine mount to give added stability. 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 skill level), 2) a flight record for each launching (weather, distance, flight height), 3) number of launchings, 4) flight pictures 5) Safety (how did you

choose your launch site? Document safe launch, preparations, and precautions)6 objectives learned and 7) conclusions. 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 at the State Fair. Judging is based upon display appearance, rocket appearance, workmanship, design or capabilities for flight, number of times launched and report. Three launches are required to earn the maximum launch points given on the score sheets. For scoring for the State Fair, only actual launches count, misfires will not count towards one of the required three launches.

For self-designed rockets only, please include digital recorded copy of one flight. In the documentation please include a description of stability testing before the rocket was flown.

Skill level of project is not determined by number of years in project. Skill level is determined by the level listed on the manufacturing packaging.

4-H Rocket project levels are not intended to correspond to National Association of Rocketry model rocket difficulty ratings or levels.

High power rockets (HPR) is similar to model rocketry with differences that include the propulsion power and weight increase of the model. They use motors in ranges over “G” power and/or weigh more than laws and regulations allow for unrestricted model rockets. These rockets are NOT appropriate for 4-H projects and will be disqualified.

FLIGHT CREW – UNIT 1

H850-901 Single Stage Rocket up to 15” in length.

H850-902 Display: Display exemplifying one of the principles learned in Flight Crew. Examples include: diagram of rocket or jet, interview with firefighter, pilot or air traffic controller, design for an airport, model space station.

H850-903 Trebuchet – mini-catapult

WATER ROCKETS

H850-904 Rocket: Any water rocket made with a 2-liter plastic bottle.

H850-905 Display: Display exemplifying one of the principles learned in the Water Rocket Project. Examples include: Display of rocket parts and purpose, interview of someone in the aerospace field, picture board and description of building and/or launching a water rocket, story of building and/or launching a water rocket. Display can be any size and any material can be used.

PREMIUM	Purple	Blue	Red	White
	\$6.00	\$5.00	\$4.50	\$4.00

LIFTOFF – UNIT 2

H850-001 Rocket: Any Skill Level 2 rocket with wooden fins painted by hand or air brush (Scoresheet: SF92)

H850-002 Display: Display exemplifying one of the principles learned in the Lift Off project. Examples include: display of rocket parts and purpose, 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”. (Scoresheet: SF93)

H850-003 Rocket: Any Skill Level 2 Rocket with wooden fins painted using commercial application. Example – commercial spray paint (Scoresheet: SF92)

REACHING NEW HEIGHTS – UNIT 3

H850-004 Rocket: Any skill level 3 rocket with wooden fins painted by hand or air brush (Scoresheet: SF92)

H850-005 Display: Display exemplifying one of the principles learned in the Reaching New Heights Project. Examples include: airplane instrumentation, kite flying, or radio-controlled planes. Display can be any size up to 28” by 22”. Include notebook containing terminology (definition), and what was learned. (Scoresheet: SF93)

H850-006 Rocket: Any Skill Level 3 Rocket with wooden fins painted using commercial application. Example – commercial spray paint. (Scoresheet: SF92)

PILOT IN COMMAND – UNIT 4

H850-007 Rocket: Any skill level 4 rocket with wooden fins or any self-designed rocket Scoresheet: SF92

H850-008 Display: Display exemplifying one of the principles learned in the Pilot in Command Project. Examples include: flying lessons, or careers in aerospace. Display can be any size up to 28” by 22”. (Scoresheet: SF93)

DRONES- UNIT 5

H850009-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 needed to operate drones, and the laws and regulations users must follow. Posters can be any size up to 28” by 22”. Formatted: Font : (Default) Times New Roman, 13.5pt, Bold, Complex Script Font: Times New Roman,13.5pt Formatted: Line spacing: single

COMPUTERS



Rules

1. The name of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
3. Demonstration boards should include an overall title for the display, plus other necessary labeling.
4. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
5. 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.
6. Premier 4-H Science Award is available in this area. Please see General Rules for more details.
7. Please refer to the General Rules for the policy regarding firearms, items with a blade, and other related Items.
8. Team entries: To qualify for entry at the NE State Fair team materials entered in H860009- Digital Fabrication is clearly the work of a team instead of an individual must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all the team members receiving the same ribbon placing.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

COMPUTER MYSTERIES – UNIT 1

H860-902 4-H Promotional Flier – Exhibit should be created on 8 ½ x 11” page using a commercially available software package. Flier can be color or black & white. Fliers can be a whole page or a folded flier. Put exhibit in protective cover.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

COMPUTER MYSTERIES – UNIT 2

H860-001 Computer Application Poster -Exhibit designed to educate yourself and others on the use of computer application/program or techniques of internet/social media safety. Examples of the computer application/program could include but are not limited to: how to download digital photos from a camera and create a usable way of storing and accessing them in the future; details of how to use instant messaging programs like Skype; or how to create a social networking page (ex. “Facebook,” “SnapChat,” “Instagram,” “Twitter,” “FaceTime,” etc). Examples of internet/social media safety include but not limited to identity theft, predator safety, internet etiquette, social networking pages precautions, etc. Posters can be any size up to 28” by 22”.

H860-002 Produce a Computer Slideshow Presentation (SF277) Using presentation software. Files must be saved in a PC compatible format with county name and last name of participant before emailing to County Extension Staff. A notebook with a printout of all the slides should be submitted. Slideshow should include a minimum of 10 slides and no more than 25. Incorporate appropriate slide layouts, graphics, animations and audio (music or voice and transition sounds do not count). Each slide should include notes for a presenter. All slideshows must be up loaded.

PREMIUM	Purple	Blue	Red	White
	\$8.00	\$7.00	\$6.00	\$5.00

COMPUTER MYSTERIES - UNIT 3

H860-004 Produce an Audio/Video Computer Presentation (SF276) Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth. 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. The presentation must be able to be played and viewed on a PC using Windows Media Player, Real Player, iTunes or QuickTime Player.

H860-005 How to STEM (Science, Technology, Engineering and Math) Presentation (SF276) Youth design a fully automated 2 to 5 minute 4-H “how to” video. Submissions should incorporate a picture or video of the 4-Her, as well as their name (first name only), age (as of January 1 of the current year), years in 4-H, and their personal interests or hobbies. Videos should be designed for web viewing. Any of the following formats will be accepted: .mpeg, .rm, .wmv, .mp4, .ov, .ppt, or .avi.

H860-006 Create a Web Site/Blog or App– Design a Web Site/Blog or App for providing information about a topic related to youth using either software programs such as an HTML editor like Microsoft’s FrontPage or Macromedia’s Dreamweaver, and image editor like IrfanView or GIMP OR online using a WIKI such as Google Sites. If the Web site isn’t live including all files comprising the Web site on a CD-ROM in a plastic case along with the explanation of why the site was created. If developed using a WIKI or other online tool include a link to the website in the explanation of why the site was created. Scoresheet: SF275

H860-007 3D PRINTING Unique Items: 3D printing uses plastic or other materials to build a 3-dimensional (3D) object for a digital design. 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:

- a. Define motivation/problem solved
- b. Software used
- c. Document purpose of material and print settings
- d. Material choice (PLA, PVS, ABS, etc.)
- e. In-fill density
- f. Moving parts

H860008. 3D Pen Creation (SF...): 3D pens rapidly melt and cool plastic filament allowing the 4-Her to draw in 3D. Youth may use original designs or use a template to create their 3D item. Exhibits will be judged based on the complexity of the design and shape. 3D pen creation will include a notebook with the following:

- a) Copy of the template if used and description of any changes the youth created.
- b) If no template used – an explanation of how the creation was built.
- c) Must include paragraph of what the youth learned while creating their project (i.e. way to improve their next creation)
- d) Paragraph on how 3D pens impact Science Engineering and Technology

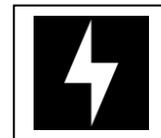
H860009–Digital Fabrication–This project is a computer generated projected created using a laser cutter, vinyl cutter, heat press or CNC router. Vector or 3D based software such as coreldraw or Fusion 360 would be an example of an appropriate software used to create your finished project. Project should 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 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

ELECTRICITY

Rules

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2. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)



4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
6. Demonstration boards should include an overall title for the display, plus other necessary labeling.
7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.
9. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

MAGIC OF ELECTRICITY – UNIT 1

H870-901 Unit 1 Control the Flow: Make a switch. Use the following items: D cell battery, battery holder, insulated wire, 1 or 2 - flash light bulb(s), bulb holder, paper clip, cardboard, and two brass paper fasteners to create a circuit that you can open and close. Label your circuit board parts and explain the complete circuit process.

H870-902 Unit 1 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 insulators or conductors. Create a table that illustrates your results.

H870-903 Demonstration Board This exhibit is to be prepared on a board that is 1/4" thick x 24" high x 32" wide. Include two graphics and four items made or studied in the Unit I Magic of Electricity project. The graphic may show what electricity is, how a battery works, 10 electricity safety rules, the results of the home lighting survey, etc. The four items may include a simple fuse, simple switch, circuit board, cut away flashlight, electra-plated object, conductors-nonconductors, etc. Be sure to include the appropriate labeling.

H870-904 Quiz Board or Steady Hand Tester Game will be judged on usefulness, craftsmanship and wiring skill. Include battery or power supply to operate exhibit. Questions on the quiz board could deal with any topic.

PREMIUM	Purple	Blue	Red	White
	\$6.00	\$5.00	\$4.50	\$4.00

INVESTIGATING ELECTRICITY – UNIT 2

H870-905 Rocket Launcher: Construct a rocket launcher out of the following materials: a plastic pencil box that is at least 4 inches by 8 inches, 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 inches long, 1/8 inch 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 inch and 1/4 inch 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 of the launcher. Create a poster using photographs to show the "step by step process" you used to build your launcher.

H870-906 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" by 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.

H870-907 Modified Toy Motors Electric motors entered with changes made by the 4-Hers to improve design and operation. Any motors entered with design changes must also include a story telling what changes were made and the results. Enclose story in a clear plastic cover. NO premanufactured kit electric motors will be accepted.

H870-908 Electric Motor Converted to DC or AC Generator Exhibit is to consist of the toy electric motor shown in Unit II, converted to use as a DC or AC generator. Generator should be exhibited on a base including a battery and a light bulb or Galvanoscope to demonstrate its operation. Title the exhibit and label the major parts.

H870-909 Switching Circuits: Build a three-way switch. Use the following items: D cell battery, battery holder, insulated wire, 2 -7.5-volt light bulb, bulb holder, 2 paper clips, cardboard and 4 brass paper fasteners to build a three-way switch circuit. Label your circuit board parts and explain the process.

	PREMIUM	Purple	Blue	Red	White
CLASSES 4 & 8		\$4.00	\$3.00	\$2.50	\$2.00
CLASSES 1-3 & 5-7 & 10		\$8.00	\$7.00	\$6.00	\$5.00

WIRED FOR POWER – UNIT 3

H870-001 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.

Scoresheet: SF224

H870-002 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.

H870-003 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. (Do not bring a lamp shade)

Scoresheet: SF226

H870-004 Poster should exemplify one of the lessons learned in the Wired for Power Project. Posters can be any size up to 28" by 22". Scoresheet: SF227

ELECTRONICS – UNIT 4

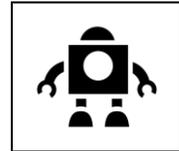
H870-005 Electrical/Electronic Part Identification Display different parts used for electrical/electronic work. Exhibit should show the part (either picture or actual item) and give a brief description, including symbol of each part and its function. Display should include a minimum of 10 different parts. SF228

H870-006 Electronic Display Show an application of one of the concepts learned in the Electronics project. Examples include: components of an electronic device. SF229

H870-007 Electronic Project Exhibit an electronic item designed by the 4-Her or from a manufactured kit that shows the electronic expertise of the 4-Her. Examples include: a radio, a computer, or a volt meter. SF230

H870-008 Poster should exemplify one of the lessons learned in the Entering Electronics Project. Posters can be any size up to 28" by 22". SF231

ROBOTICS



Rules

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2. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)
4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
6. Demonstration boards should include an overall title for the display, plus other necessary labeling.
7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.
9. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

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.

Team Entries: To qualify for entry at the Nebraska State Fair team materials entered in robotics classes that are clearly the work of a team instead of an individual must have at least 50% of all team members enrolled in 4-H. Additionally,

all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing. Creating a video of your robot in action would be helpful for the judges but is not mandatory present as a CD Rom with your robot entry

PREMIUM	Purple	Blue	Red	White
Classes1	\$4.00	\$3.00	\$2.50	\$2.00
Classes 2-7 & 901	\$8.00	\$7.00	\$6.00	\$5.00

ROBOTICS

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

H861-001 Robotics Poster – Create a poster (14” X 22”) communicating a robotics theme such as “Robot or Not”, “Pseudocode”, “Real World Robots”, “Careers in Robots”, “Autonomous Robotics”, “Precision Agriculture” or a robotic topic of interest to the 4-H’er. Scoresheet: SF236

H861-002 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 a programming challenge, programming skill, calibration, sensor exploration, or any of the topics suggested in Class 1. Scoresheet: SF237

H861-003 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. Scoresheet: SF238

H861-004 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 (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12-point font, and 1” margins. Multimedia reports should be between 3 to 5 minutes in length. Scoresheet: SF239

H861-005 Robotics - Sensor Notebook – Write pseudo code which includes at least one sensor activity. Include the code written and explain the code function. Scoresheet: SF241

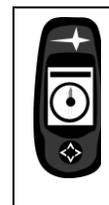
H861-006 Build a Robot (may use kit) – Include a robot and notebook including the pseudocodes for at least one program you have written for the robot, the robots purpose, and any challenges or changes you would make in the robot design or programming. If robot is more than 15” inches wide and 20” inches 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. Scoresheet: SF243

H861-007 Kit Labeled Robot (cannot be programmed) – 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 project the youth has constructed, a description of what it does and an explanation of how it is similar to and different from a robot. 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. Scoresheet: SF243

Geospatial

Rules

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)
4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
6. Demonstration boards should include an overall title for the display, plus other necessary labeling.



7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.
9. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

PREMIUM	Purple	Blue	Red	White
Classes 1 & 2	\$4.00	\$3.00	\$2.50	\$2.00
Classes 3-10	\$5.00	\$4.00	\$3.50	\$3.00

GEOSPATIAL

Youth enrolled in Geospatial (Exploring Spaces, Going Places CD) or GEAR TECH 21 (manual only on-line) may exhibit in any class within this division.

H880-001 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", "GIS in Agriculture", "Precision Agriculture" or a geospatial topic of interest. Scoresheet: SF 299

H880-002 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". Scoresheet: SF272

H880-003 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. Scoresheet: SF300

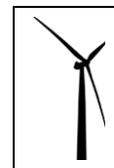
H880-004 Geocache Assemble a themed geocache. Each geocache should be a water-tight container. It should include a log book and pencil for finders to log their visits and may include small trinket, geocoins, etc. for the finders to trade. Documentation should include a title, teaser description and the geographic coordinates of intended placement. Register the site at geocaching.com, and include a print-out of its registry. The entry may include a photograph of the cache in its intended hiding place. SF301

H880-005 Agriculture Precision Mapping (SF302) 4-Hers will assemble a notebook that will include a minimum of 2 digital copies of various data layers that can be used in precision agriculture to identify spatial patterns and/or correlations (printed copies of websites were applications can be purchased is acceptable) A report of how the analysis of the various data will be used to make a management decision. Scoresheet: SF302

H880-007 4-H History Map Preserve 4-H History: Nominate a Point of Interest for the 4-H History Map Project 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. To nominate a site for the 4-H history map please go to <http://arcg.is/1bvGogV> For more information about 4-H history go to http://www.4-hhistorypreservation.com/History_Map/ For a step by step video on nominating a point, please go to this link: <http://tinyurl.com/nominate4h>. Write a brief description of historical significance of 4-H place or person. (a minimum of one paragraph)

H880-008 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 "x 11"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 map.

Alternative/ Renewable Energies



Rules

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2. Each individual is limited to one exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)
4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
6. Demonstration boards should include an overall title for the display, plus other necessary labeling.
7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.
9. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

H900-001. Create and Compare Energy Resources Poster (SF...) – 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."

H900-002. Experiment Notebook (SF...) – 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.

H900-003. Solar as Energy Display (SF....) - 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.

H900-004. Water as Energy Display (SF....) - 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.

H900-005. Wind as Energy Display (SF308) – Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of wind.

H900-006. Other Nebraska Alternative Energy (SF..) –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.

Resources:

<https://4-h.org/parents/national-youth-science-day/wired-for-wind/>

<https://4-h.org/parents/national-youth-science-day/biofuel-blast/>

<http://web.cals.uidaho.edu/biodiesel/4-h-curriculum-for-ages-8-12/>

<http://extension.oregonstate.edu/clackamas/energy-education-curriculum-lessons>

WOOD SCIENCE



Rules

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
2. Each individual is limited to one woodworking exhibit per class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)

4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
6. Demonstration boards should include an overall title for the display, plus other necessary labeling.
7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.
9. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

The ability to build objects as designed by another person is an important life skill. Professional woodworkers often are hired to build objects to exacting specifications as laid out in a written plan. 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 Unit 4 for the exhibit to be considered for 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. Only one exhibit allowed per 4-Her per class. 4-Hers must be in Unit 3 or Unit 4 for the exhibit to be considered for State Fair.

WOOD SCIENCE

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

MEASURING UP – UNIT 1

H911-901 Articles Made with Hand Tools. Select from Unit I (new manual or use comparable plans from other sources)

H911-902 Woodworking Display: Display exemplifying one of the principles learned in the Measuring Up Project. Examples include: tools, safety, wood types, glues, sanding tips, finishing methods.

MAKING THE CUT – UNIT 2

H-911-903 Article as shown in Woodworking Unit 2 Manual or comparable items using power hand tools, electric jig saw, power drill, and/or oscillating sander.

H911-904 Woodworking Display: Display exemplifying one of the principles learned in the Making the cut Project. Examples include: tools, safety, wood types, cutting on the angle, finishing methods.

PREMIUM	Purple	Blue	Red	White
	\$8.00	\$7.00	\$6.00	\$5.00

NAILING IT TOGETHER – UNIT 3

H911-001 Woodworking Article: SF91- Item should be made using either joints, hinges, dowels, or a dado joining made using skills learned in the Nailing It Together manual. Item is required to be appropriately finished. Examples include: bookcase, coffee table or end table.

H911-002 Woodworking Display: SF91- Display exemplifying one of the principles learned in the Nailing It Together Project. Examples include: measuring angles, wood lamination and joint types.

H911-003 Recycled Woodworking Display SF91– Article made from recycled, reclaimed or composite wood. Article must be appropriately finished **and/or sealed** and utilize one or more woodworking techniques from page 2 of the Unit 3 manual. Exhibit must include the woodworking plan and a minimum one-page report of how the engineering design process was used to develop the woodworking plan. Engineering Design Process

1. State the problem (Why did you need this item?)
2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?) _
3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?)
4. Build the item (What was your woodworking plan, and what processes did you use to build your item?)
5. Reason for article finish (What type of finish, how did you finish or why you choose this finish?)
6. Evaluate (How does your item solve the original need?)

7. Present results (How would you do this better next time?)

PREMIUM	Purple	Blue	Red	White
	\$10.00	\$8.50	\$7.00	\$5.50

FINISHING UP – UNIT 4

H911-004 Woodworking Article: scoresheet: SF91- Item made using skills learned in the Finishing It Up Project. Examples include: dovetailing, making a pen using lathe, overlays, using a router, etc. Item is required to be appropriately finished.

H911-005 Woodworking Display: scoresheet: SF91- Display exemplifying one of the principles learned in the Finishing It Up Project. Examples include: career opportunities, types of finishes, or dovetailing.

H911-006 Recycled Woodworking Display scoresheet: SF91– Article made from recycled, reclaimed or composite wood. Article must be appropriately finished **and/or sealed** and utilize one or more woodworking techniques from page 2 of the Unit 4 manual. Exhibit must include the woodworking plan and a minimum one-page report of how the design and engineering process was used to develop the woodworking plan.

1. State the problem (Why did you need this item?)
2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?)
3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?)
4. Reason for article finish (What type of finish, how did you finish or why you choose this finish?)
5. Build the item (What was your woodworking plan, and what processes did you use to build your item?)
6. Evaluate (How does your item solve the original need?)
7. Present results (How would you do this better next time?)

WELDING

Rules

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
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3. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24 inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)
4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
5. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
6. Demonstration boards should include an overall title for the display, plus other necessary labeling.
7. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
8. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations. Results: What you learned. All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.
9. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

(All metal welding processes 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. If no plans are included with welding article or welding furniture, item will be disqualified.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

ARCS AND SPARKS

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 on 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.
 - o Stick welding: Suggested coupon thickness - 1/4" if using 1/8" rod. Suggested rod-AC and DC straight or reverse polarity- first E-7014, second E-6013
 - o MIG welding: Suggested coupon thickness - 1/4" if using .035 wire and 1/8" if using .023 wire
 - o Oxy-Acetylene: Suggested coupon thickness - 1/8". Suggested rod- 1/8" mild steel rod

4-H Welding Project Tips and Suggestions: Class 2

1. It is suggested that all welds be on same size and thickness of metal. These pieces are referred to as coupons. The welds can be on one coupon that is about 4" x 4" or on individual coupons that are about 2" x 4" inch and 1/4" thick. Suggested rods for this class of position welds for AC and DC straight or reverse polarity is, first E-6013, second E-7014 and E-6010 for DC reverse polarity only.
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.

4-H Welding Project Tips and Suggestions: Class 3 & 4

1. All welds should be cleaned and protected from rust with paint or light oil. Plans are to be complete enough that if they were given to a welding shop, the item could be made without further instructions. Bill of materials should include a cost for all items used including steel, electrodes, paint, wheels, etc.

PREMIUM	Purple	Blue	Red	White
	\$10.00	\$8.50	\$7.00	\$5.50

H920-001 Welding Joints (scoresheet: SF281) a display of one butt, one lap and one fillet weld.

H920-002 Position welds (Scoresheet: SF281) a display showing three beads welded in the vertical down, horizontal and overhead positions.

H920-003 Welding article (scoresheet: SF281) any shop article where welding is used in the construction. 60% of item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. All plans, plan alternations, 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 because project may be displayed outside.

H920-004 Welding furniture (scoresheet: SF282) any furniture with 75% welding is used in the construction. 60% of item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. All plans, plan alternations, dimensions 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 because project may be displayed outside

H920-005. Plasma Cutter/Welder Design (SF...) Plasma cutters/welders allowed for detailed design(s) to butt cut into metal. 4Hers will create a notebook describing the design process to create the "artwork" to butt cut into the metal. This exhibit is not eligible for entry at the State Fair.

In the notebook include:

- a) A photo (front and back) of the finished project. Also include detailed photographs of the project to allow judges to examine cuts.
- b) Instructions on how the design was created, this allows for replication of the project
- c) Lessons learned or improvements to the project

H920-901 Welded Article

“4-WHEELIN PHYSICS FUN”

This is a project using remote control cars to test physics (not a 4-wheeler used for transportation).



PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

4-WHEELIN’ PHYSICS FUN

H895-901 Poster. Poster should exemplify one of the lessons learned in the 4-Wheelin’ project. Posters can be any size up to 28” by 22”.

H895-902 Completed 4 Wheeling’ Project Book.

H895-903 Poster Exhibit with six photos demonstrating the experiments in the 4-Wheelin’ 4-H manual on pages 8 to 25.

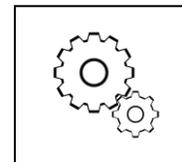
H895-904 Tool Box – put together using guidelines from the 4 Wheelin’ manual. Include a description of the kit’s purpose and a list of individual contents.

H895-905 4-H Wheelin’ Vehicle – The vehicle needs to be mounted on a base that is equal to or less than 12” x 12” and the base should be ¾” thick. Please make your vehicle stable. Please do not attach sideboards or backdrops to the display. A report, protected with a clear, plastic cover, needs to be included with the following information: 1) vehicle specification, 2) results of driving, pulling and climbing tests, 3) track diagram, 4) pictures.

H895-906 Track or Course Design Drawing – Scale drawing to actual track or course design. Indicate the direction the course is used with arrows. Display on a 14” x 22” poster.

SMALL ENGINES

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00



SMALL ENGINES

CRANK IT UP – UNIT 1

H890-903 Small Engine Display/Item: Show an application of one of the concepts learned in the Unit 1 project. Examples include: identify the parts of a small engine, safety rules for starting a small engine, small engine repair tool identification.

H890-904 Automotive Models - to be exhibited by an individual only. Exhibit should show some part or system of an automobile. Include a brief description of how the part or system functions. Prepare the display on a board 24” high x 32” wide, not over 1/4” thick.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

WARM IT UP – UNIT 2

H890-901 Small Engine Display/Item: Show an application of one of the concepts learned in the Warm It Up project. Examples include: comparison of engine oil types, transmissions, or safety related to engines. Exhibit could be a poster display, or an actual item.

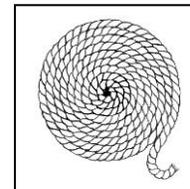
PREMIUM	Purple	Blue	Red	White
	\$6.00	\$5.00	\$4.50	\$4.00

TUNE IT UP – UNIT 3

H891-902 Engine Display/Item: Display/Item should exemplify one of the lessons learned in the Tune It Up project. Examples include: diagnostic tools, fuel systems, ignition systems. If a complete engine is exhibited, it will not be started. However, display needs to report process of building/rebuilding engine and how/where engine will be utilized (i.e. lawn mower, weed eater, snow blower, etc.)

ROPE

Rope exhibits must be mounted on 1/4” plywood or equivalent. The board should measure 24” high by 32” wide. All items on demo-boards must be made according to instructions found in the 4-H “Rope and its uses” Manual. Mount the knots in the same position as shown in the 4-H Rope Manual. Either manila or synthetic rope may be used. When halters are exhibited, the tie rope, plus a required second piece of rope must show any three of the following items: 1) end whipping, 2) eye splice, 3) crown splice, 4) rosebud knot, 5) Matthew Walker knot, or 6) diamond knot.



<i>PREMIUM</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	\$5.00	\$4.00	\$3.50	\$3.00

ROPE

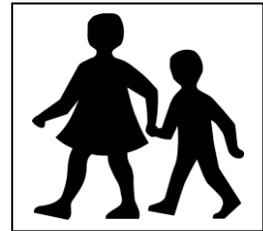
H950-901 Single Loop or Double Loop Halter-Sheep and Goats (use 3/8" rope)

H950-902 Single Loop or Double Loop Halter-Cattle and Horses (use 5/8" or 3/4" rope)

H950-903 Display of at least 10 or not more than 12 knots, hitches and splices (include two splices) made of 3/8" rope. Include appropriate board title and item labels. The ends of all ropes must be whipped.

CLOVER KIDS

Superintendent: Angie Wall



CLOVER KIDS

Clover Kids is a 4-H program for children ages 5-to 7- years old. Children participate in hands-on activities designed to build many different life skills

All Clover Kid projects will receive a participation ribbon; therefore, they are not eligible for state fair selection, premiums or awards.

Clover Kids are encouraged to read the guidelines below and to use them when preparing their items for fair.

Guidelines:

Entries should be of the youth's best quality –pick your best to exhibit at the fair.

Items should show creativity and originality—be creative.

Items should be ready for display in the home: flower pots cleaned off, fabric clean, pictures framed, wall hangings and pictures need hooks or hangers.

We strongly encourage Clover Kids to enter their own exhibits. It is great if an adult is also there to help them, but learning to enter their items and talk to the Superintendent is a great skill to learn. No entry will be refused if the child is not present.

Bring your entries to the 4-H Building, at the Hamilton County Fairgrounds, on Wednesday night, July 26, 2017 between 4 - 9 p.m.

Animal Science

Exploring Animals & Companion Animals

NOTE: The Clover Kid is responsible for caring for the animal(s) and cleaning the pen(s) of the animals that they bring or borrow during the fair. Stall deposits apply.

Z567-901 Livestock Class – beef, sheep, dairy, goat or swine. The Clover Kid will be allowed to show one (1) of the above livestock in each species. The animal should be age, size and temperament appropriate for the exhibitor's age and size. The livestock should be no more than six months and no more than 350 pounds at the time of the show.

Z567-902 Poultry

Z597-903 Rabbits

Z567-904 Companion Animals – Clover Kids can show cats, dogs and pocket pets at the Companion Animal show at the fair.

Z567-905 Story or Poster about a Fair animal

Z567-906 Youth may enter a poster, story or collage about themselves, which includes their family heritage.

Citizenship & Civic Education

Family Celebrations from Around the World

Z567-907 Mexican Piñata, Japanese Ohina Doll, Carp Kite, Mother's Day &/or Father's Day card, Rakhi Bracelet, German First Day Cone, Hindu Diwali Lamp, Kwanza Love Gift. (Youth may enter 3 items from this list.)

Z567-908 Youth may enter a poster, story or collage about themselves, which includes their family heritage.

Z567-909 Youth may enter a poster, story or photo story about a community service project or activity or the item made to give away in that activity.

Communication & Expressive Arts

Z567-912 County Speech Contest (original speech or a reading of a short story or poem.)

Z567-913 County Presentations Contest "Show & Tell"

Photography

- Z567-910** Favorite 4 x 6 snap shot, must be matted or framed with the ability to be hung for display.
Z567-911 Photo Story, a collection of photographs that tell the story. Can have a heading but no captions. Public Speaking
Z567-914 Youth may enter a story or poster about any topic relating to 4-H.

Consumer & Family Science

Home Environment

A Space for Me (youth may enter up to 3 items from Z567-15 TO Z567-20)

- Z567-915** Treasure Board
Z567-916 Storage Box or Container
Z567-917 Decorated Laundry Bag or Hamper
Z567-918 Draft Stopper
Z567-919 Painted Picture or Picture Frame
Z567-920 Scratch Art
Z567-921 Wall Hanging
Z567-922 Beyond the Needle – decorate an item of clothing (simple techniques). Youth are invited to model this item in the Fun Parade.
Z567-924 Youth or doll size no-sew fleece tie blanket

Healthy Lifestyles

Safety, Bicycle Adventures

- Z567-926** Bicycle Poster
Z567-928 Basic First Aid Kit (small container: Band-Aids, salve or ointment, gauze, tape, small safety scissors, note with emergency names and phone numbers.)

Foods & Nutrition

Making Food for Me (youth may enter up to 3 items from Z567-30 TO Z267-33)

- Z567-930** Making Food for Me Placemat - colored and/or decorated. Laminate or protect with clear contact paper. (Center page in Save a Place for Me project book)
Z567-931 Food Cards - Neatly cut and colored Food Cards, in self-sealing plastic bag or other secure container. (Pages 67-69 Leaders Guide)
Z567-932 Grain Collage - Neatly cut and pasted pictures of grains cut out and displayed on a collage (Page 40 Leaders Guide)
Z567-933 Dairy Tasting Party - Complete Dairy Tasting Party form from Project Book (Page 17) May be copied or cut from manual.
Z567-934 Protein Collage - Neatly cut and pasted pictures of protein sources and foods (Page 53 of Leaders Guide).
Z567-935 Healthy Snack – 4 cookies, bars, muffins, etc., on a paper plate or at least one cup of homemade snack mix in self-sealing plastic bag (examples might include: snack mix made from a cereal base, no-bake or simple cookie or granola bar).
Z567-936 No Bake Cookies (4 on a plate, covered)

Plant Science

Horticulture: Gardening – See Them Sprout

- Z567-937** Vegetables - The Clover Kid may enter up to three different plates of vegetables found in G773 listed previously in the fair book.

World of Flowers

- Z567-938** Flowers - The Clover Kid may enter up to three different kinds of flowers in vases found in G-770 listed previously in the fair book.
Z567-939 Potted plant (flowering or non-flowering) must include drain tray.
Z567-940 Poster about vegetables, flowers &/or plants and what the youth learned.

Environmental Education & Outdoor Discovery

Just Outside the Door - Only one entry per class number.

- Z567-941** Bird Feeders - any homemade bird feeder using recycled product.
Z567-942 Water Pictures - On 8 ½" X 11" paper show what you have learned about water (any medium)
Z567-943 Growing Seed - A growing seed you planted - can be planted in any small container
Z567-944 Insect Life Mobile - directions on page 20 of the leader manual
Z567-945 Insect Model - create your very own insect using legs, one pair of antenna and three body sections.
Z567-946 Seed Medallion - use a 4-inch circle of cardboard and any kind of seeds to make medallion - use string, yarn or other material to make a loop
Z567-947 Sailboats - use any type of medium to create a small sailboat that can really float

- Z567-948** Treasure Hunt collage - on an 11"x14" poster board, make a collage of items you collected outdoors
Z567-949 Diorama of fish, birds, insects or animal
Z567-950 Story or poster about insects

Outdoor Skills

Learning Science in the Outdoors - Only one entry per class number.

- Z567-951** Use items from a nature hike to design a picture.
Z567-952 Nature Bracelet
Z567-953 Frog Call
Z567-954 Scent Painting
Z567-955 Wildlife Plate/Food Wheel
Z567-966 Bird OR Squirrel Feeder

Science & Technology

Aerospace: Pre-Flight - Only one entry per class number.

- Z567-956** Rocket Drawing - On 8 1/2" X 11" paper draw a rocket. Label the three main parts.
Z567-957 Plane Drawing - On 8 1/2" X 11" paper draw your favorite plane
Z567-958 Paper Flyers - Make your favorite kind of paper flyer (airplane, helicopter, rocket or any other flying machine)
Z567-959 Marshmallow Rocket - Exhibit rocket with parts labeled. For instructions, see manual, page 4.

Exploring the Treasures of 4-H & Career Exploration

- Z567-970** Project Collage (Can color & use pictures on page 35 of Exploring the Treasures of 4-H manual.)
Z567-960 Treasure Box – decorated shoe box or other small storage box decorated in which to store your treasures.
Z567-961 Story or poster on an interview youth conducted with someone in a career they admire.
Z567-962 Can you think of how to turn your 4-H project into a job? Youth may enter a story or poster about turning their 4-H experience into a job.

Other Entries

- Z567-963** Item made at Clover Kid Camp or Workshop
Z567-964 Item made at Clover Kid Camp or Workshop
Z567-965 Item made at Clover Kid Camp or Workshop
Z567-971 Appropriate item made at home or in a club meeting
Z567-967 Appropriate item made at home or in a club meeting
Z567-968 Appropriate item made at home or in a club meeting
Z567-969 From Trash to Treasure – Rethink, Reuse, Recycle a common object or material in a creative way.

Special County Only Projects

N|150 Stepping Stone Showcase

C257-901 Stepping Stone

of Entries: Limit of 1

Premium: Purple \$5.00; Blue \$4.75; Red \$4.25; White \$3.75

General Information: February 15, 2019 marked 150 years since the day the state of Nebraska chartered the University of Nebraska. This means that on February 15, 1869, the University of Nebraska became part of the fabric of our state. That's 150 years of history to appreciate, impact to unpack, and stories to tell. 4-H members are invited to show their creativity and University of Nebraska pride by creating a stepping stone that represents the N|150 milestone. One stepping stone from each county will be chosen to be displayed at the Nebraska State Fair in the Raising Nebraska Landscape Area.

► Stepping stones may be made out of any materials. Keep in mind that fairgoers may step on the stones while on display, therefore, they should be durable. ► Stepping stones should be 8 inches by 8-inch squares. ► Design: N|150 themed or In Our Grit, Our Glory themed. ► Each county will select one for display at Raising Nebraska. It will not be eligible to be judged in any other class at State Fair.

Your Choice! Design Your Own!

of Entries: Limit of 1 entry per class

Premium: Purple \$3.00; Blue \$2.75; Red \$2.25; White \$1.75

Classes:

H951-901 All Original Entry

H951-902 Entry Made from a Kit

H951-903 Product from 4-H After-School Program

H951-904 Product from 4-H Camp or Workshop

General Information: Have you come up with an innovative idea or created a unique project that doesn't fit into a class in a traditional project? It's your choice what you'd like to create and enter! ► All hang-able exhibits must have a secure wire hanger attached. ► Lego exhibits: please place in a shoe box lid (or other 2 inch lipped box to protect during judging and display). ► Securely fasten entry tag to the exhibit. ► No food items.