



2025 CENTRAL SANDHILLS AREA FAIRBOOK

- **DUE June 15th, 2025**

- 4-H Membership Enrollment on [4-H ONLINE](#)
- YQCA certification

- **DUE JULY 1st, 2025**

- County Fair Entries
- Livestock and Horse ID's

- **DUE AUGUST 1st, 2025**

- Horse Advancement Levels due to the office. If your show is before August 1st, they are due the day of the show.

Table of Contents

4-H County Fair Dates 2025	5
CENTRAL SANDHILLS AREA EXTENSION OFFICE STAFF	6
4-H COUNTY COUNCILS.....	7
Participant/Parent Code of Conduct.....	8
GENERAL CLASS RULES.....	9
GRANT COUNTY AUCTION RULES- Hooker County will follow these as well.	11
DEPARTMENT A - LEADERSHIP & CITIZENSHIP	12
CITIZENSHIP.....	12
SEEING i2i.....	13
HERITAGE	14
DEPARTMENT B - COMMUNICATION & EXPRESSIVE ARTS.....	16
MUSIC.....	16
PHOTOGRAPHY	16
PERFORMING ARTS	20
4-H PRESENTATIONS CONTEST	20
DIGITAL VIDEO/4-H FILMFEST	21
PUBLIC SPEAKING.....	22
DEPARTMENT C - CONSUMER & FAMILY SCIENCE	23
HUMAN DEVELOPMENT	23
CLOTHING	26
STEAM CLOTHING 1	26
BEGINNING SEWING EXHIBIT	27
GENERAL CLOTHING	27
BEYOND THE NEEDLE	28
STEAM CLOTHING 2	29
FIBER ARTS - KNITTING AND CROCHET	31
QUILT QUEST.....	34
CONSUMER MANAGEMENT	37
MY FINANCIAL FUTURE.....	38
FASHION SHOW - FASHION REVUE	39
HOME DESIGN AND RESTORATION	42
LEATHER CRAFTING.....	43

DESIGN DECISIONS.....	43
HEIRLOOM TREASURES/FAMILY KEEPSAKES	45
VISUAL ARTS.....	46
DEPARTMENT D - ENVIRONMENTAL EDUCATION/EARTH SCIENCE	48
CONSERVATION & WILDLIFE.....	48
SHOOTING SPORTS	53
RANGE MANAGEMENT	55
FORESTRY/TREE IDENTIFICATION	57
DEPARTMENT E - HEALTHY LIFESTYLES.....	63
NUTRITION, FOODS, AND FOOD PRESERVATION	63
FOODS AND NUTRITION.....	64
COOKING 301	65
COOKING 401	66
COOKIE JAR DECORATING.....	67
CAKE DECORATING	67
FOOD PRESERVATION	68
FAVORITE FOODS	72
4-H CULINARY CHALLENGE CONTEST	72
SAFETY.....	74
DEPARTMENT F - ENTREPRENEURSHIP.....	76
ESI: ENTREPRENEURSHIP INVESTIGATION.....	76
DEPARTMENT G - PLANT SCIENCE	78
HORTICULTURE	78
VEGETABLES, HERBS & FRUITS.....	82
AGRONOMY (Crops and Range).....	86
WEED SCIENCE	88
DEPARTMENT H – HORSE	90
DEPARTMENT I – LIVESTOCK	94
BEEF DIVISION.....	96
SHEEP	97
SWINE.....	98
GOAT	98
DAIRY CATTLE.....	99

OTHER LARGE ANIMAL PETS	99
DEPARTMENT J –SMALL ANIMAL.....	100
POULTRY	100
MARKET RABBIT	101
PET SHOW – COMPANION ANIMALS	102
DOG.....	104
DEPARTMENT K – SCIENCE AND TECHNOLOGY	107
ENTOMOLOGY.....	107
VETERINARY SCIENCE.....	109
SCIENCE, ENGINEERING & TECHNOLOGY	111
AEROSPACE/ROCKETS AND DRONES	113
MODELS	113
COMPUTERS.....	113
ROBOTICS.....	116
GPS (Geospatial)	117
ELECTRICITY.....	118
ALTERNATIVE/RENEWABLE ENERGIES.....	120
WELDING.....	122
DEPARTMENT Z - CLOVER KID MEMBERS	125

4-H County Fair Dates 2025- **All times are subject to change.**

Thomas County Fair (CT)

- July 21st - Small Animal Show 8:00 AM
- July 21st - Style Revue Judging 1:00 PM
- July 22nd - Horse Show @ 9:00 AM
- July 23rd - Livestock Show @ 9:00 AM
- July 24th - Static Entries @ 9:00 AM

Blaine County Fair (CT)

- July 22nd - Horse Show w/TC
- July 29th - Static Entries and Style Revue Judging
- July 31st - Livestock Show
- July 31st - Small Animal Show

Hooker County Fair (MT)

- July 28th - Small Animal @ 8:00 AM
- July 28th - Style Revue Judging @ 1:00 PM
- July 29th - Horse Show @ 8:00 AM
- July 31st - Static Entries @ 8:00 AM
- August 2nd - Livestock Show @ 8:00 AM

Grant County Fair (MT)

- July 30th - Style Revue Judging @ 2:30 PM
- August 6th - Horse Show @ 8:30 AM
- August 7th - Small Animal @ 9:00 AM
- August 8th - Static Entries @ 9:00 AM
- August 9th - Livestock Show @ 8:30 AM; Auction at 1:30 PM

Check the Nebraska Extension in the Central Sandhills Facebook page or call the office at 308-645-2267 for the most up to date information on fair schedules/changes. **All times are subject to change.** facebook.com/centralsandhillsarea

Welcome 4-H members, parents, leaders, and friends to participation at the County Fair! To youth, fairs mean exchanging friendships and new adventures, families working together, and recognition and evaluation feedback of individual and team efforts.

All 4-H exhibits at the County Fair are products of members' participation in 4-H programming. We invite you to visit the 4-H exhibits and participate in programs.

CENTRAL SANDHILLS AREA EXTENSION OFFICE STAFF

SHANIYA ALBERTUS, 4-H/YOUTH EXTENSION ASSISTANT, s.albertus@unl.edu

T.L. MEYER, BEEF EXTENSION EDUCATOR, tl.meyer@unl.edu

Terri Thomas, OFFICE MANAGER, tthomas39@unl.edu

CENTRAL SANDHILLS AREA EXTENSION OFFICE

P.O. BOX 148

THEDFORD, NE 69166-0148

(308) 645-2267

Fax: (308) 645-2288

centralsandhills.unl.edu

STATE 4-H OFFICE

UNIVERSITY OF NEBRASKA-LINCOLN

114 AG HALL

LINCOLN, NE 68583-0700

(402)472-9009

NEBRASKA EXTENSION ENGAGEMENT ZONE 2 COORDINATOR

JAY JENKINS

Cody, NE 69211

(402)-389-1168

4-H COUNTY COUNCILS

BLAINE COUNTY 4-H COUNCIL President: Amy Schneidereit Secretary: Jamie Rooney Treasurer: Michelle Milleson Members: Zeta Greene
GRANT COUNTY 4-H COUNCIL President: Jenna Adam Vice President: Jackie Tucker Secretary: Staci Adams Treasurer: Allison Ferguson
HOOKER COUNTY 4-H COUNCIL President: Kelsey Phillips Vice President: Matt Brown Treasurer: Brooke McIntosh Members: Anthoney Deibler
THOMAS COUNTY 4-H COUNCIL President: Joni Warren Vice President: Lezley Koubek Secretary/Treasurer: Jacey Sutton Members: Melissa Smith

THANK YOU TO THE NUMEROUS 4-H LEADERS AND VOLUNTEERS THAT MAKE 4-H POSSIBLE!

4-H PLEDGE

I pledge my HEAD to clearer thinking,
My HEART to greater loyalty,
My HANDS to larger service,
and my HEALTH to better living,
for my club, my community, my country, and my world.

Participant/Parent Code of Conduct-

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

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

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

1. Be asked to explain actions to the 4-H Educator.
2. Be dismissed from an event at own expense.
3. Further disciplinary action determined in cooperation with the local Extension Educator, the District 4-H Coordinator, the State 4-H Program Administrator, and as warranted, the Dean of Extension and IANR Administration. Disciplinary action may include:
 - becoming ineligible to participate in specific 4-H activities,
 - becoming ineligible to participate in the Nebraska 4-H program.
4. Reimburse the proper entity for any property damage or for liability resulting from inappropriate actions. In the case of vandalism, guilty party may be required to reimburse 4-H and/or the facility.

Multiple violations of the code of conduct may result in:

- Suspension for a period of time,
- Becoming ineligible for 4-H participation in their county.

Parent/Guardian violations may also result in:

- Restriction from contacting 4-H families, volunteers, donors, and/or sponsors pertaining to any 4-H matter.

GENERAL CLASS RULES

The following Rules apply to **all divisions**. Rules which apply specifically to a particular division will be listed under Rules for that division.

1. **EXHIBIT REQUIREMENTS – 4-H members must be enrolled in 4-H by June 15** to be eligible to exhibit at any Nebraska county fair or the Nebraska State Fair. All 4-H exhibits must meet requirements as set forth in the official County Fair premium list. Those exhibits not meeting the requirements will automatically be lowered ONE RIBBON PLACING. This includes exhibits made for any sewing projects that are not brought to be judged on Clothing/Style Revue judging day. Items entered as FFA, or 4-H projects must have been completed as a 4-H or FFA project and not used as a project for any other organization. 4-H projects completed in school (i.e., sewn garments made in Home Economics classes) are eligible for exhibit at County Fair, provided the 4-H'er has enrolled in the appropriate 4-H project by the current year's enrollment deadline.
2. **COUNTY FAIR ENTRY DAY DEADLINE AND EXHIBIT RELEASE** – One youth per entry form. **Fair entry forms, Livestock ID's, and Horse IDs are due July 1.** Any entries submitted late between July 1- July 5 will constitute in a \$10 late fee due by July 5. Entries will NOT be accepted after July 5, and member will not be eligible to exhibit at the county fair. All counties request that you do not remove exhibits from the exhibit halls until the official release. **4-H Enrollment and YQCA Certification are due on June 15.**
3. **NUMBER OF ENTRIES** - Only two (2) entries per class per exhibitor unless otherwise indicated. One entry per class if it is an item that will be up for auction. (Ex: cookie jar, animals, foods.)
4. **4-H MEMBER MUST BE ENROLLED IN PROJECT TO EXHIBIT.**
5. **4-H AGE REQUIREMENTS** - 4-H members must be between 8 and 18 years of age on January 1 of the current year (this is their 4-H age). The Clover Kid program is a non-competitive, pre-4-H program for kids 5-7 years 4-H age (their age as of January 1 of the current year). Age divisions for all the Central Sandhills Area County Fairs and Pre-Fair Contests will apply as follows:

PROJECT AREA	JUNIOR	INTERMEDIATE	SENIOR
LIVESTOCK, HORSE, PUBLIC SPEAKING	8-10	11-13	14 & Older
4-H CAREER PORTFOLIO, COMPANION ANIMAL (except Dog*), LIVESTOCK JUDGING, POULTRY, PRESENTATIONS, SHOOTING SPORTS	8-11	12-13	14 & Older
Events subject to Junior/Senior Division based on number of entries	8-12		13 & Over
*Dog Classes are broken down by the Advancement Levels in Obedience Classes.			

6. **JUDGING OF EXHIBITS** - Exhibits will be judged according to their merit and receive appropriate color ribbons. Purple denotes a superior exhibit. Blue denotes an excellent exhibit, and red denotes a good exhibit. White denotes an exhibit that needs improvement or did not meet qualifications. Incomplete exhibits will be lowered one ribbon placing. If the 4-Her cannot be present for the interview judging, their exhibit(s) will be lowered one ribbon placing and ineligible for state. In interview judging, the judge and 4-H'er talk about the exhibit as it is being evaluated. Knowing "why" they receive the ribbon they do, greatly increases their learning experience. Interview judging is used at all our County Fairs. **CHAMPION AND RESERVE CHAMPION COUNTY AWARDS WILL BE AWARDED OR NOT AWARDED AT THE DISCRETION OF THE JUDGES AND EVENT SUPERINTENDENT.**

7. **PREMIUMS** - Premiums will be paid on all exhibits unless indicated RIBBON ONLY. PREMIUMS WILL BE PRORATED IF THEY EXCEED TOTAL MONEY AVAILABLE.
8. **CLASS NUMBERS FOLLOWED BY "L" ARE COUNTY FAIR EXHIBITS ONLY AND ARE NOT ELIGIBLE FOR STATE FAIR EXHIBITION.**
9. **DRESS CODE** – See departments rules for dress code.
10. **SUBSTITUTE SHOWMAN** - A substitute showman will be allowed in certain emergencies or if an exhibitor has two (2) animals in one (1) class. The substitute showman must be a 4-H member in the county involved.
11. **PROTEST & GRIEVANCE COMMITTEE** - All protests must be in writing, signed and submitted to the Central Sandhills Area Extension office. The written protest must include names of persons involved; nature of concern; situation and documentation; recommendations for correction; specific action, rule, etc., in question; additional persons committee may contact for further clarification; procedures and/or steps carried out by person involved prior to submission of the protest to the 4-H Council. The Joint 4-H Council grievance committee will review the written protest. They may discuss the situation with affected persons and show officials. Recommendations will be developed, followed, and communicated both verbally and in writing to the group or individual affected. 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. The exhibitor may be excluded from the show if action warrants, and awards/premiums may be withheld. **Protests related to judges' integrity, decisions, placing, or other evaluations will not be accepted.**
12. Situations not covered by the County 4-H Rules will be governed by the State 4-H Rules and Policy Handbook found at <https://4h.unl.edu/policy-handbook>.
13. **DISCLAIMER OF RESPONSIBILITY FOR EXHIBITS AT FAIR** - "4-H exhibits at County Fair are entered and displayed at the risk of the 4-H member. The 4-H Councils, in cooperation with the County Ag Societies, accepts exhibits and will exercise due care to protect them. However, the 4-H Councils and the Fair Boards/Ag Societies cannot accept responsibility for loss or damage due to the conditions imposed by crowds, the arrangement of the buildings in which displays are housed and the 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 Fair, everyone will be held personally responsible for any injury.
14. **SUBSTANCE ABUSE** - Use or possession of alcoholic beverages or drugs (except for medical purposes) by any exhibitor who is participating in 4-H at the Fair will result in immediate disqualification of that exhibitor's entry.
15. **DISQUALIFICATIONS/JUDGING** - The superintendent, judge and extension staff will determine eligibility/ineligibility of an exhibit entry in their division. All eligible items will be judged and displayed. Ineligible items will not be judged and will not be displayed.
16. **GRAND OR RESERVE CHAMPION:** To be eligible for grand or reserve champion, an exhibitor must receive a purple or blue ribbon.
17. Clover Kids are not eligible to exhibit in the Horse or Shooting Sports project per NE State 4-H Rules and Policy.
18. **ELIGIBILITY REQUIREMENTS FOR STATE FAIR EXHIBITORS** – An exhibitor must be a 4-H member enrolled in the project they are exhibiting in the county which he/she represents. In classes where presence of the 4-H'er is required for judging purposes, such as animal exhibits, judging contests, presentations, and fashion revue, a 4-H member must be 8 by January 1 of the current

year. The last year of eligibility is the calendar year the member becomes 19. For classes where presence of the 4-H'er is not required, the exhibitor must be 8 years of age during the current year; therefore, they must be 8 as of January 1. State Fair information can be found at 4h.unl.edu/fairbook/general/rules. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

GRANT COUNTY AUCTION RULES- Hooker County will follow these as well.

Livestock Sale-

Exhibitors MUST attend the livestock committee meeting in order to sell and participate in the livestock auction.

Exhibitors will be able to sell 1 market beef, 1 market swine, 1 market goat, 1 market lamb, 1 lot (3) market broilers.

Market livestock must meet the following MINIMUM weight requirements to be eligible for sale. No maximum weight requirements.

- Market Steer: 1,000 lbs.
- Market Heifer: 900 lbs.
- Market Swine: 200 lbs.
- Market Goat: 50 lbs.
- Market Lamb: 100 lbs.
- Market Broiler Lot: 4 lbs. each

Livestock failing to meet the weight requirement may show but *will be ineligible for championship awards and the livestock sale.*

***All livestock selling in the sale must have a butcher date booked by the exhibitor.*

Cookie Jar/Baked Goods Sale

Exhibitors will be able to sell 1 decorated cookie jar *with interview*, **OR** 1 decorated baked good *with interview* (cake, cupcakes, or cookies).

All livestock/baked items sold in the auction will be assessed a commission fee of 3%.

Youth must be present to show livestock/baked items at Auction, or it will not be auctioned. If there is a conflict, a written appeal may be considered.

Checks will be mailed out to all 4-H members. Please be patient as the Grant County Auction Committee will issue checks after all buyer checks are received and 4-Hers have written a thank you to their buyer.

DEPARTMENT A - LEADERSHIP & CITIZENSHIP

CITIZENSHIP

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

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. All exhibitors are encouraged to show evidence of their personal field experiences, study or observations that relate to their exhibit. This helps the judges understand what the 4-H'er did and learned in the process that led to the exhibit.

References: All exhibitors should reference material sources or supporting information used in exhibits (i.e., if questions from a game were taken from an outside source, they must be referenced).

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

An explanation of projects and curriculum resources can be found at

<https://4h.unl.edu/resources/projects/>. **Entries:** Each exhibitor is limited to one item per class. Premier 4-H Science Award is available in this area. Please see General Rules for more details.

CLASSES

A120001 Care Package Display - This exhibit is a display about the PROCESS of creating and giving a care package, not the actual care package. You may use a poster, Power Point or another multi-media program to talk 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 package are Backpack for school supplies, litter pan for animal shelter items, suitcase for abuse shelter or homeless shelter, etc.

A120002 Citizenship Game which could include but isn't limited to symbol flash cards, question and answer board or stimulation with props. Clear instructions on how to play the game and what the game hopes to accomplish must be included.

A120003 Patriotic or Cultural Fine Arts can be made of any art media but should tie in the relevance of the artwork to citizenship.

A120004 Public Adventure Scrapbook should describe your Public Adventure or Service-Learning Activity. Scrapbooks must measure no more than 16" x 16".

- A120005 Public Adventure Poster** should describe your Public Adventure or Service-Learning Activity. Display posters must be stiff enough to stand when supported from behind and below. Length and width must be no more than 24" x 28".
- A120006 Written or Recorded Stakeholder Interview** should follow the outline found in the Public Adventures Curriculum. It may be written or recorded.
- A120007 Written Citizenship Essay** is designed to promote good citizenship and patriotism. This essay is open to all age groups. All essays should be 300 - 400 typewritten words.
- A120008 9th-12th Graders Only: Oral Citizenship Essay** addressing the theme "Freedom's Obligations" should be 3-5 minutes. No background music, singing or other enhancement allowed. All essays should be saved as a .wav or mp3 file; USB/thumb drive will be accepted. Voice tone should be normal and conversational. A copy of the written essay should be attached.
- A120009 Service Items** can include, but aren't limited to, lap quilt and homemade toys. Only non-perishable items will be accepted. Attached to the exhibit should be an explanation of who the recipient was and how the service project was made and used. The service item could be part of a larger community service effort.
- A120010 4-H Club Exhibit** should depict what a 4-H club has done in the area of community service. This item could include, but is not limited to, a service item, poster, scrapbook, and cultural or creative arts item or care package.

SEEING i2i

Discover your own family genealogy. Expand your cultural knowledge. Explore different cultures and ways of thinking.

CLASSES

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

HERITAGE

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

The purpose of the 4-H Heritage project is to acquire knowledge, develop a connection to the past and share the story of a 4-H member's heritage and history around them. An exhibit may include items, pictures, maps, charts, recordings/slides/tapes, drawings, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history. Exhibits entered at own risk. CSA Extension and the Nebraska State Fair 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. Pictures and other hanging items must have a wire hanger for display purposes. Display collections securely in an attractive container no larger than 22" x 28". Exhibits must include Name, County, and Past Experience (years in Explore Your Heritage Project, Family Folklore or Foodways projects) on back of exhibit. All entries must have documentation included.

An explanation of projects and curriculum resources can be found at

<https://4h.unl.edu/resources/projects/>. **LEVEL I CLASSES: Beginning (1-4 years in project)**

- A101001 Heritage Poster or Flat Exhibit.** Entries may be pictures, posters, items that depict family heritage. Exhibits must be supported by a written explanation.
- A101002 Family Genealogy/History Notebook** - Include pedigree charts/family group sheets with documentation for two-three generations of one family line, expanding each year.
- A101003 Local History Scrapbook/Notebook** that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- A101004 Framed Family Groupings** (or individuals) of pictures showing family history. Pictures must be supported by a written explanation.
- A101005 Other Exhibits** depicting the heritage of the member's family or community. Exhibit must be supported by a written explanation. May include biographical album of themselves or another family member, family cookbooks, etc.
- A101006 4-H History Scrapbook** A scrapbook relating 4-H history of local club or county. Must be work of individual 4-H'er - no club project. If multiple books are included in exhibit, only bring the book with most current year's work.
- A101007 4-H History Poster** relating 4-H history of local club or county or individual.
- A101008 Story or Illustration** about a historical event.
- A101009 Book Review** about local, Nebraska or regional history.
- A101010 Other Historical Exhibits** - Attach an explanation of historical importance.
- A101011 Family Traditions Book** - Exhibitor scrapbook depicting family traditions of the past.
- A101012 Family Traditions Exhibit** - Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.
- A101013 4-H Club/County Scrapbook** - Relating 4-H history of local club or county compiled by club historian.
- A101014 4-H Member Scrapbook** relating to individual 4-H members' 4-H history.

A101015 Special Events Scrapbook relating to a 4-H special event, such as 4-H Congress, CWF or a personal or family special event, such as a trip, family reunion, etc.

LEVEL II CLASSES: Advanced (over 4 years in project)

A102001 Heritage Poster or Flat Exhibit. - Entries may be pictures, posters, items, etc. that depict family heritage. Exhibits must be supported by a written explanation.

A102002 Family Genealogy/History Notebook - Include pedigree charts/family group sheets, with documentation beyond two-three generations of one family line, expanding each year.

A102003 Local History Scrapbook/Notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.

A102004 Framed Family Groupings (or individuals) of pictures showing family history. Pictures must be supported by a written explanation.

A102005 Other Exhibits depicting the heritage of the member's family or community. Exhibit must be supported by a written explanation. May include biographical album of themselves or another family member, family cookbooks, etc.

A102006 4-H History Scrapbook relating 4-H history of local club or county. Must be work of individual 4-H'er - no club project.

A102007 4-H History Poster relating 4-H history of local club or county or individual.

A102008 Story or Illustration about a historical event.

A102009 Book Review about local, Nebraska or regional history.

A102010 Other Historical Exhibits - attach an explanation of historical importance.

A101011 Family Traditions Book Exhibitor scrapbook depicting family traditions of the past.

A102012 Family Traditions Exhibit Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.

A102013 4-H Club/County Scrapbook relating 4-H history of local club or county compiled by club historian.

A102014 4-H Member Scrapbook relating to individual 4-H members' 4-H history.

A102015 Special Events Scrapbook relating to a 4-H special event, such as 4-H Congress, CWF or a personal or family special event, such as a trip, family reunion, etc.

DEPARTMENT B - COMMUNICATION & EXPRESSIVE ARTS

MUSIC-NOT ELIGIBLE FOR STATE FAIR

MUSIC AWARDS: Ribbons will be awarded to each performer. Premiums will be paid to 4-H Clubs for performances with more than 2 performers.

	Purple	Blue	Red	White
Clubs	\$25.00	\$20.00	\$15.00	\$10.00
Individuals	\$5.00	\$4.00	\$3.00	\$2.00

RULES

1. All 4-H'ers are responsible for providing their own music, musical instrument, and/or music stand.
2. If you are in duet or group with a Clover Kid (age 5-7) you are not eligible for top awards in the music contest.

CLASSES

B155007L Vocal Performances

B155009L Instrumental Performances

B155010L Dance Routine

B155011L Group Performances

B155012L Other Talents

PHOTOGRAPHY

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

RULES: 4-H'ers are allowed entries in only one level. Photos may be used in only one exhibit or class and must be taken by the 4-H'er. Photos must be shot during the current project year (except Portfolios, which may include images captured and/or exhibited in previous years). Date feature should be disabled when taking 4-H photos.

TAGS: Entry tags should be securely attached to the upper right-hand corner of picture displays. Exhibit Prints can scotch tape entry tags to the upper right-hand corner. When Sandwich backing is specified, this refers to the picture being placed between the mat and mat-board backing (like a sandwich) securely fastened together to hold picture in place with glue or double stick tape. Exhibit Prints should be brought and entered in a plastic bag for display purposes (most fit in 2-gallon bags).

Data Tags: Required on all photography exhibits. Tags are here, or at the Extension office. Attach data tags to the back of the photo or include as page one of your photo showcase.

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

1. Printed portfolios should be presented in an 8.5x11 three-ring binder or similar book format. Recommended photo size is 8x10. Matting is not necessary.
2. Digital portfolios may be presented online and must be exhibited along with a single 8.5x11 flyer. Flyers must include a link, URL, or QR code that takes users (judges and fairgoers) to their online portfolio.

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

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

Data tags available <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>

An explanation of projects and curriculum resources can be found at <https://4h.unl.edu/resources/projects/>.

FOCUS ON PHOTOGRAPHY: UNIT I –NOT ELIGIBLE FOR STATE FAIR

- A. Unit I Picture Displays:
 - To be mounted on horizontal 11" X 14" black (preferred) poster or white or matting-board.
 - Every photo on picture display must be pencil numbered (number 2 lead) below each photo (for judges' reference only). Numbers should be readable and not detract from display. No titles, captions, or stick-on numbers will be allowed. Photos must be mounted vertically or horizontally.
 - Personal Data Tags (parts A and B) are required.
- B. Unit I Photo Journal:
 - Choose project area 1, 2, 3, or 4 in 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. For your journal complete Part A only and include this as page one of your journal.

CLASSES

- B180001L FUN WITH SHADOWS:** Entry will capture interesting or creative shadows. (Activity 4)
- B180002L GET IN CLOSE DISPLAY OR PRINT:** Entry will capture an up-close view of the subject or object. (Activity 8)
- B180003L BIRD'S OR BUG'S EYE VIEW DISPLAY OR PRINT:** Entry will consist of a photo from above (bird's eye) or below (bug's eye). (Activity 10)

- B180004L TRICKS AND MAGIC DISPLAY OR PRINT:** Entry will capture visual trickery or magic. Trick photography requires creative compositions of objects in space and are intended to trick the person viewing the photo. (Activity 11)
- B180005L PEOPLE, PLACES, OR PETS WITH PERSONALITY:** Photos should have a strong focal point of people, places, or pets capturing their personality or character. Photos may be posed or unposed. (Activity 13)
- B180006L BLACK AND WHITE DISPLAY OR PRINT:** Photos should create interest without the use of color. Photos should show strong contrast and/or textures. Photos may be captured in black and white or captured in color and edited to black and white. (Activity 15)
- B180007L CHALLENGING PHOTO EXHIBIT - TELLING A STORY DISPLAY:** Exhibit will include three photos which tell a story without words. Photos may show something being created, destroyed, consumed, moving, or growing. Photos should capture the beginning, middle, and end of a single story, project, or event. Display will consist of three 4x6 photos mounted on a single horizontal 11x14 black or white poster or mat board. Each photo in the display must be numbered using a pencil. Numbers should be readable but not distracting from the overall display. No titles, captions, or stick-on numbers are allowed. Photos may be mounted vertically or horizontally. Data tags are required for each photo in the display. (Activity 14)

CONTROLLING THE IMAGE: UNIT II GUIDELINES

Rules

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

CLASSES

- B181010 LEVEL 2 PORTFOLIO:** Level 2 portfolios should represent the photographer's best work and must include 5-7 different images from the 4-H member's photography career. At least 2 images must have been taken during the current year. The remaining images may have been taken at any time during the member's 4-H experience and may have been previously exhibited. Portfolios may include photos which are exhibited in other Level 2 classes during the same year. Portfolios must include: 1) 1-page max bio, 2) table of contents, 3) year each photo was taken, 4) title for each image, 5) device make and model used to capture each image, and 6) reflections for each image. When writing reflections, youth should focus on what new photography techniques they were practicing when they took the photo, what makes the image successful, and what could have been done to improve the image.
- B181020 CREATIVE TECHNIQUES & LIGHTING DISPLAY OR PRINT:** Photos should capture a creative use of lighting, such as diffused lighting, backlighting, or hard lighting, reflections, or another lighting technique covered in Book 2 Next Level Photography
- B181030 COMPOSITION DISPLAY OR EXHIBIT 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. (Controlling the Image, p. 34-53).

- B181040 ABSTRACT PHOTOGRAPHY DISPLAY OR PRINT:** Photos should be abstract or capture a small piece of a larger subject. Abstract photos may not look like anything in particular but should be able to capture a viewer's attention. (Activity 11)
- B181050 CANDID PHOTOGRAPHY DISPLAY OR PRINT:** Candid photos should capture a special moment or meaningful interaction. Photos should be un-posed. (Activity 10)
- B181060 EXPRESSION THROUGH COLOR DISPLAY OR PRINT:** Photos should capture a creative use of color or a color scheme, such as complimentary, contrasting, monochromatic, warm, cool, primary, secondary, or tertiary. (Activity 13)

MASTERING PHOTOGRAPHY: UNIT III GUIDELINES

Rules

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

CLASSES

- B182010 LEVEL 3 PORTFOLIO:** Level 3 portfolios should represent the photographer's best work. Level 3 portfolios must include 9-11 images from the 4-H member's photography career. At least 3 images should be from the current year. The remaining images may have been taken at any time during the member's 4-H experience and may have been previously exhibited. Portfolios may include photos which are exhibited in other Level 3 classes during the same year. Portfolios must include: 1) 1-page max bio, 2) table of contents, 3) year each photo was taken, 4) title for each image, 5) device make and model used to capture each image, and 6) reflections for each image. When writing reflections, youth should focus on what new photography techniques or skills they were practicing when they took the photo, what makes the image successful, and what could have been done to improve the image.
- B182020 ADVANCED TECHNIQUES & LIGHTING PRINT:** Photos should show an experimentation or exploration of advanced lighting, such as low-light or silhouette photography or another advanced photography technique, such as astrophotography, underwater photography, or infrared photography. (Activity 3, 4, 5, or 12)
- B182030 ADVANCED COMPOSITION PRINT:** Photos should show advanced compositions, such as using diagonal, horizontal, vertical lines or repeating shapes to frame a subject or lead the viewer's eye through a scene; breaking the rule of thirds to compose a discordant image; or another advanced composition technique covered in Book 3 Mastering Photography (Activity 6, 7)
- B182040 PORTRAIT PRINT:** A great portrait captures not only a person's physical image, but also something of the person's character or personality. Photos may be either formal or informal but must be of one or more human subjects. (Activity 9)
- B182050 STILL LIFE PRINT:** Photos should capture non-moving objects that have been arranged in an interesting way. Photos should demonstrate advanced control over lighting and composition. (Activity 8)

- B182060 FREEZE/BLUR THE MOMENT PRINT:** Photos should capture a subject in motion. Photographers should adjust shutter speed to either freeze or blur the movement. (Activity 11)

PERFORMING ARTS

THEATER ARTS- NOT ELIGIBLE FOR STATE FAIR

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

CLASSES

- B156001L Costume:** made or decorated by 4-H'er for use in a theater arts production. Costume could be for self or others.
- B156002L Portfolio:** a collection of photographs, sketches or other samples illustrating the theater art's learnings such as costume design, stage makeup, written scripts, set design or other related learnings.
- B156004L Script:** a script written by a 4-H'er for a play, musical, skit, puppet show or other type of theater arts production.
- B156006L Stage Set Photography Display:** a display of photos of a stage set that was designed and built by the 4-H'er. Include description of the photos.
- B156007L Acting Portfolio:** A collection of photographs of the 4-H'er acting in a play. Include a written description of the photo.

4-H PRESENTATIONS CONTEST

AWARDS	Purple	Blue	Red	White
Individual	\$5.00	\$4.00	\$3.00	\$2.00
Team	\$5.00	\$4.00	\$3.00	\$2.00

The 4-H Presentations Contest includes two types of presentations: Illustrated Presentations and Teaching (Trade Show Exhibit) Presentations.

An Illustrated 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/platform. Judge views the entire presentation and engages in a question-and-answer session following presentation.

A Teaching (Trade Show Exhibit) Presentation, given by one (1) individual or a team of two (2) individuals, 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.

Rules

1. Each participant is required to wear one of the following during their presentation: the 4-H chevron, the 4-H emblem, or a 4-H shirt.
2. Enrollment in the project area in which the participant is making a presentation is not required.

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

State Fair Eligibility

1. All participants must be 8 years old before January 1 of the current year.
2. Illustrated Presentation: all participants must have received a purple rating at a County 4-H Presentations contest.
3. Teaching (Trade Show Exhibit) Presentation: any 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.

CLASSES

B151113 Illustrated Presentations: An Illustrated Presentation 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. There is a time limit of 6-8 minutes for individuals, 8-10 minutes for teams.

B152001 Teaching Presentation (Trade Show Exhibit) 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.

DIGITAL VIDEO/4-H FILMFEST

AWARDS	Purple	Blue	Red	White
Individual	\$5.00	\$4.00	\$3.00	\$2.00
Team	\$5.00	\$4.00	\$3.00	\$2.00

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 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. 4-H FilmFest digital videos should engage the audience and teach them about something the 4-Her is learning about career and college readiness, community development, entrepreneurship, food supply confidence, healthy living, leadership development, and STEM. Enrollment in the project area in which the participant is making a presentation is not required.

The following digital videos may be entered in the 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).

CLASS

B153001 - 4-H FilmFest (Digital Video) Contest

PUBLIC SPEAKING

[Premier Communication Event | Nebraska 4-H | Nebraska](#)

DEPARTMENT C - CONSUMER & FAMILY SCIENCE

HUMAN DEVELOPMENT

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

The term Human Development includes childcare, 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: [go.unl.edu/babysitting - What It Takes To Be Your Teen Babysitter](http://go.unl.edu/babysitting-WhatItTakesToBeYourTeenBabysitter). In addition, another resource that will assist youth in understanding young children is the Nebraska Early Learning Guidelines:

www.education.ne.gov/oec/early-learning-guidelines/

GENERAL RULES

INFORMATION SHEETS - Each exhibit must include the required information placed with the entry tag.

Information sheets for classes 1- 6 should include:

1. Where did I get the idea for this exhibit?
2. What decisions did I make to make 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).

Exhibitors in the Human Development project area will be asked to focus on designing toys that meet the different needs of children. Categories are based on the Early Learning Guidelines in Nebraska which identify the important areas our children should grow and develop. Use the Nebraska Department of Education website (www.education.ne.gov/oec/early-learning-guidelines/) 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.

Scoring:

Data tag, can be found here: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. Curriculum- Building Better Babysitters Building Better Babysitters - Facilitator Guidebook (Digital) | Nebraska Extension | UNL Marketplace & Kids on the Grow (available from National 4-H) an explanation of projects and curriculum resources can be found at <https://4h.unl.edu/resources/projects/>.

4-H'ers taking I HAVE WHAT IT TAKES TO BE A BABYSITTER may enter: Toy, game, or activity made for a selected and identified age group. Each area is a different class. Information sheet required or exhibit will be dropped a ribbon placing for classes 1-6.

CLASSES

C200001 SOCIAL EMOTIONAL DEVELOPMENT

C200002 LANGUAGE and LITERACY DEVELOPMENT

C200003 SCIENCE

C200004 HEALTH and PHYSICAL DEVELOPMENT

C200005 MATH

C200006 CREATIVE ARTS

C200007 ACTIVITY WITH A YOUNGER CHILD - Poster or scrapbook showing 4-H'er working with a child aged 0 to 8 years. May show making something with the child, or childcare or child interactions. May include photos, captions, story, or essay. Size of exhibit is your choice. Other people may take photos so 4-H'er can be in the photos. 4-H'er must make scrapbook or poster. No information sheet needed for class 7.

C200008 BABYSITTING KIT - State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for. Purpose of the kit is for the 4-H'er to take with them when they babysit in someone else's home. Do not make kit for combination of ages or for your own family to use. 4-H'er must make one or more items in the kit, but purchased items are also allowed. A list of items in the kit is suggested to be included. Display in box or bag suitable for what it contains. Approximate size not larger than 12"x15"x10". All items in kit must be safe for child to handle. Most importantly the kit should serve a defined purpose, not just be a catch all for several items. Information sheet for Class C200008 should include:

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).

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

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

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

C200010 GROWING WITH OTHERS: Scrapbook or poster. Examples - How to decide if it's time you can be home alone and related activities. How responsibilities and privileges are related.

Friendships. Working with others. Understanding rules and boundaries. A family tree. A family rules chart. A family meal plan, with pictures of a special family meal. A home safety checklist. Being street smart (safety). A school scrapbook showing yourself and your school activities, memories, and special interests.

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

CLOTHING

AWARDS	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.00	\$1.00

GENERAL RULES

- A. **Entry Tags.** Every clothing exhibit must be described on the appropriate entry tag accompanying it (for example: dark blue wool skirt and jacket, red and white figured blouse). Entry tag placement: as you look at the garment place the entry tag on the right side of the garment and the hook of the hanger to the left. Tags can be found on our website at:
<https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>
- B. **Identification Labels.** Each item entered as a clothing, knitting or crochet exhibit must have a label attached stating: County, Exhibitor's name and age, project name and class in which garment is entered, and the number of years enrolled in the project exhibited. Wool entries must have the fiber content listed on the identification label. ***Attach a label on every component of the outfit using safety pins or by basting.*** Not responsible for unlabeled items.
- C. **Preparation of Exhibits.** Please bring all wearable exhibits on wire hangers or hangers with a swivel hook ONLY. All exhibits not suitable for hanging should be entered in a self-sealing plastic bag and hung on hangers with a swivel hook. Wool garments and garments with narrow straps hang better on other hangers, i.e., wood or notched plastic hangers. As you look at the garment, place the hook of the hanger to the left. Fasten skirts, shorts, and pants to skirt/pant hangers or safety pin on hanger. Each piece should be entered on its own hanger. ***If more than one hanger is used for an entry, fasten hangers belonging to one exhibit together with twist ties or rubber bands.***
- D. **STATE RULE-** A Design Data Card must be included with all Beyond the Needle Classes C221003-C221008 and STEAM 2 and 3 upcycled exhibits. The data card is available at:
<https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>
- E. If the data card is not included, the exhibit will be lowered one ribbon placing.
- F. **Removal of Entries (refers to entries selected to be exhibited at State Fair).** Entries may not be removed for use in any other State Fair activity including State Fair Fashion Show.
- G. **General.** Garments as listed may be made for self (4-H member) or another person. Garments will be displayed by county. 4-H'ers enrolled in clothing projects should continue their skill development. Once you have exhibited in a higher level, you are not eligible to exhibit in a lower level. (Example - Once you exhibit in STEAM Clothing 3, you are not eligible to exhibit in STEAM Clothing 2)
- H. **JUDGING - ALL ITEMS CONSTRUCTED IN KNITTING, CROCHETING, BEYOND THE NEEDLE, BEGINNING SEWING EXHIBITS, STEAM CLOTHING 1, 2, AND 3, PROJECTS MUST BE JUDGED AT THE COUNTY STYLE REVUE AND CONSTRUCTION JUDGING DAY OR THEY WILL BE DROPPED ONE RIBBON PLACING.**

Judge's evaluation for BEYOND THE NEEDLE is based on quality of workmanship, creativity, quality of design, and neatness of workmanship. Evaluation for Clothing Level 1, Clothing 2, and Clothing 3 is based on general appearance/design, quality of workmanship, and neatness. Evaluation for Tailoring is based on general appearance/design, quality of workmanship, neatness, and creating a completed outfit.

No parents will be allowed in with the 4-H'er during interview judging

STEAM CLOTHING 1 – FUNDamentals (Not eligible for State Fair)

Exhibits will be simple articles requiring minimal skills. Follow suggested skills in project manual. Youth 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. Printed youth materials available at <https://shop4-h.org/collections/quilting-and-sewing-curriculum>

BEGINNING SEWING EXHIBIT: Exhibits must be made from medium weight woven fabrics that will sew and press smoothly, flannel/fleece is acceptable. Solid color fabrics or those having an overall print are acceptable. NO PLAIDS, STRIPES, NAPPED OR JERSEY KNIT. Patterns should be simple without darts, set-in sleeves, and collars. Reglan and kimono sleeves are acceptable.

CLASSES

C220006L Pincushion

C220007L Pillowcase

C220008L Simple Pillow - No larger than 18" x 18"

C220009L Bag/Purse - No zippers or buttonholes

C220010L Simple Top

C220011L Simple Bottom – pajamas, pants, shorts, or skirt

C220012L Simple Dress

C220013L Other – Using skills learned in project manual.

C220014L 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 of it will be disqualified.

C220015L Upcycled Simple 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.

GENERAL CLOTHING: 4-H members in all skill levels may exhibit in this area

C220001 Clothing Portfolio-Complete at least four different samples/activities from Chapters 2, 3 OR 4 of the project manuals. The Portfolio should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. Portfolio should build upon itself each year (additional pages can be added each year but should be dated.) See pages 9-11 in STEAM Clothing 2: Simply Sewing project manual for portfolio formatting.

C220002 Textile Science Scrapbook-Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in STEAM Clothing 2: Simply Sewing project manual to identify fabric swatches. Completed textile cards should be placed in an 8 1/2 x 11, 3 ring binder. Include an appropriate cover. Textile Science Scrapbook should build upon itself each year (additional pages can be added each year but should be dated). See project manual for fabric suggestions.

C220003 Sewing for Profit-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".

BEYOND THE NEEDLE

4-H members must show their own original creativity. Printed youth materials: <https://shop4-h.org/collections/quilting-and-sewing-curriculum>. More information at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>

CLASSES

- C221001 Design Portfolio** – A portfolio consisting of at least three design samples or activities. Refer to the Beyond the Needle project manual for activity ideas. The Portfolio should be placed in an 8 1/2 x 11 inch, 3 ring binder. Include an appropriate cover. (Additional pages can be added each year but should be dated.) See pages 14-16 in the Beyond the Needle project manual for portfolio formatting.
- C221002 Color Wheel** – Create your own color wheel, complimentary color bar or color scheme using pages 27-39 in the project manual. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".
- C221003 Embellished Garment with Original Design (eligible for State Fair Fashion Show)** - Create a garment using techniques as defined in the project manual. Designs are the original idea of the 4-Her using the elements and principles of design to make an original statement. A Design Data Card must be included with this project. The data card is available at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. If additional information is not included, exhibit will be lowered one ribbon placing.
- C221004 Original Designed Fabric Yardage** - Fabric yardage is designed using techniques such as those found in the manual. Other embellishments may be added. Exhibit consists of at least one yard of finished fabric. The data card is available at <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. If additional information is not included, exhibit will be lowered one ribbon placing.
- C221005 Garment or Non clothing item, Constructed from Original Designed Fabric** (eligible for State Fair Fashion Show) - Fabric yardage is designed first, then an item is constructed from that fabric. Other embellishments may be added. The data card is available at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. If additional information is not included, exhibit will be lowered one ribbon placing.
- C221006 Textile Arts Garment or Accessory** (eligible for State Fair Fashion Show) - A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. The data card is available at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. If additional information is not included, exhibit will be lowered one ribbon placing.
- C221007 Fashion Accessory** - (Not eligible for State Fair Fashion Show) - (SF26) - An accessory designed and/or constructed using elements and principles of design; can be textile or non-textile based. Example: shoes, strung bracelet/necklace, wire wrapping, scarves, flip flops, design on tennis shoes, etc. A Design Data Card must be included with this project. The data card is available at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. If additional information is not included, exhibit will be lowered one ribbon placing.
- C221008 Wearable Technology Garment or Accessory** - (Garment is eligible for State Fair Fashion Show) - Technology is integrated into the garment or accessory in some way (For example: LEDs, charging capabilities, sensors, etc.) A Design Data Card must be included with this project. The data card is available at our

website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. If additional information is not included, exhibit will be lowered one ribbon placing.

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. Printed Youth Materials: <https://shop4-h.org/collections/quilting-and-sewing-curriculum>. Garments as listed below may be made from any woven or knit fabric appropriate to the garment's design and should demonstrate sewing skills beyond STEAM Clothing 1

CLASSES

- C222001 Design Basics, Understanding Design Principles** - 4-H members enrolled in STEAM Clothing 2 may enter an exhibit sharing a learning experience from pages 17-20 in the project manual. Include answers to questions found on page 20 of the manual. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".
- C222002 Pressing Matters**- 4-H Members enrolled in STEAM Clothing 2 may enter a ham or sleeve roll from pages 21-25 "A Pressing Matter" in the project manual. Exhibit should include answers to lesson questions that are most appropriate to include.
- C222003 Upcycled Garment** (Eligible for State Fair Fashion Show) Create a garment from used textile-based items. The original used item must be redesigned using skills learned in STEAM Clothing 2 (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A Design Data Card must be included with this project including a "before" picture no larger than 4.25" x 5.5". If additional information is not included, exhibit will be lowered one ribbon placing. A list of skills and the Design Data Card are available at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>.
- C222004 Upcycled Clothing Accessory** (Not eligible for State Fair Fashion Show)- A wearable accessory made from a used item. The original used item must be redesigned using skills learned in STEAM Clothing 2 (not just decorated) in some way to create a new wearable accessory. The finished garment must reflect at least one skill learned in this project. A Design Data Card must be included with this project including a "before" picture no larger than 4.25" x 5.5". If additional information is not included, exhibit will be lowered one ribbon placing. A list of skills and the Design Data Card are available at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>.
- C222005 Textile Clothing Accessory** (not eligible for State Fair Fashion Show) - Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 2. A list of skills by project is available at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>.t. Entry examples include hats, bags, scarves, gloves. No metal, plastic, paper or rubber base items allowed (i.e., barrettes, headbands, flip flops, duct tape, etc.)
- C222006 Top** (not eligible for State Fair Fashion Show)- (vest acceptable)
- C222007 Bottom** (pants or shorts) (NOT eligible for State Fair Fashion Show)
- C222008 Skirt** (NOT eligible for State Fair Fashion Show)
- C222009 Lined or Unlined Jacket** (NOT eligible for State Fair Fashion Show)
- C222010 Dress** (not formal wear, eligible for State Fair Fashion Show)

- C222011 Romper or Jumpsuit** (eligible for State Fair Fashion Show)
- C222012 Two-Piece Outfit** (eligible for State Fair Fashion Show)
- C222013 Alter Your Pattern-** (eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e., Dress, Romper or Jumpsuit, or Two-piece Outfit)-Garment constructed from a significantly altered pattern. Entry must include both the constructed garment and the altered pattern. Include information sheet that describes: 1) how the pattern was altered or changed, 2) why the changes were needed/wanted. Appropriate skills for altering/designing a pattern in STEAM 2 include: moving darts, merging two patterns together, altering a pattern for a woven or knit material, adding a lining)
- C222014 Garment Constructed from Sustainable or Unconventional [natural or synthetic] fibers** (eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e., Dress, Romper or Jumpsuit, or Two-piece Outfit) Fabric/Fibers used in this garment have to be manufactured/purchased, for example: bamboo, banana, corn husk, and recycled fibers. Garments constructed out of the unconventional items themselves should be exhibited under Beyond the Needle.

A list of skills by project is available at [https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/STEAM Clothing 3 - A STITCH FURTHER](https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/STEAM%20Clothing%203%20-%20A%20STITCH%20FURTHER): 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 Clothing2. Entry consists of complete constructed garments only. Wool entries must have the fiber content listed on the identification label.

CLASSES

- C223001 Upcycled Garment** (NOT eligible for State Fair Fashion Show) -Create a garment from used textile-based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A list of skills by project is available at our website A Design Data Card must be included with this project including a “before” picture no larger than 4.25” inches x 5.5” inches. The data card is available at: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>
- C223002 Upcycled Clothing Accessory** (NOT eligible for State Fair Fashion Show) -A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. . A list of skills by project is available at <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. A Design Data Card must be included with this project including a “before” picture no larger than 4.25” inches x 5.5” inches. The data card is available at.
- C223003 Textile Clothing Accessory** (NOT eligible for State Fair Fashion Show) -Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 3. Entry examples include hats, bags, scarves, gloves. No metal, plastic, paper or rubber base items allowed (i.e., barrettes, headbands, flip flops, duct tape, etc.)
- C223004 Dress or Formal** (Eligible for State Fair Fashion Show)
- C223005 Skirted Combination** (Eligible for State Fair Fashion Show)-skirt with shirt, vest or jacket OR jumper and shirt

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

FIBER ARTS - KNITTING AND CROCHET

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

Criteria for judging knitting and crocheting: design and color, neatness, knitting mechanics or crocheting mechanics, trimmings, and construction finishes.

KNITTING

KNITTED ITEM - Each crocheted exhibit must include the following information on the fiber arts data card with the entry tag or exhibit will be lowered one ribbon placing:

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

CLASSES

C225001L **Beginning Knitting** (may enter 4 items, NOT eligible for State Fair Fashion Show)

- C225001 Level 2 Knitted Clothing** (Garment eligible for State Fair Fashion Show) – Knitted item or garment using pattern stitches such as diamond, block, twist or seed/moss stitches. Basic stitches [including: Knit (K), Purl (P), Slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo)] to form patterns.
- C225002 Level 2 Knitted Home Design and Restoration 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.
- C225003 Arm or Finger Knitted Item** (Clothing or Home Environment Item)
- C225004 Loom Knitted Item** (Clothing or Home Environment Item)
- C225005 Level 3 Knitted Clothing** (Garment eligible for State Fair Fashion Show) –Knitted item or garment made from advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, tamerna, plait, germaine, feather and fan or knitting with one or more patterns such as Aran or Fair Isle. made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting.
- C225006 Level 3 Knitted Home Design and Restoration 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.
- C225007 Level 3 Machine Knitting**

CROCHET

CROCHETED ITEM - Any item may be entered by those enrolled in the crochet project. Each knitted exhibit must include the following information with the entry tag or exhibit will be lowered one ribbon placing:

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

CLASSES

- C226001L Beginning Crocheted** (may enter 4 items, NOT eligible for State Fair Fashion Show)
- C226001 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
- C226002 Level 2 Crocheted Home Design and Restoration Item**-Crochet item using basic stitches [including: chain, single, double, half-double, treble] to form patterns.
- C226003 Level 3 Crocheted Clothing** (Garment eligible for State Fair Fashion Show) -Crochet garment using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.

C226004 Level 3 Crocheted Home Design and Restoration 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.

QUILT QUEST

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

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

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

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

For all classes, 4-Hers can choose fabrics for the quilt by selecting fabric from fabric bolts. 4-Hers may also use "fabric collections" offered by manufacturers in a particular designer or fabric line. Examples of fabric collections include:

- Jelly Rolls are made of (up to) 40 different strips of 2 ½" wide fabric laying on top of one another and rolled up to look like a jelly roll. The fabric is created by one designer or fabric line and compliments each other. In many cases, less skilled 4-Hers find it difficult to cut narrow strips with a rotary cutter and ruler, so this fabric selection may make it easier as they learn.
- Honey Buns are made like the Jelly Rolls with 1 ½" strips of fabrics.
- Layer Cakes are 10" squares of fabric from a manufactured designer or fabric line with different pieces of fabric "layered" on top of one another to look like a piece of cake.
- Charm Packs are made of 5" squares of coordinating fabric and may be tied up with a string or scrap of fabric.
- Candies are 2 1/2" squares of fabric from a manufactured designer or fabric line.
- Turnover is a collection of coordinating fabrics that are cut into 6" triangles.
- Fat Quarters are ½ yard cuts of fabric which are cut in half to make a rectangle that is approximately 18" x 21". (One half yard of fabric yields 2 fat quarters). The "fat quarter" can be more economical to purchase for a smaller quilt because the purchaser does not have to buy the entire yardage width.
- Fabric Kit is a collection of fabrics cut in large pieces to accommodate the requirements of a particular quilt pattern. The 4-Her must cut out all of the smaller squares, rectangles, etc. to make the quilt top according to the pattern directions.

After fabric selection, youth can use a variety 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.
- Quilts exhibited must have a permanent label on the back in the bottom right corner with quilter's name and date of completion.
- Fleece blankets are not eligible in this division

- Quilts will be judged by clothing/style revue judge, NOT on entry day, and will be lowered a ribbon placing if judged on entry day!

CLASSES

- C229010 Exploring Quilts** –Exhibits and Computer Exploration. Illustrate some aspect of quilts or quilt making. Examples include, but are not limited to language arts, quilts of different cultures, chemistry, design, preservation, history, and construction, math conversion of patterns, textiles/fabrics, computerization, and entrepreneurship. History may include history of an old quilt or a newly made quilt, or history/research of a particular style of quilt (such as Baltimore album quilts, Amish quilts, other). Exhibit may include 14"x22" poster, notebook, CD, Power point, Prezi, DVD, YouTube or other technique. All items in an exhibit must be attached together and labeled. No quilted items should be entered in this class.
- C229020 Quilt Design other than Fabric:** Two- or three-dimensional item with quilt design made using medium other than fabric, such as a wooden quilt block, stained glass, paper, etc. Quilt Designs 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. Exhibits without supporting information will be dropped a ribbon placing. Tag templates can be found at
- C229021 Barn Quilt** created that is less than 4'x 4'. Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project. Exhibits without supporting information will be dropped a ribbon placing.
- C229022 Barn Quilt** created that is 4'x 4' or larger. Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project. Exhibits without supporting information will be dropped a ribbon placing.
- C229030** Computer Exploration - Exhibit may be a 14 inch x 22 inch poster or a three-ring notebook that is 8.5 inches x 11 inches, 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.
- C229040 Wearable Art** – Quilted clothing or accessory which must have a recognizable amount of quilting and may include fabric manipulation. Quilting must be done by 4-H'er. On a half sheet of 8 ½ x 11-inch paper, tell how you selected the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.
- C229041 Inter-Generational Quilt** – A quilt made by a 4-H member and family members or friends of different generations. On a half sheet of 8 ½ x 11-inch paper, include an explanation answering the following questions: A) How was the quilt planned and who did what in the construction of the quilt? B) How did you select the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.? What did you learn that you can use on your next project?
- C229042 Service Project Quilt** – A quilt constructed by a 4-H member or group to be donated to a worthy cause. On a half sheet of 8 ½ x 11-inch paper, include an explanation answering the following questions: A) Why was the quilt constructed and who will receive the donated quilt? B) How did you select the design and fabrics used including whether or not you used a kit, jelly roll, charm squares, etc.? C) What did you do and what was done by others? D) What did you learn that you can use on your next project?

Guidelines for entries in Levels I, II, III, and Premier Quilt classes: Please note the description of classes. They denote degree of difficulty in construction, not the number of years in the project. All quilts must be clean and finished for intended purpose. A quilted exhibit consists of three or more layers. All quilts must be quilted (hand or machine) or tied. All quilt piecing and finishing must be the sole work of the current 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. On a half sheet of 8 ½ × 11" paper, include an explanation answering the following questions:

- A. How did you select the design and fabrics including whether you used a kit, jelly roll, charm squares, etc.?
- B. What did you do and what was done by others?
- C. What did you learn that you can use on your next project?

For award distribution, judging quilts will be within the following quilt sizes.

- a. **Small** - maximum length + width = 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.
- b. **Medium** - maximum length + width = from 61" to 120"
- c. **Large** - length + width over 120"

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

CLASSES

C229050 Small

C229051 Medium

C229052 Large

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

CLASSES

C229060 Small

C229061 Medium

C229062 Large

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

CLASSES

C229070 Small

C229071 Medium

C229072 Large

Premier Quilt - Entire quilt is the sole work of the 4-H'er, including quilting (hand or machine). The youth may receive guidance but no one else may work on the quilt. No tied quilts in this class.

CLASSES

C229080 Hand Quilted

C229081 Sewing Machine Quilted

C229082 Long Arm Quilted -- non computerized/hand quilted

C229083 Long Arm Quilted – computerized

CONSUMER MANAGEMENT

AWARDS	Purple	Blue	Red	White
	\$2.50	\$2.00	\$1.50	\$1.00

SHOPPING IN STYLE (Age: 12 & Over): THIS PROJECT WILL BE JUDGED STYLE REVIEW JUDGING DAY. ITEMS JUDGED ON FAIR CHECK-IN DAY WILL BE LOWERED ONE RIBBON PLACING.

GENERAL INFORMATION: Posters should be on 14" x 22" poster board. If a three-ring binder is used it should be 8 ½"x 11"x 1". Videos 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.

An explanation of projects and curriculum resources can be found at <https://4h.unl.edu/resources/projects/>. **CLASSES**

C240001 Best Buy for Your Buck (Ages 8-13 before January 1 of the current year). Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video (see general information). 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. Ages 10-13 Provide details about wardrobe inventory which indicates the following: why you selected the garment you did, clothing budget, and cost of garment and a 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 views).

C240002 Best Buy for Your Buck (Ages 14-18 before January 1 of the current year). Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video, no posters please (see general information above). Do not include the Shopping In Style Fashion Show Information Sheet in your entry. 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, and care of garment, and a 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 views).

C240003 Revive Your Wardrobe. Take at least two items in your wardrobe that still fits but that you don't wear anymore and pair them with a new garment or garments to make them

wearable once again. Create a photo story which includes before and after photos and a description of what was done. Put in a binder, poster, or video (see general information).

- C240004 Show Me Your Colors.** Select 6-8 color photos of you wearing different colors. Half should be what you consider to be good personal color choices and half should be poor personal color choices. Write a brief explanation with each photo describing your selections. Refer to the manual page 23 for more information. Entry should be a poster (see general information).
- C240005 Clothing First Aid Kit.** Refer to page 73 of the manual and complete a clothing first aid kit. Include a list of items in the kit and a brief discussion of why each was included. Put in appropriately sized box or tote with a lid. No larger than a shoe box.
- C240006 Mix, Match, & Multiply.** Using this concept from page 32 of the manual take at least 5 pieces of clothing and create new outfits. Use your imagination to show various looks (i.e., on a clothesline, 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).

MY FINANCIAL FUTURE (formerly Money Fundamentals)

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. Curriculum available at <https://4h.unl.edu/resources/projects/>.

CLASSES - Beginner/Intermediate

- C247001 Write 3 SMART financial goals for yourself** (one short term, one intermediate, and one long-term.). Explain how you intend to reach each goal you set.
- C247002 Income Inventory** - Using page 13 as a guideline, list sources and amounts of income you earn/receive over a six-month period. Answer the following questions: What were your income sources? Were there any steady income sources? What did you do with the income you received? Include your income inventory in the exhibit.
- C247003 Tracking Expenses** - Use an app or chart like the one on page 17 to track your spending over 2 months. Answer the following questions: What did you spend most of your money on? What did you learn about your spending habits? Will you make any changes in your spending based upon what you learned? Why or why not? Include your chart in your exhibit.
- C247004 Money Personality Profile**—Complete the money personality profile found on pages 21-22. Answer the following questions: What is your money personality? How does your money personality affect the way you spend/save money? Have a friend or family member complete the money personality profile. Compare and contrast (how are you alike how are you different) your money personality profile with theirs.
- C247005 Complete Activity 8 “What Does It Really Cost?”** on pages 39-40.
- C247006 My Work; My Future** – Interview three adults in your life about their careers or jobs using the questions on page 51 and record these answers. In addition, answer the following questions on your display. What did you find most interesting about these jobs? 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?

CLASSES - Intermediate/Advanced

C247007 Interview someone who is paid a salary, someone who is paid a commission, and someone who is paid an hourly wage. Have them answer the following questions plus any additional questions you may have.

- What are some benefits of receiving your pay the way you do (salary, commission, or hourly wage)?
- What are some negative outcomes for getting paid the way you do?
- Does your pay keep pace with inflation? Why do you think this?

Summarize: Based upon your interviews which payment method would suit you the best? Discuss your answer.

C247008 The Cost of Not Banking- Type your answers to the questions about Elliot on page 50.

C247009 Evaluating Investment Alternatives - Complete the case study of Jorge on page 64. Answer all three questions found at the bottom of the page.

C247010 Understanding Credit Scores—Watch the video and read the resource listed on page 71. Answer the following items.

- Name 3 prudent actions that can reduce a credit card balance.
- What are the main factors that drive the cost of credit?
- List one personal financial goal that you could use credit or collateral to purchase. Discuss possible consequences that might happen with improper use of credit for your purchase.

C247011 You Be the Teacher – Create an activity, story board, game or display that would teach another youth about “Key Terms” listed on page 62. Activity/display must include at least five (5) of the terms.

FASHION SHOW - FASHION REVUE

AWARD	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

Beyond the Needle - 4-H members must show their own original creativity. One entry per clothing class (see page C-5) with a limit of three entries per 4-H'er.

CLASSES

C410009L Embellished Garment with Original Design - Patterns are not used. Designs of original idea of the 4-H'er and have not been produced before. Ideas from pictures as starting points for designs are acceptable when 4-H'er modifies the design or combines ideas to make an original statement. Embellishments are applied to a purchased or constructed garment.

C410010 Modeled Constructed “Beyond the Needle” Garment from an Original Design - Garment is created using intermediate or advanced techniques as defined in the project manual. Designs are the original idea of the 4-H'er using the elements and principles of design to make an original statement.

C410011L Embellished Garment - Any surface embellishment that is applied to a purchased or constructed garment such as ribbon, lace, embroidery, appliqué, braid, buttons, and fabric pieces. Patterns or ideas from magazines may be used. Commercial Iron-on appliqués or any

prepackaged item where the materials are predetermined by the manufacturer WILL NOT be accepted.

C410015 Modeled “Beyond the Needle”- Garment Constructed from Original Designed Fabric - Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added.

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

C410025 Modeled “Beyond the Needle” Wearable Technology Garment- Garment has integrated technology into its design.

C410030 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 with a constructed bottom. OR
- Upcycled Outfit Combination - must contain a complete constructed outfit (examples: if the top is upcycled, must include a constructed bottom, upcycled dress).

C410040 Modeled Constructed STEAM Clothing 3 Garment(s) - 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.
- Upcycled Outfit Combination - must contain a complete constructed outfit (examples: if the top is upcycled, must include a constructed bottom, upcycled dress).

C410050 Modeled Knitted or Crocheted Clothing (Level 2 or 3) - Knitted garment using pattern stitches such as diamond, block, twist or seed/moss stitches or advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, tamerna, plait, germaine, feather and fan or knitting with one or more patterns such as Aran or Fair Isle. Crocheted garment using pattern stitches such as texture, shell, cluster or mesh stitches or advance crochet stitches such as afghan, broomstick, hairpin lace, design motifs or pattern

stitches. Garment can be a cardigan, dress, coat, a top and bottom, or a two-piece ensemble.

C410060 Modeled Shopping In Style Purchased Outfit and Written Report - Participants must be enrolled in the Shopping In Style 4-H Project to enter. The curriculum is developed and designed for youth ages 8 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.

STEAM CLOTHING 1 FASHION REVUE - NOT ELIGIBLE FOR STATE FAIR

CLASSES

C410001L Beginning Sewing Project - Pillows, pillowcase, tote bag and laundry bag, purse, may be modeled. Limit of one (1) item per exhibitor

C410002L Upcycled Garment - Limit of one (1) garment per exhibitor

C410003L Other Sewing – Apron, Vest Limit of one (1) item per exhibitor

C410004L Simple Garments - Limit of two (2) garments per exhibitor (one bottom and one top) or Dress.

C410005L Upcycled Accessory - Limit one accessory per exhibitor

HOME DESIGN AND RESTORATION

AWARDS	Purple	Blue	Red	White
	\$2.50	\$2.00	\$1.50	\$1.00

ALL EXHIBITS MUST BE ABLE TO BE EASILY MOVED BY 2 PEOPLE.

GENERAL RULES

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

1. Items must be designed to be used for home decorating, home furnishing or home management (no clothing, purses, note cards, scrapbooks/photo albums, etc.)
2. Accessories should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday specific items are discouraged.
3. Items should show creativity and originality, along with the application of design elements and principles. Youth are required to include the design elements and principles they used along with simple directions for how they made their project with their exhibit. Information on the elements and principles of design may be found in the Design Decisions manual, as well as Portfolio Pathways and Sketchbook Crossroads.
4. Entered in correct class: What medium was changed or manipulated? What medium is most of your exhibit made from?
5. Items should be ready for display in the home (pictures framed, wall hangings and pictures ready to hang, etc.). No single matboard or artist canvas panels. Wrapped canvas (if staples not visible on edge) is accepted without framing, but still needs to include hanger. **MAKE SURE HANGERS ARE STRONG ENOUGH TO SUPPORT THE ITEM!!** Command strips are NOT adequate hangers. Items not ready for display will be dropped one ribbon placing.
6. Items should not be ones made for beginning level or other projects (ex: simple (10 minute) table runners or woodworking). Exhibits from beginning level, Design My Place, are county only and not state fair eligible.
7. Items should NOT be made from beginning level or other projects (ex: simple (10 minute) table runners or woodworking). Exhibits from the beginning level project, Design My Place, are county only and not state fair eligible.

- B. ENTRY TAGS:** An entry tag which includes a clear description of the entry must be securely attached to each Home DESIGN AND RESTORATION exhibit. Use color names or pattern or picture descriptions to aid in identification. No straight pins. Home Environment tags can be found at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/> **IDENTIFICATION:** In addition to the entry tag, a label with the exhibitor's name and county should be attached to each separate piece of the exhibit.

- C. SUPPORTING INFORMATION:** Supporting information is required for all Home DESIGN AND RESTORATION exhibits. Information must include the elements and principles of design used and steps taken to complete project. Tag templates can be found at <https://go.unl.edu/ne4hhomedesignrestoration>. Exhibits without supporting information will be lowered a ribbon placing. An explanation of projects and curriculum resources can be found at <https://4h.unl.edu/resources/projects/>.

DESIGN MY PLACE

CLASSES

C251001L Needlework item (made with yarn or floss)

- C251002L Simple Fabric accessory (pillow, pillowcase, table runner, etc.)**
- C251003L Accessory made with original batik or tie dye.**
- C251004L Simple accessory made by using wood**
- C251005L Simple accessory made using plastic**
- C251006L Simple accessory made using glass**
- C251007L Simple accessory made using clay**
- C251008L Simple accessory made using paper**
- C251009L Video** showing how to make a bed, organize a room, or the steps you used to make your simple accessory
- C251010L Storage item made or recycled**
- C251011L Bulletin or message board**
- C251012L Metal Tooling or Metal Punch Accessory**
- C251013L Problem Solved:** Use creative method to show how you solved a problem (air quality, water, sound, temperature, lighting, fire escape plan, etc.)

LEATHER CRAFTING – NOT ELIGIBLE FOR STATE FAIR

CLASS

C254002L Leather Craft

DESIGN DECISIONS

CLASSES

- C257001 Design Board for a Room:** Include: color scheme, wall treatment, floor treatment, etc. OR floor plan for a room- Poster (22" x 28") or a multi-media presentation (on CD) showing what you learned with before and after pictures or diagrams, samples, story, cost comparisons, optional arrangements, etc.
- C257002 Problem solved OR Career exploration –** Identify a problem (as problem windows, storage needs inconvenient room arrangement, etc.) OR explore a career related to home environment. (what would it be, what education is needed, what would you do, etc.) Using poster, notebook, multimedia presentation (on CD) or other method, describe the problem and how it was solved OR your career exploration. (p. 74-93)
- C257003 Solar, wind, or other energy alternatives for the home –** 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. (p. 74-93)
- C257004 Technology in Design –** Incorporate technology into a project related to home environment; for example, using conductive thread to create a circuit that enhances a wall hanging or create the design with a 3D printer.
- C257005L 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.

- C257006 Window Covering** - May include curtains, draperies, shades, shutters, etc.
- C257007 Floor covering** – May be woven, braided, painted floor cloth, etc.
- C257008 Bedcover**-May include quilt, comforter, bedspread, dust ruffle, pillow sham, canopy, etc. For quilts, state who did the quilting. (No fleece tied blankets, p. 50-53)
- C257009 Accessory -Framed Original Needlework/Stitchery** made by 4-H members. May be commercially framed.
- C257010 Accessory – Textile – 2D** (tablecloth or runner, dresser scarf, wall hanging, etc. No tied fleece blankets or 10-minute table runners.)
- C257011 Accessory – Textile – 3D** (pillows, fabric bowls, etc. no fleece tied exhibits)
- C257012 Accessory – 2D**
- C257013 Accessory – 3D** (string art, wreaths, etc.)
- C257014 Accessory – Original Floral Design**

FOR CLASSES 13-16, DETERMINE ENTRY BY WHAT MEDIUM WAS MANIPULATED.

- C257015 Accessory – Original made from Wood** – burn, cut, shape or otherwise manipulated.
- C257016 Accessory – Original made from Glass** – etch, mosaic, stain, molten or otherwise manipulate.
- C257017 Accessory – Original made from Metal** – cut, shape, punch, sculpt, reassemble or otherwise manipulate.
- C257018 Accessory – Original made from Ceramic or Tile** – Treatment to exhibit must go through process that permanently alters the medium. Painting alone is not sufficient.
- C257019 Accessory – Recycled/Upcycled Item** for the home, reuse a common object or material in a creative way. Include a description of what was done to recycle or reuse item in your attached information.
- C257020 Furniture - Recycled/Remade**, made or finished by using a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information.
- C257021 Furniture - Wood Opaque finish** such as paint or enamel.
- C257022 Furniture - Wood Clear finish** showing wood grain.
- C257023 Furniture - Fabric Covered** - May include stool, chair seat, slipcovers, headboard, etc.
- C257024 Furniture - Outdoor Living** – Furniture made/refurbished by 4-H member suitable for outdoor use. NOTE: May be displayed outside. Include description of what was done to recycle or reuse item in your attached information.
- C257025 Accessory - Outdoor Living**. Accessory made/refurbished by 4-H member suitable for outdoor use. Note: May be displayed outside. Include description of what was done to recycle or reuse item in your attached information.

HEIRLOOM TREASURES/FAMILY KEEPSAKES

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

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

CLASSES

C256001 **Trunks**, including doll-sized trunks and wardrobes.

C256002 **An Article** - either a repurposed "treasure" (accessory) from an old item or an old "treasure" (accessory) refinished or renovated. May include a display of a collection or collectibles, being careful not to destroy value of the collection.

C256003 **Furniture** - either a repurposed "treasure" from an old item or an old "treasure" refinished or renovated. May include doll-sized furniture.

C256004 **Cleaned and Restored Heirloom Accessory or Old 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. (Refinished items go in classes 2-3) Consult extension publication *Care and Conservation of Heirloom Textiles* for information on textiles. This publication can be found in the Digital Commons at: <https://go.unl.edu/gcnh> 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.

VISUAL ARTS

AWARDS	Purple	Blue	Red	White
	\$2.50	\$2.00	\$1.50	\$1.00

ALL EXHIBITS MUST BE ABLE TO BE EASILY MOVED BY 2 PEOPLE.

The purpose of the Visual Arts projects is to learn design principles and develop design techniques. In addition, youth should work to communicate a personal voice, with intention, through their work. Be sure to take note of the rules section to develop a successful project. By completing supporting documentation, youth will examine their choices and demonstrate an understanding of the elements of art and principles of design.

GENERAL RULES

Visual Arts exhibits are evaluated by these criteria:

- A. **Original Work** - Items must be the original work of the 4-H member and should show creativity and originality. No copyrighted images or master studies.
- B. **Display** - Ready for Professional Display - All exhibits must be presented appropriately for the medium(s) used and ready to be professionally displayed. 2-dimensional pieces on paper must be framed behind glass/plexiglass. Canvas boards should be framed but glass/plexiglass is not necessary. Stretched canvases do not need frames as long as staples are not visible on the edges. All 2-dimensional pieces must be ready to hang using a sawtooth or wire hanger.
- C. **Entries per Exhibitor**: See general rules.
- D. **ENTRY TAGS**: Entry tags should include a visual description of the exhibit, including size, dominant color, and subject to aid in identification.
- E. **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.
- F. **Supporting Information**: Supporting information is required for all Visual Arts exhibits. Information must include responses to at least two reflection questions and steps taken to complete the project. Supporting Information tag templates can be found at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>. Exhibits without supporting information will be dropped a ribbon placing.
- G. Exhibits may utilize any medium or combination of mediums on any surface. All exhibits must be appropriately presented and ready to be professionally displayed. Artwork should depict the artist's own interpretation of the theme. All exhibits should include an explanation of how the piece reflects the theme and what ideas or thoughts the artist was attempting to express or communicate.

VISUAL ART MEDIUMS

Resource: https://4hcurriculum.unl.edu/index.php/main/program_project/51

Use techniques from manual or comparable techniques. Attach information to explain steps taken. Information must also include element or principle of design used. (p. 8-9)

CLASSES

C260001 Original acrylic painting

- C260002 Original oil painting**
- C260003 Original watercolor**
- C260004 Original Pencil Drawing**
- C260005 Original Charcoal Drawing**
- C260006 Original Ink Drawing**
- C260007 Original Fiber Art** - Could include weaved art, dyed fabric, felted wool, cotton linter, batik, etc.
- C260008 Original Sculpture** - Could include Styrofoam, wood, cardboard, paper, metal, wire, etc.
- C260009 Original Ceramic Pottery** - No purchased ceramic pottery. Must be glazed and fired. May be any hand-built technique or wheel thrown. May be functional or non-functional. Could include slab built, pinch pots, coil built, wheel thrown, etc.
- C260010 Original Painting on Purchased Ceramic Surface** - No hand-built or wheel thrown pottery. May be functional or non-functional. Could include figurines, cups, bowls, etc.
- C260011 Original Single Media Not Listed** - Could include digital art, leathercrafting, printmaking, stained glass, pastels, scratchboard, sand painting, encaustic painting, chalk, etc.
- C260012 Original Mixed Media** - Could include any combination of two or more other mediums or materials.

VISUAL ART THEMES

Resource: https://4hcurriculum.unl.edu/index.php/main/program_project/51

Use techniques from manual or comparable techniques. Attach information to explain steps taken. Information must also include element or principle of design used. (p. 8-9)

CLASSES

C261001 - Original Art Inspired by Plants or Animals - could involve but is not limited to domestic animals, pets, agriculture, wild animals, wildlife conservation, house plants, fruit, vegetables, flowers, native plants, trees, etc.

C261002 - Original Art Inspired by Landscapes - could involve but is not limited to rural landscapes, natural environments, man-made environments, urban landscapes, extraterrestrial landscapes, oceanic scenes, buildings, fantasy landscapes, agricultural landscapes, etc.

C261003 - Original Art Inspired by People- could involve but is not limited to cultural art, modern society, portraits, daily life, careers, families, emotions, etc.

C261004 - Original Art Inspired by Artist's Choice - could involve but is not limited to food, cars, fantasy worlds, imaginary characters, science-fiction, history, etc.

DEPARTMENT D - ENVIRONMENTAL EDUCATION/EARTH SCIENCE

CONSERVATION & WILDLIFE

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

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 the judge understand what the 4-H'er did and learned about conservation and wildlife through the process that led to the exhibit.
- B. **PROPER CREDIT.** Show proper credit by listing for the sources of plans or other supporting information used in exhibits.

Example to attach to your exhibit

Name: Chris Clover
County: Clover County
Age: 10

Field Experience, Study, or Observations:

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

Credits/Source:
Information was obtained from Nebraska Game & Parks website

- C. **WHOSE EXHIBIT?** The exhibitor's name, 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 all wildlife laws; example: wildlife laws do not allow collection of bird nests, eggs, or parts. Domestic animal (i.e. domestic livestock or house pets) and insect exhibits are not appropriate for this area.
- E. **ENTRIES PER INDIVIDUAL.** Each individual is limited to a total of four (4) exhibits, each in a different class. Maximum of 4 entries per county in each class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
- F. **PROJECT MATERIALS.** Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 59381), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H 125), Outdoor Skills: Learning Science in the Outdoors series (Science Signature Outcome Program) Program) www.outdoornebraska.gov/afterschool/ and www.whep.org.
- G. **BOARD & POSTER EXHIBITS** Mount all board exhibits on ¼" inches plywood, Masonite, or similar panel no larger than 24" inches high by 24" inches 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. **Exhibit Size: Exhibits** other than poster/display board should not exceed 48 inches x 48 inches and be able to be moved by two people.

An explanation of projects and curriculum resources can be found at <https://4h.unl.edu/resources/projects/>.

CLASSES - WILDLIFE CONSERVATION

D340001 Mammal Display Choose one mammal from the wild and share on your display about the mammal. Examples include life history, behavior, habitat or other interesting facts.

D340002 Bird Display Choose one bird from the wild and share on your display about the bird. Examples include life history, behavior, habitat or other interesting facts.

D340003 Fish Display Choose one fish from the wild and share on your display about the fish. Examples include life history, behavior, habitat or other interesting facts.

D340004 Reptile or Amphibian Display Choose one reptile or amphibian and share on your display about the reptile or amphibian. Examples include life history, behavior, habitat or other interesting facts.

Please note: Classes **01-04** are board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation, restoration, or management. 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 study methods; wildlife behavior (example: when nesting, finding food, moving, etc.); habitats (examples: grasslands, wetlands, river or stream corridors) and what wildlife is found there; habitat needs for a specific kind of wildlife. For more ideas, refer to project booklets.

D340005 Wildlife Connections - Board or poster exhibit. The purpose of this display is to show interconnections and related aspects among animals, plants, and other habitat components. All displays should show two or more interactions (connections) that occur between/among animals or between animals and their habitat. Displays might show how animals interact with other animals, with people, or with their habitat. 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 or with their habitat. 4) Show predation, competition, or other behavior 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. 6) For more ideas, refer to project booklets.

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

- D340007 Wildlife Knowledge Check** - Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches. Example: prepare a list of animals and questions about where each would most likely live. (Rabbits - brushy areas along field borders; ducks - marshes, etc.
- D340008 Wildlife Diorama** - Exhibit must be no larger than 24" by 24". The exhibit might show grassland, prairie, agricultural, woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: show an area interspersed with several habitats such as windbreaks, farm field, woods, waste area, ditches, and pastures for edge-adapted species such as white-tailed deer, Northern bobwhite, ring-necked pheasants, mourning doves, cottontail rabbits, fox squirrels, Northern cardinals, or blue jays. Label the habitats displayed and show at least five kinds of wild animals in their proper habitats.
- D340009 Wildlife Essay** - Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife (commercial value, game value, genetic value, aesthetic value, ecological value, scientific value). You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder, or at other places. You might write about ethics, proper behavior in the outdoors, hunting, or fishing. For other ideas, refer to project booklets. The essay should be between 100 and 1,000 words long and should be typed, double spaced, or written so that it can be easily read. Standard size paper (8 ½" x 11") format is preferred. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them.
- D340010 Wildlife Values Scrapbook** - Make a scrapbook about the various values of wildlife This would include aesthetic, scientific, commercial, game, genetic, and/or ecological. One resource would be the Wildlife Conservation project booklet (4-H 125).
- D340011 Wildlife Arts** - The purpose of this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, and wood carvings, painted duck decoys or songs or poems written by the exhibitor. Entries must be appropriate for fair display and no larger than 24" x 24". For example, paintings or photographs should be displayed in notebook format or mounted on a sturdy display panel. All entries must include a title and brief explanation of the purpose or message (what is the exhibit meant to show).

CLASSES- OUTDOOR ADVENTURES LEVEL 2

• Consider neatness and creativity.

- D341001 Poster** - Topics may include, but not limited to one or more of the following; how to pitch a tent, knot tying, cooking over a campfire, how to start a campfire, wildlife and plants identified while camping, how to set up emergency shelter, dealing with weather, collection of photos from camping trips, "Leave No Trace" and how that was followed while camping, plan a camping trip, camping essentials, environmental issues/protecting natural resources, park or trail clean up, sanitation/hygiene while outdoors or use of GPS.
- D341002 Journal/Binder** - Written report of actual, virtual or actual camping/hiking trips with observations OR field journal (notes of actual experiences, sights, sounds, smells, etc.), OR camping or hiking trip diary. Explain growth in project, leading the hikes, planning the

camping trip, now being able to identify the wildlife and nature around you and how identified (sight/sound/shape/smell/color). Feathers/leaf/flower pressings must be securely attached, if included. Photos of drawing of observations encouraged. Exhibits measure no larger than 16" X 16".

- D341003 Camping/Hiking Safety** - Must include explanation of use of item and why selected/purpose, how it fits hiking/camping needs. May include, but are not limited to, one of the following: travel sized poisonous plants guide, camping first aid kit, weather/water safety or hand hygiene kit.
- D341004 Digital Media** - Use digital media to show video/slideshow/presentation of setting up a tent (include why site is chosen) or protecting natural resources or environmental issues or computer video camping/hiking game. Submit a USB drive or DVD inside a report cover or notebook. If using a slideshow, include printed slides inside report cover or notebook.
- D341005 Other Camping Items** - Must include what inspired the creation of the item, and its purpose. May include but are not limited to one of the following: nature art, nature haiku poem, spider web sketches or knot display.

CLASSES- OUTDOOR ADVENTURES LEVEL 3

- D341006 Poster** - Topics may include but are not limited to one of the following: Topographic map, backpacking trip plan, camp layout, plan an expedition (can be dreamed or lived), collection of photos from your expedition, trails hiked, cost comparison of rental vs purchase or using GPS/compass.
- D341007 Journal/Binder** - Written report of actual, virtual or imagined expeditions/camping/hiking, OR field journal (notes of actual experiences, sights, sounds, smells, etc.). Explain growth in project, challenges in leading a group, teaching others about wildlife and nature identification and "Leave No Trace." Exhibits measure no larger than 16" X 16".
- D341008 Expedition Safety** - Must include an explanation of use of items, why selected/purpose of item, how it meets hiking/camping/expedition needs. May include but are not limited to; travel sized edible plants, creepy crawly guide, tent repair kit, travel first aid kit or weather/water safety.
- D341009 Digital Media** - Use digital media to show video/slideshow/presentation of one of the following, but not limited to; building a non-tent shelter (include why needed), packing your backpack/equipment and getting it onto you, teaching others about environmental issues or a computer video backpacking expedition game. Submit a USB drive or DVD inside a report cover or notebook. If using a slideshow, include printed slides inside report cover or notebook.
- D341010 Other Expedition Items** - Must include what inspired the creation of the item, and the purpose of the item. May include, but are not limited to; nature art, nature cinquain poem, backpacking food recipes, hiking/expedition conditioning plan, charcoal etching, dehydrated meal or snack (at least 1 cup displayed in a re-sealable plastic bag with ingredients, instructions, and nutritional facts included). Exhibits measure no larger than 18" X 24"

CLASSES - WILDLIFE HABITAT

- D342001 Houses** - Make a house for wildlife. Examples: bird houses (wren, bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house. No insect houses. Make the house functional so that the dimensions, whole size etc. are appropriate to fit the intended

species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, 3) any seasonal maintenance needed. (Tips: Check NebGuide on bird houses and shelves <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1063&context=extensionhist>)

D342002 Feeders/Waters - Make a bird feeder or bird bath. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; no insect feeders. Include the following information: 1) the kinds of animal(s) for which the water/feeder is intended, 2) where are how the water/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences. (Tips: NebGuide, Feeding Birds, <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=2514&context=extensionhist>).

D342003 Wildlife Habitat Design - Board or poster exhibit. Choose a backyard, acreage, or farm, and design a habitat plan to meet the food, water, shelter, and space needs of at least three kinds of animals you would like to attract. Draw an outline of the area and show what plants or other habitat that 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. For ideas, check the Wildlife Habitat Evaluation Handbook, Participant's Manual (4H4300).

CLASSES - HARVESTING EQUIPMENT

D343001 Fish Harvesting Equipment - Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knot, 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 it is used,
3. any personal experiences you have had with the item(s).

D343002 Build a Fishing Rod. Build your own fishing rod for exhibit and for fishing use. Rod building kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches length. Exhibit must be mounted on a board. Include with the exhibit the following:

1. Explanation of cost of materials/components, where materials/components were purchased, how made, and number of hours required for construction.
2. Label all parts.

Necessary components which must be included are grip, line guides (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibit will be judged on workmanship, labeling of parts information, and neatness.

D343003 Casting Target - Make a casting target for exhibit and use. Target must be under 48" x 48". The bullseyes must be 2 feet, outer band must be 1 foot in diameter and can have up to 3 rings. The exhibit must be easy to store, durable, and weather resistant. Include the purpose and rules of using your casting target.

D343004 Wildlife Harvesting Equipment - Board exhibit. 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,
3. any personal experiences you've had with the items(s).

D343005 Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory. Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype and any adjustments you made.

CLASSES - TAXIDERMY

D346001 Tanned Hides Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information: - the animal's name - information about the exhibitor's personal field experiences, study, or observations that relate to the exhibit.

D346002 Taxidermy Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information: - the animal's name - information about the exhibitor's personal field experiences, study, or observations that relate to the exhibit.

SHOOTING SPORTS

AWARDS	Purple	Blue	Red	White
	\$2.50	\$2.25	\$2.00	\$1.75

GENERAL RULES

ALL EXHIBITS MUST BE MADE BY EXHIBITOR. NO PURCHASED EXHIBITS ACCEPTED!!

CLASSES - SHOOTING SPORTS

D347001 Shooting Aid or Accessory-Any item which helps the shooter/hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc. Include your design, or plans you adapted what the item is and used for.

D347002 Storage Case - an item with the purpose to safely hold a firearm, bow, ammunition, and/or arrows, examples: soft sided shotgun case, quivers, firearm safe, include your design, or plans you adapted. Explain how the storage case is used.

D347003 Practice Game or Activity-invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials for 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.

D347004 Science, Engineering, Technology Advancements of Shooting Sports Essay/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 an 8 ½ x 11 paper.

- D347005 Healthy Lifestyles Plan-** Include Shooter's diet and exercise plan, and how the 4-H member would follow the plan and include some journal entries about adaptations or improvements made while following the plan.
- D347006 Citizenship/Leadership Project** – Share a display on a citizenship project or leadership project the 4-H member took on individually or with a group to improve some aspect related to 4-H Shooting Sports. Examples could be range development, conservation planting to attract wildlife, a Camp, 4-H recruitment event. Include who benefitted from the project, what the 4-H member was, and any results.
- D347007 Career Development/College Essay-**Research opportunities for careers related to this area or opportunities for college majors or college activities to help discover using project skills beyond a person's 4-H career. Essays are limited to 1000 words and should be on 8 ½ x 11 paper. Interviews need to include a picture of the interviewee in their work setting, questions asked, and a transcription of answers.
- D347008 Community Vitality Display-**Explore the difference shooting sports and hunting make in keeping Nebraska vibrant, especially in rural areas. Present facts and research in an interesting way for the public to learn from.
- D347009 Ag Literacy-Value Added Agriculture Interview or Research Project.** -Explore how traditional ag producers are adding value to their production agriculture operations through conservation efforts, hunting, raising pheasants, shooting sports related tourism, etc. Present findings in an interesting way for the public to learn from.

CLASSES - SHOOTING SPORTS CONTESTS-LOCAL

- H951005L County Fair Shooting Contest** (Only for 4-H members, 4-H age 8-18, and who have participated with certified shooting sports leader. County fair shoot event must be supervised by the certified shooting sports leader.)

OTHER NATURAL RESOURCE

CLASSES

- D361001 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.

RANGE MANAGEMENT

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

- A. Each exhibit must be properly identified with Unit and Class.
- B. All plant displays and display covers must be the result of the current year's work.
- C. Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, and grass-like plants) can be found in the Range Judging Handbook and contest guide (EC150, revised July 2009), Common Grasses of Nebraska (EC170), and Common Forbs and Shrubs of Nebraska (EC-118)

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. Refer to appropriate project manuals.
- C. Each completed mount must have the following information typed or printed neatly in the lower right corner of the mounting sheet:
 - 1. Scientific name (in italic or underlined), with authority.
 - 2. Common name.
 - 3. County of collection.
 - 4. Collection date
 - 5. Collector's name.
 - 6. Personal collection number, indicating order that plants were collected in your personal collection,
 - 7. Other information, depending on class selected, i.e., value and importance, life span, growth season, origin, major types of range plants.

CLASSES - RANGE MANAGEMENT BOOKS

- D330001 Value and Importance for Livestock Forage and Wildlife Habitat and Food Book-** A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. Value and importance classifications can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2016) 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.
- D330002 Life Span Book** - A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.
- D330003 Growth Season Book** - A collection including 6 cool-season grass mounts and 6 warm-season grass mounts.
- D330004 Origin Book** - A collection of plant mounts of 6 native range grasses and plant mounts of 6 introduced grasses (introduced grasses are not from North America and often used to seed pastures).

D330005 Major Types of Range Plants Book - A collection of plant mounts of including 3 grasses, 3 forbs, 3 grass-like and 3 shrubs.

D330006 Range Plant Collection Book – A collection of 12 range plant mounts with something in common (i.e., poisonous to cattle, or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.). Include a short paragraph in the front of the book which describes what the plants have in common and why you have chosen to collect them.

DISPLAY: 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, , and county on back side.

CLASSES -DISPLAY

D330007 Parts of a Range Plant Poster – Mount a range plant on a poster board. Label all the plant parts. Include the plant label in the lower right corner, including the scientific and common name of the plant. Put your name and 4-H county on the back of the poster.

DISPLAY BOARDS: Display boards should be should 30" wide by 36" tall or if hinged in the middle a maximum of 60" wide by 36" tall. Display boards should be adequately labeled.

CLASSES -DISPLAY BOARD

D330008 Special Study Board - A display of the results of a clipping study, a degree of use study or a range site study. A short essay must accompany the display to explain the reason for the study, what was learned, and study results. This should be placed in a sheet cover attached to the board.

D330009 Junior Rancher Board - Exhibit should include a ranch map with record book or an appropriate educational display on some phase of rangeland or livestock management. A short essay must accompany the display to explain the purpose of the rancher board, what was learned, etc.

FORESTRY/TREE IDENTIFICATION

AWARDS	Purple	Blue	Red	White
	\$2.50	\$2.00	\$1.50	\$1.00

GENERAL INFORMATION

- A. The official reference for all forestry projects is the Tree Identification Manual (4-H 332), recently revised and available for purchase from UNL Marketplace <https://marketplace.unl.edu/extension/4h332.html> ([/](#)). Other helpful forestry references include Trees of Nebraska (EC 92-1774-X), Leafing Out (4-H431) and Plant a Tree (EC 17-11-80)
- B. 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.
- C. Display "posters" must be made from a material, e.g., foam board or poster board, that will stand upright without buckling, and be no more than 24" x 24".
- D. Display "books" must measure no more than 16" x 16".
- E. 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.
- F. Due to emerald ash borer infestation, no true ash species (Green Ash, White Ash, Black Ash, or Blue Ash) may be included in any collections. Inclusion of a true ash species will result in the project being disqualified.
- G. Remember 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.
- H. How well the exhibitor follows written directions is an important factor in judging.

CLASSES

- D320001 Design-Your-Own Exhibit:** Prepare an educational exhibit about some aspect of trees, forests, or forestry that is of special interest to you. Possible topics include paper recycling, wildfire, forest products, forest wildlife, or forest pests. The only requirement is that the display must be no larger than 24 inches by 24 inches by 24 inches. Photographs, drawings, samples, charts, posters, etc. can be used. Include enough information to adequately explain the topic. Your display should be substantially different from other display classes. Be as creative as you like.
- D320002 Leaf Display:** The leaf display must include samples of "complete leaves" from at least 10 different tree species. The display must include at least two samples each of simple leaves, compound leaves, and conifer leaves. Leaves should be pressed, dried, and mounted. All collection must be done by the exhibitor.
- A. **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

also be in good condition and representative of the average leaves on the tree. Keep in mind that shaded leaves often are much larger than normal. Carefully remove leaves from the twig with the entire petiole or rachis (if compound) 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.

- B. **Mounting:** Leaves may be displayed in a notebook or on a display board. Any method may be used to mount leaves, e.g., wire, glue, tape, staples, plastic bags, but be sure all their features can be clearly identified.
- C. **Labeling:** If a twig is included with a sample, indicate "twig included" on the label. For example, the twig may be included with an eastern red cedar sample because the leaves are very small and difficult to remove from the twig. The label for each sample must include:
 - 1. common name
 - 2. scientific name
 - 3. leaf type
 - 4. leaf arrangement (for broadleaf trees)
 - 5. leaf composition (for broadleaf trees)
 - 6. collector's name
 - 7. collection date
 - 8. collection location (be specific, state and county at a minimum)
- D. **Supplemental information:** e.g., general uses, common products, fall color, etc., may be included with the display to enhance its educational value.

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

- A. **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.
- B. **Mounting:** Twigs must be mounted on a display board. Any method, e.g., wire, glue, tape, staples, plastic bags, 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.
- C. **Labeling** The label for each sample must include:
 - 1. common name
 - 2. scientific name
 - 3. leaf arrangement (for broadleaf trees)
 - 4. collector's name
 - 5. collection date
 - 6. collection location (be specific, state and county at a minimum)
- D. **Supplemental information:** e.g., general uses, tree characteristics, etc., may be included with the display to enhance its educational value.

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

- A. **Collection:** Tree seeds should be collected at the time of year when they mature, which varies widely depending upon tree species. For example, Silver maple seeds mature in

May while red oak acorns do not mature until September. Seed samples should be free of insect or disease symptoms. Remember to display seeds, not fruit. For example, the seed of honeylocust is enclosed in a pod. Remove and display the seed, not just the pod. It is acceptable to display the fruit with the seed, but clearly label each. All collection must be done by the exhibitor.

- B. **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.
- C. **Labeling** The label for each sample must include:
 1. common name
 2. scientific name
 3. type of fruit, if known (e.g., samara, pod, nut, legume, etc.)
 4. collector's name
 5. collection date
 6. collection location (be specific, state and county at a minimum)
- D. **Supplemental information:** e.g., maturity date, average number of seed in the fruit, etc., may be included with the display to enhance its educational value.

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

- A. **Preparation:** Samples may be of any shape, i.e., sections of a board, wood cylinders turned on a lathe, horizontal or vertical cross sections of a small log with bark attached, etc. 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.
- B. **Mounting:** Samples may be displayed in a variety of ways, but they must be securely mounted and easily viewed. For example, wood samples may be mounted on a display board or displayed in a box or rack. Be as creative as you like.
- C. **Labeling:** The label for each sample must include:
 1. common name
 2. scientific name
 3. wood type (softwood or hardwood)
 4. collector's name
 5. collection date
 6. collection location (be specific, state and county at a minimum)
- D. **Supplemental information:** e.g., common products, density, etc., may be included with the display to enhance its educational value.

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

- A. **Labeling:** The following parts must be clearly and accurately labeled on the disc 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:

1. common name
2. scientific name
3. tree classification (softwood or hardwood)
4. age (of the cross section)
5. collector's name
6. collection date
7. collection location (be specific, state and county at a minimum)

D320007 Parts of a Tree: This project is only for ages 8 – 11. Prepare a poster, no larger than 24 inches x 24 inches that clearly identifies the main external parts of any tree:

1. Trunk
2. Crown
3. Roots
4. Leaves
5. Flowers
6. Fruit
7. Buds
8. Bark

Identifying other internal parts e.g., phloem, xylem, cambium, annual ring, pith, etc., is optional. Attach a separate label on the back of the poster that includes the exhibitor's name and age.

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

A. **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

B. **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. Supplemental information will be an important factor in judging.

D320009 Forest Product Display - Prepare a visual display and/or collection tracing the origin of one non-lumber product that comes from trees and/or forests. The display must be no larger than 24 inches by 22 inches by 28 inches. Photographs, drawings, samples, charts, posters,

etc. can be used. Posters submitted may be no larger than 22" x 28" and may be either vertical or horizontal. The contestant must identify what species of tree the product is derived from and where the product is harvested, grown, or otherwise collected. The product listed must be partially or fully derived from trees, if partial the approximate percentage should be articulated in the display.

- A. The goal of this exhibit is for students to learn that many products come from trees and forests and to explore one of these products through in-depth study.
- B. Information about the tree or forest product: e.g., information about harvesting, processing, industry information, and environmental or other benefits may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.
- C. Personal interviews with industry professionals are encouraged as a source of information.

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

- A. **Explain** through the display what species of trees the health issue affects, diagnostic features of the issue (symptoms in trees, identifying features of the pest, etc.), and management options.
- B. Include common and scientific names of trees and pests.
- C. **Supplemental information** about the tree or forest health issue: e.g., origin, proliferation in Nebraska/United States, and physiological effects on the tree may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.
- D. Attach a separate label on the back of the display that includes the exhibitor's name and age.

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

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

D320012 Sustainable Landscape Diorama - Box must be no larger than 24" x 24". The exhibit must show a Nebraska landscape that includes elements such as windbreaks, fields, pastureland, CRP, public lands, community/municipal landscapes. The goal of this exhibit is for students

to articulate conservation and sustainability best-practices that can be implemented on a landscape, while addressing landowner and other stakeholder interests.

- A. **Label** point/nonpoint sources of pollution, carbon sequestration, water-wise practices, wildfire prevention strategies, renewable energy sources, and other conservation practices as well as at least 10 species of plants included in the diorama.
- B. **Attach** to the exhibit a brief report including supplemental information describing the diorama, defining conservation practices, and outlining opportunities for landscape improvements to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

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

- A. **Labeling:** the following information about the tree must be included in the display:
 - 1. common name
 - 2. scientific name
 - 3. planting location
 - 4. planting date
 - 5. tree source
 - 6. planter's name
 - 7. proper tree planting steps
 - 8. tree care (after planting)
- B. **Supplemental information** about the tree: e.g., why the species was chosen, growth measurements, uses for that species, etc., may be included in an attached notebook, poster, etc. to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

DEPARTMENT E - HEALTHY LIFESTYLES

NUTRITION, FOODS, AND FOOD PRESERVATION

RULES

- A. **GENERAL** - Members may exhibit only in the projects in which enrolled. It is suggested that baked products chosen for State Fair competition be baked fresh for the State Fair if time allows. Premier 4-H Science Award is available in this area at Nebraska State Fair.
- B. **LABELS FOR ALL FOOD PRODUCTS** - Each exhibit must include the recipe. Recipe may be handwritten, photocopied, or typed. Place food on the appropriately 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.
- C. **CRITERIA FOR JUDGING** - Exhibits will be judged according to score sheets available at the Extension office. Incomplete exhibits will be lowered a ribbon class. (Make sure to follow all entry instructions required for your exhibit.) Commercially prepared mixes are ONLY allowed in Cooking 201 Creative Mix Class. Prepared baking mixes, biscuit mixes, commercially prepared seasoning mixes for food preservation, or other pre-made mixes entered in other categories will be lowered a ribbon placing.
- D. **ENTER FOOD PROJECTS** in disposable materials, i.e., paper plate or plastic self-sealing bag. Ingredients that the 4-H member cannot legally purchase (such as beer, whiskey, rum, etc.) may not be used in any recipe or Foods exhibit. Exhibits that include alcohol in the recipe will be disqualified.
- E. **Ingredients:** Any ingredient that the 4-H member 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. Sourdough is categorized differently than standard yeast breads due to its unique leavening agent and fermentation process and may ONLY be entered in Cooking 201 Baking with Whole Grains, Cooking 401 Family Food Traditions, or Cooking 401 Ethnic Food Exhibit.
- F. **FOOD SAFETY.** Exhibits are on display for several days. Please think FOOD SAFETY! Items that require refrigeration will not be accepted, judged, or displayed as exhibits must be safe to eat when entered, whether they are tasted or not. Glazes, frostings and other sugar-based toppings are considered safe due to their high sugar content. Egg glazes on yeast breads and pie crusts BEFORE baking are acceptable. Eggs incorporated into baked goods and crusts are considered safe. The following food ingredients are considered unsafe for fair exhibits and will be disqualified:
- Egg or cream fillings and cream cheese frostings
 - Any meat item including meat jerky, imitation meat bits (bacon bits, pepperoni, etc).
 - Melted cheese on top of food exhibit (cheese mixed into baked goods is considered safe and will be accepted)
 - Uncooked fruit toppings (i.e., fresh fruit tart).
- G. **ONLY ONE ENTRY PER CLASS** for each 4-H'er at County and State Fair. If exhibiting at the State Fair, limit of three entries per exhibitor in Foods and Nutrition.

FOODS AND NUTRITION

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.75	\$1.50	\$1.25

4-H Cooking curriculum can be found here: [https://shop4-h.org/search?type=product&options\[prefix\]=last&q=healthy%20food%20curriculum*](https://shop4-h.org/search?type=product&options[prefix]=last&q=healthy%20food%20curriculum*)

CLASSES

- E350001 Food Science Explorations.** Open to any 4-H'er enrolled in a Foods and Nutrition project. Show the connection between food and science as it relates to food preparation, food safety, food preservation or food production. Exhibit may be a poster or foam core board (not to exceed 22" by 30"), computer-based presentation printed off with notes pages, if needed, and displayed in binder, an exhibit display, and a written report in portfolio or notebook. Consider neatness and creativity.
- E350002 Foods, and Nutrition Poster, Scrapbook, or Photo Display.** Open to any 4-H'er enrolled in a Foods and Nutrition project, involving a nutrition or food preparation technique or explore a career related to the food industry (Caterer, restaurant owner, food scientist, dietician, etc.). This might contain pictures, captions, and/or reports. Exhibit may be a poster or foam core board (not to exceed 22" by 30"), computer-based presentation printed off with notes pages, if needed, and displayed in binder, an exhibit display, and a written report in portfolio or notebook. Consider neatness and creativity.
- E350003 Physical Activity and Health Poster, Scrapbook, or Photo Display.** Open to any 4-H'er enrolled in a Foods and Nutrition project, involving a physical activity or explore a career-related to physical activity or health (personal trainer, sports coach, physical therapist, etc). This might contain pictures, captions, and/or reports to highlight the concept. Exhibit may be a poster or foam core board (not to exceed 22" by 30"), computer-based presentation printed off with notes pages, if needed, and displayed in binder, an exhibit display, and a written report in portfolio or notebook. Consider neatness and creativity.
- E350004 Cooking Basics Recipe Collection.** A collection of 10 recipes from any source. Each recipe must accompany a complete menu in which the recipe is used. An additional 10 recipes may be added each year the 4-H'er is in the project, with year clearly marked on recipes. Display in a recipe file or binder. Be sure to include the number of servings or yield of each recipe. This may be a continued recipe file project from the previously used 4-H curriculum before 2018. Exhibits that include recipes with alcohol (wine, beer, rum, etc.) will be disqualified.

CLASSES - COOKING 101 (Not eligible for State Fair)

- E401901L Cookies** (any recipe) - Four on a paper plate.
- E401902L Muffins** (any recipe) - Four on a paper plate.
- E401903L No Bake Cookies** (any recipe) – Four on a plate.
- E401904L Cereal Bar Cookie** - (cereal-based recipe made in pan, cut into bars or squares)
- E401905L Granola Bar** - (any recipe, 4 on a paper plate)
- E401906L Brownies** - (any recipe, 4 on a paper plate)
- E401907L Snack Mix** - (any recipe, at least 1 cup in a self-sealing plastic bag)

CLASSES - COOKING 201

- E410001 Loaf Quick Bread** any recipe, at least $\frac{3}{4}$ of a standard loaf displayed on a paper plate) Quick bread is any bread that does not require kneading or rising time and does NOT include yeast. A standard quick bread loaf measures approximately 8 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " or 9" x 5". If mini-loaf pans are used for exhibit, two loaves must be presented for judging.
- E410002 Creative Mixes** (any recipe, at least $\frac{3}{4}$ of baked product baked in a disposable pan or 4 muffins or cookies on a paper plate.) 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 poppyseed quick bread from a cake mix, cake mix cookies, Streusel Coffee Cake from a cake mix, etc.) **Write what you learned about making this product using a mix instead of homemade recipe or recipe "from scratch". Does it make it better or easier to use a mix? Why or why not.**
- E410003 Biscuits or Scones** - Four biscuits on a small paper plate. May be rolled, dropped, or cut into shape. Any recipe that is a non-yeast product baked from scratch.
- E410004 Healthy Baked Product** (any recipe, at least $\frac{3}{4}$ of baked product or 4 muffins or 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.).
- E410005 Coffee Cake** - any recipe or shape, non-yeast product -at least $\frac{3}{4}$ 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.
- E410006 Baking with Whole Grains** any recipe, at least $\frac{3}{4}$ 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, etc.)
Sourdough can go in this class.
- E410007 Non-Traditional Baked Product** exhibit must include a food product prepared using a non-traditional method (i.e., bread machine, cake baked in an air fryer, baked item made in microwave, etc.) Entry must be at least $\frac{3}{4}$ baked product, or 4 muffins or cookies on a paper plate. Entry must include supporting information that discusses alternative preparation method and how it compares with traditional method.

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.

CLASSES

- E411001 White Bread** (any yeast recipe or method other than bread machine) - At least $\frac{3}{4}$ of a standard loaf displayed on a paper plate.
- E411002 Whole Wheat or Mixed Grain Bread** (any yeast recipe or method other than bread machine). At least $\frac{3}{4}$ of a standard loaf displayed on a paper plate.
- E411003 Specialty Rolls** – (any yeast recipe) 4 rolls on a paper plate. May be sweet rolls, English muffins, kolaches, bagels or any other similar recipe that make individual portions. Recipe must include yeast.

- E411004 Dinner Rolls** – (any yeast recipe) 4 rolls on a paper plate. May be clover leaf, Crescent, knot, bun, bread sticks or any other type of dinner roll. *Recipes must include yeast.*
- E411005 Specialty Bread** - any yeast recipe, includes tea rings, braids, or any other full-sized specialty bread products. Must exhibit at least $\frac{3}{4}$ of a full-sized baked product. May be baked in a disposable pan.
- E411006 Shortened Cake** - NOT FROM A CAKE MIX! At least $\frac{3}{4}$ 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).

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.

CLASSES

- E412001 Double Crust Fruit Pie** - Made with homemade fruit filling. No egg pastries or cream fillings. NO canned fillings. May be a double crust, crumb, or lattice topping. Using an 8- or 9- inch disposable pie pan is recommended.
- E412002 Family Food Traditions** – (any recipe, at least $\frac{3}{4}$ 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.
Sourdough can go in this class.
- E412003 Ethnic Food Exhibit** (any recipe, at least $\frac{3}{4}$ 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.
Sourdough can go in this class.
- E412004 Candy**- any recipe, 4 pieces of candy on a paper plate or $\frac{1}{2}$ cup. No items containing cream cheese will be accepted (Example: cream cheese mints). Candy may be cooked or no cook; dipped, molded, made in the microwave or other methods of candy preparation. Recipe must be included.
- E412005 Foam Cake** original recipe (no mixes) of at least $\frac{3}{4}$ of the cake. Foam cakes are cakes that have a high ratio of eggs to flour and fall into three categories: angel food cakes or meringues; sponge or jelly roll cakes; and chiffon cakes. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frostings allowed).
- E412006 Specialty Pastry** any recipe, at least $\frac{3}{4}$ 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.

COOKIE JAR DECORATING - NOT ELIGIBLE FOR STATE FAIR

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

GUIDELINES

- A. Cookie Jar Decorating is open to any 4-H member. Jar of homemade cookies made from different kinds of batters and dough.
- B. Jar may be either glass or plastic and may be decorated as desired by the contestant. Greenware and ceramics are not allowed. Judging will include appearance and creativity. Jars count 75%, cookies 25%.
- C. Clearly label jars to show the types of cookies (ex: Snicker doodle, Chocolate Chip, etc.)
- D. **Grant County-** Youth must be present to show jar at Auction, or it will not be auctioned.

CLASSES

C253001L Senior Cookie Jar - 13 years of age and older. One gallon jar with at least two (2) kinds of cookies.

C253002L Junior Cookie Jar - 12 years of age and younger. One-half gallon or gallon jar with at least two (2) kinds of cookies.

CAKE DECORATING - NOT ELIGIBLE FOR STATE FAIR

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

GENERAL INFORMATION: Exhibitors should be enrolled in Cake Decorating. At least one (1) inch should be allowed around the edge on all cake boards and display boards to allow for ease of handling. Decorator frosting refers to any frosting used that is NOT fondant.

CLASSES - CAKE DECORATING - UNIT 1: *Designed for 4-H youth in their first or second year in the project.* Specify on a 3" x 5" the occasion of the cake, cupcake, or cookies; number and name of the tip(s) used; decorating techniques used; type of frosting - decorator frosting, fondant, combination; other items used in decoration – candies, etc.; number of years in cake decorating.

E420001L One-layer decorated cake using two decorating tips and frosting – no fondant

E420002L Novelty cake using character or shaped pans or built by 4-H youth; using two decorating tips (additional food items such as candies, coconut, etc., are allowed at this level)

E420003L Four decorated cupcakes – may use decorator frosting or fondant, use at least two tips, may use other food items.

E420004L Six decorated sugar cookies

CLASSES - CAKE DECORATING - UNIT 2: *For 4-H youth who have one or two years of experience in cake decorating and are ready to try new challenges and techniques.* Specify on a 3" x 5" card the occasion for cake, cupcake, or cookies; number and names of tips used; type of frosting – decorator, fondant, combination; number of years in cake decorating.

E420007L Two-layer cake - frosted using decorator frosting including smoothing techniques or fondant. Show 3-5 techniques (limited to the following tips: round, star, basket weave, leaf, drop flower and rose) or decorate with fondant decorating techniques.

E420008L Novelty cake using character or shaped pan, or one built by 4-H youth. Use 3 or more tips and decorator frosting or fondant, no additional food items allowed at this level.

E420009L Four decorated cupcakes with filling - use decorator frosting and/or fondant, and at least 3 tips. Refer to the General Rules for safe and unsafe filling ingredients.

CAKE DECORATING – UNIT 3: *4-H youth who have four or five years of experience in cake decorating and may be interested in a career as a pastry chef.* Specify on a 3" x 5" occasion for cake, cupcake, or cookies; number and name of the tip(s) used; decorating techniques used; type of frosting – decorator, fondant, or combination.

CLASSES

E420015L 2 or 3-tiered, stacked cake or combination tiered or stacked using decorator frosting and/or fondant. Each tier or stack must be two layers. Plastic separators, columns, etc. may be used. Make sure cake is on a sturdy cake board so it can be safely moved.

E420016L Original shaped cake made by 4-H youth from a cut-up cake. May decorate using frosting, fondant, and other decorating food items such as sugar sheets, and unlimited tips.

E420017L Special Design (example: gingerbread house) must be a food item.

FOOD PRESERVATION

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

4-H FOOD PRESERVATION Series Curriculum: <https://shop4-h.org/pages/search-results-page?q=food+preser>

GENERAL RULES

- A. **PROCESSING METHODS:** Current USDA processing methods and altitude adjustments must be followed for all food preservation. Jam preserves and marmalades, fruit, tomatoes and pickled products must be processed in a boiling water bath. (Tomatoes may be processed in a pressure canner.) All non-acid vegetables and meats must be processed in a pressure canner. Improperly canned or potentially hazardous food items will be disqualified. Spoiled or unsealed container disqualifies entry.
- B. **JARS AND LIDS:** Jars do not need to be the same brand. Half pint jars may be used for jellies and preserves. The jars are not to be decorated by the exhibitor in any way. Canning jars must be used - others will be disqualified. No one-fourth pint jars allowed. Leave jar rings on for fair display, it helps protect the seal. Two-piece lids consisting of a flat metal disk and a ring should be used. No zinc lids or one-piece lids.
- C. **CURRENT PROJECT:** Exhibits must have been preserved since the member's previous year's county fair, and not been exhibited at the previous State Fair.
- D. **CRITERIA FOR JUDGING:** Exhibits will be judged according to score sheets available at your local Extension office or the State Fair book at <https://4hfairbook.unl.edu/fairbookview.php/rules>. Incomplete exhibits will be lowered a ribbon class. Canned food items not processed according to altitude in the county will be lowered one class ribbon. Check with your local extension office or this site <https://food.unl.edu/elevation-and-food-preservation/> for your county's altitude and how that affects food processing times and pounds of pressure.

- E. **LABELING:** Jars should be labeled with the name of the food item, name of the 4-H'er, county, and date of processing on the bottom of each jar print labels from <https://go.unl.edu/canninglabel>. Exhibits containing multiple jars such as a "3 jar exhibit" should be placed in a container to keep jars together. Each bag containing dried foods should also be labeled with the name of the food item, the name of the 4-H'er, county and drying date. Multiple dried food exhibits should be secured by a rubber band or "twisty" to keep exhibit containing the 3 self-sealing bags together. 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).
 9. Recipe and source of recipe (if a publication, include name and date).
- F. **RECIPE/SUPPORTING INFORMATION:** Recipe must be included, and may be handwritten, photocopied or typed. Commercially prepared seasoning mixes are not allowed. Current USDA guidelines for food preservation methods MUST be followed. Suggested sources of recipes include:
- 4-H Food Preservation Manuals (Freezing, Drying, Boiling Water Bath Canning, Pressure Canning)
 - USDA Guide to Home Canning <https://nchfp.uga.edu/>
 - Nebraska Extension's Food Website <https://food.unl.edu/food-preservation> or Extension publications from other states
 - Ball Blue Book (published after 2009)
- G. **ONLY ONE ENTRY PER CLASS** for each 4-H'er at County Fair. If exhibiting at the State Fair, each 4-H'er is limited to a total of two (2) exhibits (each in a different class) in food and nutrition and two (2) exhibits (each in a different class) in food preservation area.

CLASSES - UNIT 1 FREEZING PROJECT MANUAL

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

CLASSES - UNIT 2 DRYING PROJECT MANUAL

- E407001 Dried Fruit** - Exhibit 3 different examples of dried fruits. Place each dried fruit (6-10 pieces of fruit, minimum of 1/4 cup) in a self-sealing bag. Use a rubber band or "twisty" to keep exhibit together.
- E407002 Fruit Leather** - Exhibit 3 different example of 3 different fruit leathers. Place a 3-4" sample of each fruit leather in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

- E407003 Vegetable Leather** - exhibit 3 different examples of 3 different vegetable or vegetable/fruit leather combo. Place a 3-4" sample of leather together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.
- E407004 Dried Vegetables** - Exhibit 3 different samples of dried vegetables. Place each food (1/4 cup of each vegetable) in a self-sealing bag. Use a "twisty" tie to keep exhibit together.
- E407005 Dried Herbs** - Exhibit 3 different samples of dried herbs. Place each food (1/4 cup of each vegetable) in a self-sealing bag. Use a "twisty" tie to keep exhibit together.
- E407006 Baked Item Made with Dried Produce/Herbs** any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. Maybe 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: All entries must be processed in the boiling water bath according to the current USDA recommendations.

CLASSES

- E408001 1 Jar Fruit Exhibit** - One jar of a canned fruit.
- E408002 3 Jar Fruit Exhibit** - Exhibit 3 jars of different canned fruit. May be three different techniques for same type of product, ex: applesauce, canned apples, apple pie filling, etc.
- E408003 1 Jar Tomato Exhibit** - One jar of a canned tomato product.
- E408004 3 Jar Tomato Exhibit** - Exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.)
- E408005 1 Jar Pickled Exhibit** - One jar of a pickled and/or fermented product.
- E408006 3 Jar Pickled Exhibit** - Three jars of pickled and/or fermented products.
- E408007 1 Jar Jelled Exhibit** - One jar of a jam, jelly, or marmalade. See Rule C for special labeling instructions.
- E408008 3 Jar Jelled Exhibit** - Three different kinds of jellied fruit 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: All entries must be processed in the pressure canner according to the current USDA recommendations.

CLASSES

- E414001 1 Jar Vegetable or Meat Exhibit** - One jar of a canned vegetable or meat.
- E414002 3 Jar Vegetable Exhibit** - Three jars of different kinds of canned vegetables.
- E414003 3 Jar Meat Exhibit** - Three jars of different kinds of canned meats.
- E414004 Quick Dinner** - 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 a complete menu on 3 x 5 file card and attach to one of jars.
- E414005 Jar Tomato Exhibit** - One jar of canned tomato product.

E414006 3 Jar Tomato Exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.).

FAVORITE FOODS – NOT STATE FAIR ELIGIBLE

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

4-H'ers plan a meal for a special occasion, prepare one food item from the menu and decorate a table according to their chosen theme. Each contestant will be interviewed by the judge. Questions will be asked about the favorite food, menu, and nutritional value of the meal, centerpiece, and place setting. Information on nutrition requirements can be found in various 4-H food project manuals. The Fast Foods manual and many cookbooks have information on menu planning and place settings.

RULES

- A. Select and prepare one food item at home prior to the contest (does not have to be from project manuals). A copy of the recipe must be included in the display. Remember: Food Safety. Participants must be able to maintain proper temperature of prepared foods as the judge will taste the product.
- B. Display must include table covering, place setting for one individual, recipe, menu, prepared food item and a centerpiece pertaining to the theme.
- C. Parents and leaders may assist in carrying articles for display, but 4-H'ers are to set up their own display. Depending on where the contest will be held, contestants may need to provide a card table for display.
- D. The prepared food may be displayed as the whole product, or as one serving.
- E. The contest is divided into Junior: 4-H age 8-12; and Senior: 4-H age 13 and older as of January 1 of current year.
- F. Entries will be judged on food preparation, menu planning, meal management, nutrition, table setting, food, and creativity of the display. The score card will be available for review by contestants.

CLASSES

E425001L Favorite Foods - Junior (8-12 yrs.)

E425002L Favorite Foods - Senior (13 yrs. and up)

4-H CULINARY CHALLENGE CONTEST

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

PURPOSE OF THE CONTEST: A challenge ingredient will be selected each year, highlighting a Nebraska commodity food product. **The 2025 challenge ingredient is Pork.** The 4-H Culinary Challenge Contest will require youth to demonstrate healthy decision making through nutrition, food preparation, menu planning, and food safety. They will apply healthy living knowledge and skills by planning a nutritious menu, demonstrating their understanding of time management skills in the kitchen, and expressing their originality and creativity through an appropriately themed and properly set table. To showcase these skills, youth will create a menu, prepare a food item, and choose an appropriate theme for their occasion while expressing their food, nutrition, and food safety knowledge during a live interview with a judge at the contest. In order to highlight knowledge and skills acquired during pre-contest preparation, youth will utilize technology as part of their interview.

County Contest: Contact your local UNL Extension Office to determine if a county contest will be held. Participants are not required to participate in a county contest to participate in the state contest.

State Contest: Teams of two 4-H members will have the opportunity to participate in the 4-H Culinary Challenge Contest. Teams will be determined by the oldest 4-H'ers age and will be placed as follows:

CLASSES

F500010 - Junior: Ages 8-10

F500097 - Intermediate: Ages 11-13

F500098 - Senior: Ages 14-18

	SAFETY			
AWARDS	Purple	Blue	Red	White
	\$3.00	\$2.50	\$2.00	\$1.50

Youth Printed Materials: <https://marketplace.unl.edu/extension/bebraska-4-h-curriculum/citizen-safety.html>

CLASSES - FIRST AID KIT

E440001 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 items should cover the following areas: airway and breathing, bleeding control, burn treatment, infectious disease protection, fracture care and miscellaneous supplies. Use citizen Safety manual, 4-H 425, pg. 6&7 for guidance. Any kit containing any of the following will be automatically disqualified:

1. Prescription medications (if the purpose of the kit is to provide medication for someone with special needs, explain in the written description and inventory, but remove the medication).
2. Any materials with expiration dates on or before the date of judging. (This includes sterilized materials, non-prescription medications, ointments, salves, solutions, etc. Articles dated month and year only are considered expired on the last day of that month.)
3. Any controlled substance.

E440002 Specific Purpose First Aid Kit - A first aid kit is a good way to organize supplies in an emergency in a variety situations and locations. The kit should be assembled in a container appropriate for the kit's intended purpose. Examples could include a kit for a vehicle, recreational vehicle, boat, livestock building, camping etc. A description of where the kit will be stored and examples of specific emergencies expected for that location should be included in the exhibit. The kit should include a written inventory and purpose statement for included items. Items included should be relevant to the kit's intended purpose. Consider items needed to cover the following areas of first aid: airway and breathing, bleeding control, burn treatment, infectious disease protection.

E440003 A **Disaster Kit (Emergency Preparedness)** 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 individual contents are 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 the experience in kit documentation. Please include a short explanation of water needs for your disaster kit. Do not bring actual water to the fair in the kit.

E440004 The **Safety Scrapbook** will contain 15 news articles from print and/or internet sources about various incident types. Mount each clipping on a separate page and accompanied by a description of events leading to the accident and measures that might have prevent this kind of accident. The Scrapbook should be bound in a standard size hardcover binder or notebook for 8 ½ " x 11" size papers. Correct sentence structure, readability and thorough explanations are an important part of judging.

- E440005 Safety Experience** 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 lasting up to five minutes.
- E440005 Careers in Safety** 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 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 lasting up to five minutes.

CLASSES – FIRE SAFETY

- E450001 Fire Safety Poster** 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 no larger than 22" x 28"
- E450002 Fire Safety Scrapbook** will contain at least 10 news articles from both print and/or internet sources about fires to residential or commercial properties or landscapes. Mount each clipping on a separate page accompanied by a description of events leading to the incident and any measures that might have prevented it. The Scrapbook should be bound in a standard size hardcover binder or notebook for 8 ½" x 11" size paper. Correct sentence structure, readability and thorough explanations are an important part of judging.
- E450003 Fire Prevention Poster** should promote a fire prevention message and be appropriate to display during National Fire Prevention Week or to promote fire safety at specific times of the year (Halloween, 4th of July, etc.). Originality, clarity, and artistic impression will all be judged. Do not include live fireworks, matches or other flammable/explosive/hazardous materials. Any entry containing this material will be disqualified. Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28".

DEPARTMENT F - ENTREPRENEURSHIP

ESI: ENTREPRENEURSHIP INVESTIGATION

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

Printed materials can be found at:

<https://marketplace.unl.edu/extension/catalogsearch/result/?q=entrepreneurship>

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.

Exhibit Guidelines:

- 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 the posters.
- Posters 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.

CLASSES - ESI UNIT 1 DISCOVER THE E-SCENE (For classes 1-3, follow guidelines for posters)

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

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

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

F531004 Sample of an Original Product with an information sheet (8 ½" x 11") answering the following questions:

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

If exhibiting in both Class F531004 and Class F531005, products must be entirely different products.

F531005 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:

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

F531006 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 list below. The exhibit will include highlights from the selected challenges. Consider labeling each challenge so the viewer will understand what the challenge was. Enter a poster, video (or other digital presentation), report, or scrapbook related to the learning from the challenge. Use your creativity to show and share what you learned.

Select five (5) challenges from the list below:

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

DEPARTMENT G - PLANT SCIENCE

HORTICULTURE

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

FLORICULTURE

GENERAL INFORMATION

- A. 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 office personnel. Horticulture does not need to be listed out on the fair entry sheets. Entry tags available at: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/> **One entry per class number per exhibitor.** Exhibits entered under an incorrect class number or containing an incorrect number of flowers will be lowered 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 classes 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. Use plain jars or bottles for cut flower entries. At State Fair containers will not be returned.
- B. **CUT FLOWERS:** All 3 or 5 stems of cut flowers should be the same cultivar and color, do not mix cultivars and colors. Containers will not be judged; however, they should be CLEAR GLASS CONTAINERS that won't tip over (No plastic containers at State Fair) and of adequate size to display blooms. Any exhibit not in a clear glass container will be dropped one ribbon placing. NO SCREW ON LIDS OR SCREW ON RINGS AND FLATS MAY BE USED. To hold flowers in place it is suggested to use tin foil or a type of plastic wrap with holes poked into it or frog lids. Containers may not be returned from State Fair.
- C. **FLORICULTURE, EDUCATIONAL EXHIBITS & HOUSEPLANTS:** Can exhibit up to 10 total classes, however, can only show a maximum of 4 classes for State Fair. Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hhorticulture>. **ANNUALS & BIENNIALS** - FIVE stems of a single variety (cultivar) unless otherwise noted in parenthesis.

CLASSES

- G770001 Aster
- G770002 Bachelor Buttons
- G770003 Bells of Ireland
- G770004 Browallia
- G770005 Calendula
- G770006 Celosia (crested or plume, 3 stems)
- G770007 Cosmos
- G770008 Dahlia

- G770009 Dianthus**
- G770010 Foxglove**
- G770011 Gladiolus (3 stems)**
- G770012 Gomphrena**
- G770013 Hollyhock (3 stems)**
- G770014 Marigold**
- G770015 Pansy**
- G770016 Petunia**
- G770017 Salvia**
- G770018 Snapdragon**
- G770019 Statice**
- G770020 Sunflower (under 3" diameter – 5 stems, 3" or more in diameter- 3 stems)**
- G770021 Vinca**
- G770022 Zinnia**
- G770023 Any other annual or biennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)**

PERENNIALS - FIVE stems of a single variety (cultivar) unless otherwise noted in parentheses.

CLASSES

- G770030 Achillea/Yarrow**
- G770031 Chrysanthemum**
- G770032 Coneflower**
- G770033 Coreopsis**
- G770034 Daisy**
- G770035 Gaillardia**
- G770036 Helianthus**
- G770037 Hydrangea (3 Stems)**
- G770038 Liatris (3 stems)**
- G770039 Lilies (3 stems, not Daylilies)**
- G770040 Platycodon**
- G770041 Rose (3 stems)**
- G770042 Rudbeckia/Black-eyed Susan**
- G770043 Sedum**
- G770044 Statice**

- G770045** Any other perennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems; do not duplicate entries in classes 30-43)
- G770046** **4-H Flower Garden Collection of 5 different cut flowers.** Flowers are to be cut, not potted. Each flower in the collection should be exhibited with the number specified for classes 1-45. Display in a box or other holder not more than 18" in any dimension. Boxes will not be returned at State Fair. Do not duplicate entries in classes 1-45 with any in the group collection.

CLASSES - EDUCATIONAL EXHIBITS

- G770050** **Flower Notebook** - exhibit a notebook containing pictures of flowers grown in Nebraska. There must be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. The notebook must be the result of the current year's work. You may show more than one cultivar of the same species, but they will only count as one species. 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 (example needs full sun and dry sandy soil) the species prefers. Bulbs may be included in a separate section. In addition to this information, bulbs should also be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H'er's name, age, county, and years in the project(s) must be on the back of the notebook.
- G770051** **Flower Garden Promotion Poster** - individual poster promoting vegetable and/or flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayons, 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, and county must be on the back of the poster.
- G770052** **Educational Flower Garden Poster** - prepare a poster no larger than 24" x 24" x 2" (3-dimensional if needed) either vertical or horizontal illustrating a skill or project you have done or learned about in a 4-H flowers or houseplant project. You might show a special technique you use or equipment you have incorporated in your 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, years in the flower project(s) and county must be on the back of the poster.
- G770053** **Flower Gardening History Interview** - neatly handwritten or typed account of a gardening history interview whose flower garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their flower garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, and county must be on the back of the report cover.

HOUSEPLANTS:

Container Grown Houseplants - The choice of container and soil quality will be considered in judging. Each houseplant must be identified by listing the names on the entry tag or on a card attached to the container. Identify each plant individually if more than one cultivar or variety. Houseplants should be grown in the display container for a minimum of six weeks. Plants grown as houseplants must be used. Neb Guide G1853 (<http://extensionpublications.unl.edu/assets/pdf/g1853.pdf>) includes a listing of

common houseplants found in Nebraska. NebGuide G2205G1853 “Guide to Growing Houseplants” (<http://extensionpublications.unl.edu/assets/html/g2205/build/g2205.htm>) and NebGuide 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 (i.e., petunias, geraniums, impatiens), will be disqualified and will not be judged.**

- A. Entries in Classes 60-66 must have been designed and planted by the 4-H member.
- B. Any container plant, (flowering or foliage potted houseplants, dish gardens, fairy or miniature gardens, desert gardens, or terrariums) shall be in containers no larger than 12 inches (use inside opening measurement) in any dimension of length or width. No combination of pots may be used. All potted plants are to be in a one pot container. Any container grown plant in Classes 60-66 that does not follow these guidelines will be dropped one ribbon placing.
- C. Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H members name, age, county, and years in the project(s) must be on the bottom or back of the container and saucer.

CLASSES

- G770060 Flowering potted houseplant(s)** that are blooming for exhibition. Container may have one or more houseplants in container. Label with name for each plant. Non-blooming plants will be disqualified.
- G770061 Foliage potted houseplant-** one variety of tropical or cacti or succulent plant.
- G770062 Hanging basket** of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label with name for each plant.
- G770063 Dish garden** - an open/shallow container featuring a variety of houseplants excluding cacti and succulents. Label with name for each plant.
- G770064 Fairy or Miniature Garden** consist of 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. Label with name for each plant.
- G770065 Desert garden** - an open/shallow container featuring cacti and/or succulents grown as houseplants. Label with name for each plant.
- G770066 Terrarium** - a transparent container, partially or completely enclosed; sealed or unsealed. Label with name for each plant.

VEGETABLES, HERBS & FRUITS

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

GENERAL INFORMATION

Youth enrolled in Everyone a Gardener, See Them Sprout, Let's Get Growing, Take Your Pick, or Growing Profits Projects can exhibit **up to 10 classes** but can only show in a maximum of 4 different classes for State Fair. One entry per person per 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 office personnel. Exhibits entered under an incorrect class number or containing an incorrect number of vegetables will be dropped one ribbon placing. In classes 252, 255, 268, 269, 285, and 286 do not duplicate entries from any of the other classes or entry will be dropped one ribbon placing. For example: 4-H'ers with two cultivars or varieties of red tomatoes can only enter the red tomatoes class and cannot enter the other cultivar or variety in any other vegetable class.

Entry Tags can be found at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>

CLASSES – VEGETABLE, # TO EXHIBIT

- G773201 Lima Beans, 12**
- G773202 Snap Beans, 12**
- G773203 Wax Beans, 12**
- G773204 Beets, 5**
- G773205 Broccoli, 2**
- G773206 Brussels Sprouts, 12**
- G773207 Green Cabbage, 2**
- G773208 Red Cabbage, 2**
- G773209 Carrots, 5**
- G773210 Cauliflower, 2**
- G773211 Slicing Cucumbers, 2**
- G773212 Pickling Cucumbers, 5**
- G773213 Eggplant, 2**
- G773214 Kohlrabi, 5**
- G773215 Muskmelon/Cantaloupe, 2**
- G773216 Okra, 5**
- G773217 Yellow Onions, 5**
- G773218 Red Onions, 5**
- G773219 White Onions, 5**

G773220 Parsnips, 5
G773221 Bell Peppers, 5
G773222 Sweet (Non-Bell) Peppers, 5
G773223 Jalapeno Peppers, 5
G773224 Hot (Non-Jalapeno) Peppers, 5
G773225 White Potatoes, 5
G773226 Red Potatoes, 5
G773227 Russet Potatoes, 5
G773228 Other Potatoes, 5
G773229 Pumpkins, 2
G773230 Miniature Pumpkins (Jack Be Little Type), 5
G773231 Radish, 5
G773232 Rhubarb, 5
G773233 Rutabaga, 2
G773234 Green Summer Squash, 2
G773235 Yellow Summer Squash, 2
G773236 White Summer Squash, 2
G773237 Acorn Squash, 2
G773238 Butternut Squash, 2
G773239 Buttercup Squash, 2
G773240 Other Winter Squash, 2
G773241 Sweet Corn (in husks), 5
G773242 Swiss Chard, 5
G773243 Red Tomatoes (2" or more in diameter), 5
G773244 Roma or Sauce-type Tomatoes, 5
G773245 Salad Tomatoes (under 2" diameter), 12
G773246 Yellow Tomatoes (2" or more in diameter), 5
G773247 Turnips, 5
G773248 Watermelon, 2
G773249 Dry Edible Beans, 1 pint
G773250 Gourds, mixed types, 5
G773251 Gourds, single variety, 5

G773252 **Any other vegetable that doesn't fit in any other class (2, 5 or 12)** G773255 4-H Vegetable Garden Collection of five kinds of vegetables. Displayed in a box not more than 24" in any dimension. At State Fair, boxes may not be returned. 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 Classes 201-251. Do not duplicate entries in Classes 201-251 with any in the group collection.

G773255 **4-H Vegetable Garden Collection** of five kinds of vegetables. Display Garden Collection in a box not more than 24" in any dimension. Boxes may not be returned from State Fair. Showmanship will be considered in judging, but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252). Do not duplicate entries in classes 201-252 with any in the group collection.

G773256 **4-H Cultivar Vegetable Collection.** Vegetables entered in the collection are 5 cultivars from a single exhibit: for example, 5 cultivars of all types of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24" in any dimension. Boxes may not be returned from State Fair. Showmanship will be considered in judging; but plastic grass, cotton figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-251).

HERBS: Herbs will be judged using the same general criteria used for vegetables. Those grown mainly for their seed, such as dill and caraway, should be exhibited on a plate. Those grown for their leaves such as basil, parsley, etc. should be exhibited in a container of water. Containers will not be returned at State Fair. Potted herb plants will be disqualified and will not be judged.

CLASSES – HERB, # TO EXHIBIT

G773260 **Basil, 5**

G773261 **Dill (dry), 5**

G773262 **Garlic (bulbs), 5**

G773263 **Mint, 5**

G773264 **Oregano, 5**

G773265 **Parsley, 5**

G773266 **Sage, 5**

G773267 **Thyme, 5**

G773268 **Any other herb, 5 (do not duplicate entries in classes 260-267)**

G773269 **4-H Herb Garden** - display of 5 different cut herbs. Herbs are to be cut, not potted. Displayed in a box or other holder not more than 18" in any dimension. Boxes may not be returned from State Fair. Each herb in the collection should be exhibited with the number specified for Classes 260-268. Do not duplicate entries in Classes 260-268 with any in the group collection.

FRUITS: 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.

CLASSES HERB, # TO EXHIBIT

G773280 Strawberries (everbearers), 1 pint

G773281 Grapes, 2 bunches

G773282 Apples, 5

G773283 Pears, 5

G773284 Wild Plums, 1 pint

G773285 Other small fruit or berries, 1 pint

G773286 Other fruits or nuts, 5

CLASSES - EDUCATIONAL EXHIBITS

G773290 Garden Promotion Poster - individual poster promoting vegetable or herb gardening, size 14 x 22" either vertical or horizontal arrangement. Poster may be in any medium so long as 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, and county must be on the back of the poster.

G773291 Educational Vegetable or Herb Garden Poster - prepare a poster no larger than 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal illustrating a skill or project you have done or learned about in a 4-H vegetable gardening project. You might show a special technique you use or equipment you have incorporated in your 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, and county must be on the back of the poster.

G773292 Vegetable and/or Herb Gardening History Interview - neatly handwritten or typed account of a gardening history interview of someone whose vegetable or herb garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, and county must be on the back of the report.

G773293 Vegetable Seed Display - Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families plus representatives from 5 other families. Group the seeds by family and type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster board no larger than 22" x 24". Label each group and each individual vegetable type with the 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 reference on where the scientific name information was found. On the back, label with the 4-H'ers name, age, years in the garden project, and county. Information on vegetable family members can be obtained from the Extension office.

G773294 World of Vegetables Notebook - Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g., Mexican, African, Chinese, Italian, etc.). Include a report talking 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 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 small 3-ring notebook. The 4-H member's name, age, years in the garden project, and county must be on the back cover of the report.

CLASSES - SPECIAL GARDEN PROJECT

The 2025 Special Gardening Project changes annually. More information may be found at:

<https://4h.unl.edu/statewide-events-opportunities/special-garden-project/>

- G775001 Special Garden Project Educational Exhibit** – Educational exhibit based on what was learned from the project. Present information on a poster 14" X 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, and county must be on the back of the poster or report cover.
- G775002 Special Garden Project fresh Cut Flowers, Herbs or Harvested Vegetables** - The current years' Special Garden Project should be entered in this class. Refer to classes 001-044 for quantity to exhibit if special garden project is a fresh cut flower. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. Flowers and herbs must be cut not potted.

AGRONOMY (Crops and Range)

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

The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection. For guidelines on specific projects, refer to appropriate project manuals. Scoresheets, forms, contest study materials and additional resources can be found at <https://go.unl.edu/ne4hagronomy>.

An explanation of projects and curriculum resources can be found at <https://4h.unl.edu/resources/projects/>.

CROP PRODUCTION - GENERAL INFORMATION

- A. Individuals in the Crop Production, Field Crop Projects (4-H 46) may exhibit grain or plants or prepare an educational display representing their project. 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.
- B. **IMPORTANT:** A two-page (maximum) essay must accompany grain and plant exhibits. The essay must include the exhibitors name and, 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.

- 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, except for ears of corn, must be the result of the current year's project.
 - 1. Corn 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
 - 2. Grain Sorghum - 4 stalks (cut at ground level and bound together)
 - 3. Soybeans - 6 stalks (cut at ground level and bound together)
 - 4. Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
 - 5. 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.

CLASSES

G750001 **Corn** (includes yellow, white, pop, waxy, or any other type)

G750002 **Soybeans**

G750003 **Oats**

G750004 **Wheat**

G750005 **Any other crop** (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)

CROP PRODUCTION DISPLAYS

- A. The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 24" wide by 24" tall on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, and county on back side. Explain pictures and graphs clearly and concisely. Consider creativity and neatness.
- B. Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor's name outside.

CLASSES

G750006 **Crop Production Display** - The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, pest management.

G750007 **Crop Technology Display** - Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.

G750008 **Crop End Use Display** - Display information about the final product or end uses for a crop, such as food, feed, fuel, or other products. (i.e., corn can be processed into livestock feed, ethanol, plastics, etc. or soybeans can be processed into biodiesel, pet bedding, crayons, oil, etc.)

- G750009 Water or Soil Display** – Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources,
- G750010 Career Interview Display** – The purpose of this class is to allow youth to investigate a Career in agronomy. Youth should interview 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.
- G750011 Special Agronomy Project - Educational Exhibit (SF259)**- Educational exhibit based on what was learned from the project. Present information on a poster 14" X 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, and county must be on the back of the poster or report cover. Refer to Scoresheet SF259 Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used.
- G750012 Special Agronomy Project -Video Presentation** - 4-H exhibitor designs a multimedia presentation related to the crop. This could include narration of the growing process, presenting facts about the crop or any other innovative multimedia practices. The presentation should be at least 2 minutes in length and no more than 5 minutes in length, appropriate graphics, sound and either a video clip, animation, or voice over and/or original video clip. Any of the following file formats will be accepted: mp4, .mov, .ppt, or .viai. Email a link of the video to the superintendents to anygren2@unl.edu or brandy.vandewalle@unl.edu by August 10th.
- G750013 Special Agronomy Project (Freshly Harvested Crop).** Plant exhibits must be the result of the current year's project. Depending on the type of crop selected for the current year:
- Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
 - Grain Sorghum - 4 stalks (cut at ground level and bound together)
 - Soybeans - 6 stalks (cut at ground level and bound together)
 - Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
 - Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level.
- Supporting documentation (½ to 1-page in length) should include the following:
- Economic Analysis and/or research that supports feasibility of this crop in Nebraska or how the crop has evolved over time.
 - Other topics to discuss are past/current commercial production of this crop. This includes: the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season about this crop and what you learned from your crops project. This ½ to 1-page summary counts as 50% of the total when judged.
 - In addition to the summary, grain and plant exhibits will be judged on condition, appearance (i.e., disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit.
 - The crop of the year for 2025 is Sunflowers.

WEED SCIENCE - GENERAL RULES

- A. Any 4-H'er in the *Conservation, Environment 1,2, or 3; Range, Reading the Range 1; 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 the specimens must represent this year's work. For assistance identifying plants, participants can use the Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994) or Weeds of the Great Plains (2003).
- B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness and conformity to exhibit requirements.
- C. 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. 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 very neatly.

CLASSES

- G751001 Weed Identification Book** – A collection of a minimum of 15 plant mounts and including at least two of the following prohibited noxious weeds (Canada thistle, leafy spurge, musk thistle, plume less thistle, salt cedar, purple loosestrife, diffuse knapweed, spotted knapweed Japanese knotweed, giant knotweed, sericea lespedeza, bohemian knotweed or phragmites), and at least five weeds that are a problem primarily in lawns.
- G751002 Life Span Book** - A collection of 7 perennial, 1 biennial and 7 annual weeds.
- G751003 Weeds Display** - The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as the effects of weed control, herbicide-resistant weeds, what makes a weed a weed, or uses for weeds. 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 24" by 24" on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, and county on back side. Explain pictures and graphs clearly and concisely. 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.

DEPARTMENT H – HORSE

AWARDS	Purple	Blue	Red	White
	\$6.00	\$5.00	\$4.00	\$3.00

HORSE RESOURCES

2023 Nebraska 4-H Horse Show & Judging Guide (rulebook that shows will abide by):

<https://marketplace.unl.edu/extension/catalogsearch/result/?q=Horse+Judging+Guide>

4-H Horse Project Member Manual: <https://marketplace.unl.edu/ne4h/horsemanual.html>

4-H Horse Project Advancement Level: <https://marketplace.unl.edu/ne4h/4-h-horse-project-advancement-level.html>

IMPORTANT DEADLINES

JUNE 15

- **Enroll in 4-H** at v2.4honline.com
- **Select Projects**

JULY 1

- **FAIR ENTRIES and Horsemanship Level Tests DUE.** Any entries submitted July 2-5 will pay a \$10 late fee per horse, and no entries will be accepted after that. Entry forms are available at <https://extension.unl.edu/statewide/centralsandhills/2025-fair-book-for-central-sandhills-area/>
- **Horse ID's DUE.** No horse ID's will be rolled over this year. Everyone must submit new horse IDs for each horse they will be showing. Members going to the state horse show will need IDs turned in June 1st. Any ID's submitted July 2-5 will pay a \$10 late fee per horse.

AUG 1

- **Horse Advancement Levels due to the office.** If your show is before August 1st, they are due the day of the show.

GENERAL RULES

To exhibit at county fair, youth are required to complete and pass the skills (riding) test for 4-H Horsemanship Advancement Level 1. To fully complete the Horsemanship Advancement Level 1, the 4-Her would need to complete a demonstration, written examination, and skills test. Youth that want to compete in 4-H roping classes must complete all components of horse levels 1 **and** 2. More information on the horsemanship levels can be found at 4h.unl.edu/horse-advancement.

Horse ID's may be checked before the beginning of the show.

Show Superintendents reserve the right to combine age divisions to be judged together if a class has three kids or less. Combined classes will be announced before the show. All exhibitor age groups will show together in Halter Classes.

A horse can be used in in all classes by more than one 4-H member if the horse is properly identified to each member and is SHOWN IN DIFFERENT AGE DIVISIONS.

NOTE: Clover Kids (5-7) may not participate in the Horse project in any capacity. The 4-H Policy and Procedure Handbook (<https://4h.unl.edu/policy-handbook>) states horse projects are not appropriate for the Clover Kid age group.

High point for each county fair horse show will be calculated as follows: purple ribbons will be worth 4 points, blue worth 3 points, red worth 2 points, and white worth 1 point. Placing in Western Horsemanship will break any ties. If a second tiebreaker is needed, Showmanship will be used. Only one pleasure (western, pony, futurity) class will be counted towards high point with preference given to western pleasure first. Hippology test must be completed to be eligible for high point.

Only 4-H exhibitors signed up to show at the fair are allowed to be on the horses exhibited at the 4-H horse show.

AGE DIVISIONS (4-H Age)

Junior: 8-10 years

Intermediates: 11-13 years

Seniors: 14-18 years

CLASSES - This list is not show order, each county superintendent will determine show order. Please consult the 2023 Nebraska 4-H Horse Show & Judging Guide for rules about specific classes.

G660001L Junior Horse Showmanship

G660002L Intermediate Horse Showmanship

G660003L Senior Horse Showmanship

G650001L Pony Pleasure (Under 14.2 hands)

G651001L Junior Western Pleasure

G651002L Intermediate Western Pleasure

G651003L Senior Western Pleasure

G651004L 2–3-Year-Old Futurity

G651005L 3–4-Year-Old Return Futurity

G652001L Junior Western Horsemanship

G652002L Intermediate Western Horsemanship

G652003L Senior Western Horsemanship

G653001L Junior Reining- Youth may exhibit in Ranch Riding **OR** Reining but not in both classes.

G653002L Intermediate Reining- Youth may exhibit in Ranch Riding **OR** Reining but not in both classes.

G653003L Senior Reining- Youth may exhibit in Ranch Riding **OR** Reining but not in both classes.

G653004L Green Horse Reining (Horse 4 years old or younger) - Youth may exhibit in Ranch Riding **OR** Reining but not in both classes.

G654001L Junior Pole Bending

G654002L Intermediate Pole Bending

G654003L Senior Pole Bending

G655001L Junior Barrel Racing

G655002L Intermediate Barrel Racing

G655003L Senior Barrel Racing

G656001L Junior Trail

G656002L Intermediate Trail

G656003L Senior Trail

CLASSES - HIPPOLOGY

G658001L Junior Hippology Contest

G658002L Intermediate Hippology Contest

G658003L Senior Hippology Contest

LEVEL 1 CLASSES - To fully complete the Horsemanship Advancement Level 1, the 4-Her needs to complete a demonstration, written exam, and skills (riding) test. Youth that want to compete in 4-H roping classes must complete all components of horse levels 1 **and** 2. More information on the horsemanship levels can be found at: <https://4h.unl.edu/statewide-events-opportunities/horse-program/horsemanship-advancement/>. Inquire with your county 4-H horse leader to see if this event will be offered at the horse show.

G656005L Junior Working Ranch Horse

G656006L Intermediate Working Ranch Horse

G656007L Senior Working Ranch Horse

G664001 Junior Dummy Roping

G664002 Intermediate Dummy Roping

G664003 Senior Dummy Roping

G665004 Ranch Riding- Youth may exhibit in Ranch Riding **OR** Reining but not in both classes.

LEVEL 2 CLASSES - To fully complete Level 2, the 4-Her needs to complete a demonstration, written report, feed chart, written exam, and skills (riding) test. Youth that want to compete in 4-H roping classes must complete all components of horse levels 1 **and** 2. More information on the horsemanship levels can be found at: <https://4h.unl.edu/statewide-events-opportunities/horse-program/horsemanship-advancement/>. Inquire with your county 4-H horse leader to see if this event will be offered at the horse show.

G661001 Junior Boxing

G661002 Intermediate Boxing

G661003 Senior Boxing

G662001 Junior Breakaway Roping

G662002 Intermediate Breakaway Roping

G662003 Senior Breakaway Roping

G663001 Junior Heading

G663002 Intermediate Heading

G663003 Senior Heading

G663004 Junior Heeling

G663005 Intermediate Heeling

G663006 Senior Heeling

HALTER – BLAINE-THOMAS & HOOKER COUNTIES ONLY. Horses can only be shown in one class. Halter classes do not count towards high-point awards.

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

CLASSES - HALTER

G657001L Pony Halter (Under 14.2 hands)

G657002L Two and Under Fillies

G657005L Aged Mares

G657006L Two and Under Geldings

G657009L Aged Geldings

CLASSES - HORSE EDUCATIONAL EXHIBIT (judged with static entries)

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

G659001L EQUINE EDUCATIONAL EXHIBIT - An educational display will show something you learned in the project. It can be either vertical or horizontal, not to exceed 14" x 22" or, if a table display, a space not to exceed 24" deep x 24" high x 24" long. Pictures, drawings, short narrations, actual products, models, pictures, posters, etc. may be used. Only one (1) educational display per project may be exhibited. MAY BE ON ANY PROJECT FOR WHICH THERE ARE NO EXHIBITS LISTED IN PREMIUM BOOK.

DEPARTMENT I – LIVESTOCK

Livestock Resources: <https://shop4-h.org/collections/animal-agricultural-science-curriculum>

IAFE (INTERNATIONAL ASSOCIATION OF FAIRS AND EXPOSITIONS) NATIONAL CODE OF SHOW RING ETHICS

Exhibitors of animals at livestock shows shall at all times deport themselves with honesty and good sportsmanship. Their conduct in this competitive environment shall always reflect the highest standards of honor and dignity to promote the advancement of agricultural education. This code applies to all livestock offered in any event at a livestock show. All adults and mentors working with exhibitors are under an affirmative responsibility to do more than avoid improper conduct or questionable acts. Their moral values must be so certain and positive that those younger and more pliable will be influenced by their fine example. Animals exhibiting symptoms of contagious, infectious, or communicable disease, including visible ringworm (club lamb fungus in sheep) warts and/or abscesses may be asked to be removed from the exhibition grounds. Under no circumstances may animals under quarantine be exhibited.

IMPORTANT DEADLINES

JUNE 15

- **Enroll in 4-H** at v2.4honline.com
- **Youth Quality Assurance (YQCA) Training must be completed**, and a copy of the certificate provided to the Extension Office. No YQCA certificates dated after June 15 will be accepted. YQCA TRAINING is required for all LIVESTOCK, DAIRY, POULTRY EXHIBITORS, and MEAT RABBIT for county and state fair. The online course is at yqcaprogram.org.

JULY 1

- **FAIR ENTRIES DUE.** 4-Her is limited to two entries per class. Any entries submitted July 2-5 will pay a \$10 late entry fee per animal, and no entries will be accepted after 12 pm. Entry forms are available at <https://extension.unl.edu/statewide/centralsandhills/2025-fair-book-for-central-sandhills-area/>
- **Livestock ID's DUE.** Any ID's submitted between July 2-5 will pay a \$10 late fee per animal, and no Livestock ID's will be accepted after 12 pm.

LIVESTOCK SHOWMANSHIP DIVISIONS (4-H AGE):

Junior: 8-10 years

Intermediates: 11-13 years

Seniors: 14-18 years

GENERAL LIVESTOCK RULES

- STATE FAIR DNA:** All market animals (beef, sheep, swine & meat goats) must have a hair sample for DNA testing on file at Ak-sar-ben by the appropriate dates (April 15 for beef, June 15 for all other species) to exhibit at the State Fair.
- Exhibitors in the livestock project cannot exhibit the same project animals in BOTH FFA AND 4-H.
- For the safety of exhibitors and spectators: An animal that becomes wild and uncontrollable during the show may be declared ineligible by the Superintendent, Extension Staff, and Livestock Judge. No muzzles or similar devices will be allowed on 4-H animals.

- D. **ANIMAL TESTING AND EXAMINATION** - Any animal entered in 4-H classes is subject to both urine and blood testing. If the results of testing indicate the possible use of compounds or drugs not approved for use in that species by FDA or compounds or drugs used outside the specified withdrawal requirements of FDA, these animals will be declared ineligible for competition and awards. In the case of market animals, show management will determine the appropriate disposal of the animals. An animal that is tampered with by unusual means to change appearance or weight may be declared ineligible.
- E. **ONLY PURPLES CAN BE CHAMPIONS** - Any beef, dairy, goat, sheep, swine, dog, poultry or rabbit entry must be awarded a first or second purple ribbon in a class for some counties to be eligible to compete for champion or reserve champion.
- F. **GROOMING OF LIVESTOCK** - Preparation and grooming of animal should be the primary responsibility of the Fair exhibitor, however, assistance may be provided by immediate family members including brothers, sisters, and/or parents/legal guardian of the exhibitor and 4-H members. Clipping & grooming of Bucket Calves is NOT required. Washing and combing IS allowed.
- G. **BLOW AND GO** - Livestock will be Blow and Go; animals are clipped, blown, and brushed or combed to enhance their appearance for COUNTY fair (the STATE FAIR book has a more complete list of the rules for beef showmanship).
- 4-H beef animals will be shown free of any compounds that are applied by aerosol propellants.
 - Alcohol, water, or any water- or alcohol-based products with no adhesive qualities are permitted.
 - Any compounds that have adhesive qualities or alter the color of the animal are forbidden.
- H. **SUBSTITUTE SHOWMAN** - An animal must be shown by the 4-H owner who entered it unless the exhibitor is excused because of serious illness, disability due to an injury (e.g., broken arm or leg), or conflict with other livestock classes in a 4-H show. An exhibitor who has more than one animal in a class may use a substitute showman. Substitute showman must be a 4-H member exhibiting at the current County Fair.
- I. **DRESS CODE** - Exhibitors showing livestock are required to wear the official County Fair 4-H T-shirt. If there is no official County Fair 4-H T-shirt, exhibitors are required to wear a plain white shirt (or blouse) with the official 4-H armband or chevron attached. Dark blue jeans and hard soled shoes or boots are required for livestock exhibitors. Dairy exhibitors may wear dark blue jeans or white pants. No hats, caps or other types of headgear are to be worn in the show ring. Exhibitors shall not display local, county, commercial or other identification while showing their animals-except official 4-H.
- J. **LIVESTOCK SALE-GRANT COUNTY ONLY AUCTION RULES**
- Exhibitors will be able to sell 1 market beef, 1 market swine, 1 market goat, 1 market lamb, 1 lot (3) market broilers.
 - Market livestock must meet the following MINIMUM weight requirements to be eligible for sale. No maximum weight requirements.
 - Market Steer: 1,000 lbs.
 - Market Heifer: 900 lbs.
 - Market Swine: 210 lbs.
 - Market Goat: 50 lbs.
 - Market Lamb: 100 lbs.
 - Market Broiler Lot: 4 lbs. each

- c. Livestock failing to meet the weight requirement may show but *will be ineligible for championship awards and the livestock sale. **All livestock selling in the sale must have a butcher date booked by the exhibitor.*
- d. **The Extension office, by UNL mandate, cannot handle any monetary transactions. Sales must be managed by the county 4-H council or any outside group of their choosing.**
- K. **LIVESTOCK SALE, HOOKER COUNTY ONLY** - Exhibitors can sell one (1) head of Market beef, one head of Market Sheep, one head of Market Swine, and one head of Market Goat. **The Extension office, by UNL mandate, cannot handle any monetary transactions. Sales must be managed by the county 4-H council or any outside group of their choosing.**
- L. The same beef animal cannot be shown in both breeding and market classes in the same year.

GENERAL ANIMAL CLASSES: (All Counties – All Species)

- G090100 EDUCATIONAL DISPLAY.** 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, within the species of dairy, beef, sheep, swine, goat, poultry, and rabbit. Posters will be displayed in the entrance of the livestock buildings to increase the educational experiences of both the 4-H member and the public increasing agricultural literacy and promoting good will at the Nebraska State Fair. During the time when the corresponding animal is not stalled on the fairgrounds, the poster will be displayed in the 4-H Exhibit Building. To be eligible for the State Fair, posters must have been exhibited at the county fair and received a purple ribbon. Because posters may have been exhibited at the county fair in outside conditions, it is understood that they may be re-done prior to Nebraska State Fair but the content and design should be similar.
- G013900 ACCESSORY/ITEM** made for animal science project. Designed/created by 4-H'er. Any medium can be used. Ex. Braided halter, show stick, blanket, leatherwork, etc. *Item must be checked in on static item judging day for evaluation. **Must include a description of how item was made.

BEEF DIVISION

AWARDS	Purple	Blue	Red	White
	\$6.00	\$5.00	\$4.00	\$3.00

CLASSES

- G026001L Junior Beef Showmanship** (8-10 yrs.)
- G026002L Intermediate Beef Showmanship** (11-13 yrs.)
- G026003L Senior Beef Showmanship** (14-18 yrs.)

MARKET BEEF

- G010020L Market Steer**
- G010030L Market Heifer**
- G010090L Progress Steer or Heifer.** Less than 1,000 lb. Not eligible for Grand or Reserve Grand Champion Market Beef.
- G021001L Beef RATE OF GAIN** – Local 4-H Councils will oversee all Rate of Gain policies and awards. Please contact your 4-H Council for your county requirements.

BREEDING BEEF

G020010L Heifer Calf- Born after January 1st of current year. Cannot also be shown in stocker feeder heifer. **NOT Eligible in GRANT CO**

G010040L Bred Heifer. 1-2 years of age but not calved prior to show.

G025003L Cow-Calf Pair

G020020L Prospect Bull Calf- Born after January 1st of current year. **NOT Eligible in GRANT CO**

STOCKER FEEDER

G010070L Steer calved after January 1 of the current year.

G010080L Heifer calved after January 1 of the current year.

BUCKET CALF

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

G024001L Bucket Calf Project (4-H age 8+ years). Born between February 1 and June 1 of current year. Washing and combing are allowed; no grooming or clipping. Judged on showmanship (50%) and knowledge gained (50%) in the project. No nurse cows or goats allowed. A bucket calf is a young calf who is no longer nursing from its mother or another cow. The bucket calf is being fed by the 4-H member. Stocker Feeders are under a different class and are calves not weaned and still nurse their mothers. For Clover Kid (ages 5-7) projects, go to Department Z.

SHEEP

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

Clover Kids (4-H age 5-7), see Department Z.

G021002L Sheep RATE OF GAIN – Local 4-H Councils will oversee all Rate of Gain policies and awards. Please contact your 4-H Council for your county requirements.

CLASSES

G033001L Junior Sheep Showmanship (8-10 yrs.)

G033002L Intermediate Sheep Showmanship (11-13 yrs.)

G033003L Senior Sheep Showmanship (14-18 yrs.)

MARKET SHEEP

G031010 Market Sheep (Wethers and Ewes show together)

BREEDING EWE: Meat breeds must be slick shorn within 7 days of the show. Wool breeds should be shown in fleece.

G032010 Breeding Ewe

G032020 Ewe Lambs

SHEEP PEN SHOW

G034001L Pen of Three (ewes and/or wethers)

		SWINE			
AWARDS		Purple	Blue	Red	White
		\$5.00	\$4.00	\$3.00	\$2.00

G021003L Swine RATE OF GAIN – Local 4-H Councils will oversee all Rate of Gain policies and awards. Please contact your 4-H Council for your county requirements.

CLASSES

G037001L Junior Showmanship (8-10 yrs.)

G037002L Intermediate Showmanship (11-13 yrs.)

G037003L Senior Showmanship (14-18 yrs.)

MARKET SWINE Must weigh between 230 and 320 lbs.

G035010 Market Gilts

G035020 Market Barrows

BREEDING SWINE

G035030 Breeding Gilt

SWINE PEN SHOW

G038001L Pen of Three (gilts and/or barrows)

		GOAT			
AWARDS		Purple	Blue	Red	White
		\$5.00	\$4.00	\$3.00	\$2.00

G021004L Goat RATE OF GAIN – Local 4-H Councils will oversee all Rate of Gain policies and awards. Please contact your 4-H Council for your county requirements.

CLASSES

G061001L Junior Goat Showmanship (8-10 yrs.)

G061002L Intermediate Goat Showmanship (11-13 yrs.)

G061003L Senior Goat Showmanship (14-18 yrs.)

BREEDING GOAT (Meat and Dairy)

G050010L 2 & Under Non-Milking Doe

G050020L 2 & Over Milking Doe

G050030L Mother-daughter

G050040L Kids less than 1 year

G059010 Breeding Meat Goat – Yearling Does

G059020 Breeding Meat Goats/Doe Kids

MEAT GOAT

G058010 Market Goats (Wethers and Does show together)

GOAT PEN SHOW

G0600010 Pen of Three (Wethers and/or Does)

BEST DRESSED GOAT

G050050L Best Dressed Goat – No premiums will be paid for this class in BLAINE COUNTY

DAIRY CATTLE

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

CLASSES

G048001L Junior Dairy Showmanship (8-10 yrs.)

G048002L Intermediate Dairy Showmanship (11-13 yrs.)

G048003L Senior Dairy Showmanship (14-18 yrs.)

G040008L Heifer Calf born in current year.

G040009L Yearling Heifer born previous year.

G040010L Dry Cow any age

G040011L Milking Cow any age.

OTHER LARGE ANIMAL PETS

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

CLASSES

G712001L Other Large Animal Pets – Non-livestock exhibits (Miniature Donkey, Llama, Pot Belly Pig, etc.)

DEPARTMENT J –SMALL ANIMAL

POULTRY

AWARDS	Purple	Blue	Red	White
Single	\$5.00	\$4.00	\$3.00	\$2.00
Pen or Trio	\$5.00	\$4.00	\$3.00	\$2.00

Poultry Resources: <https://marketplace.unl.edu/extension/nebraska-4-h/4-h-curriculum/4h460.html>.

IMPORTANT DEADLINES

JUNE 15

- **Enroll in 4-H** at y2.4honline.com.
- **Youth Quality Assurance (QA) Training must be completed**, and a copy of the certificate provided to the Extension Office. No QA certificates dated after June 15 will be accepted. QA TRAINING is required for all LIVESTOCK, DAIRY, POULTRY, and MEAT RABBIT EXHIBITORS for county and state fair. The online course is at yqcaprogram.org.

JULY 1

- **FAIR ENTRIES DUE.** Any entries submitted July 2-5 will pay a \$10 late entry fee per animal, and no entries will be accepted after that. Entry forms are available at <https://extension.unl.edu/statewide/centralsandhills/2023-fair-book-for-central-sandhills-area/>

GENERAL RULES

- HEALTH REQUIREMENTS**-Health certificate not required and no additional testing req's for poultry if originating from Nebraska. No additional testing requirements for Nebraska origin poultry.
- DRESS CODE**-See Livestock General Rules.

CLASSES

Classes may be combined the day of the show at judge and Extension employee's discretion.

G071001L Hens

G071002L Pullet

G071003L Cock

G071004L Cockerel

G071005L Bantam

G071006L Ducks

G071007L Goose

G071008L Other Poultry- Turkeys, Pigeons, Guineas, Pheasants

G071009L Production Trios

MARKET BROILERS

- All counties broiler entries are limited to one entry of 3 birds per exhibitor. Individual market broilers must weigh a minimum of 4 pounds each. Each exhibit must be healthy and clean. Entries will be judged on the designated day in each county. Exhibitors must be present during

judging. Each exhibitor in broiler pen class will be eligible to consign their entry at the livestock sale. All market broilers must be purchased on the same date from the same poultry supplier according to each county's policy.

CLASSES

G072001L Market Broilers Pen of Three

POULTRY SHOWMANSHIP:

The participant may use any bird they choose, so long as it was raised and trained by the 4-H'er. Showmanship class must be entered with advance entry. Showmanship is judged on grooming and training of the bird and the appearance and behavior of the exhibitor. The exhibitor must vocally explain the steps in their routine and the merit of the bird. Showmanship is the skill of the exhibitor in presenting and explaining the bird before the judge. The excellence of the bird is not considered in scoring. The showmanship presentation must be completed in less than 4 minutes, and it will be timed. The judges may or may not ask questions of the exhibitor at the close of the routine.

CLASSES

G077001L Junior Poultry Showmanship (8-11)

G077002L Intermediate Poultry Showmanship (12-13)

G077003L Senior Poultry Showmanship (14 and up)

POULTRY EDUCATIONAL EXHIBIT

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

CLASSES

G078001L POULTRY EDUCATIONAL EXHIBIT - An educational display will show something you learned in the project. It can be either vertical or horizontal, not to exceed 14" x 22" or, if a table display, a space not to exceed 24" deep x 24" high x 24" long. Pictures, drawings, short narrations, actual products, models, pictures, posters, etc. may be used. Only one (1) educational display per project may be exhibited. MAY BE ON ANY PROJECT FOR WHICH THERE ARE NO EXHIBITS LISTED IN PREMIUM BOOK.

EGGS

- Eggs will be judged on shape, color, and weight uniformity. Please do not refrigerate eggs prior to checking in the eggs.
- 4-H'ers are limited to exhibiting one (1) dozen of either brown, white, or other colored eggs.

CLASSES

G073001L One dozen white eggs

G073002 One Dozen brown eggs

G073003 One dozen other colored eggs

MARKET RABBIT

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

Youth Quality Assurance (QA) Training must be completed by June 15, and a copy of the certificate provided to the Extension Office. No QA certificates dated after June 15 will be accepted. QA TRAINING is required for all LIVESTOCK, DAIRY, POULTRY, and MEAT RABBIT EXHIBITORS for county and state fair. The online course is at <https://yqcaprogram.org/>

CLASSES

G080001L Single Fryer. Not over 10 weeks of age. Must weigh between 3 and 5 lb.

G080002L Meat Pen. Age limit 10 weeks. Must weigh between 3 and 5 lb.

G080003L Roaster. Must be under 6 months of age. Must weigh at least 8 lb.

BREEDING RABBIT CLASS

G080005L DOE

G080006L BUCK

SHOWMANSHIP

G079068L Junior Rabbit Showmanship (8-10)

G079069L Intermediate Rabbit Showmanship (11-13)

G079070L Senior Rabbit Showmanship (14 and up)

PET SHOW – COMPANION ANIMALS

AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

Companion Animal Resources: <https://4h.unl.edu/statewide-events-opportunities/companion-animal-program/>

GENERAL RULES

- A. **ELIGIBILITY:** The exhibitor must be currently enrolled in the 4-H Cat or Household Pet/Small Animal Project. Rabbits shown in the Pet Rabbit Class cannot be shown in Meat Rabbit division.
- B. **NUMBER OF ENTRIES:** An exhibitor may make no more than one entry per class.
- C. **HEALTH & VACCINATIONS:** All animals must be weaned prior to show. All animals should be free of fleas, ticks, ear mites, ringworm, any internal and external parasite, and infectious disease. Any animal showing signs of sickness, disease, or parasite infestation will be eliminated from the show and must be removed from the fairgrounds. Animals that pose a danger to others will not be allowed in the building. Ferrets must be vaccinated for rabies and have a completed health form signed by the administering veterinarian submitted with registration information. Cats are required to be current on their vaccinations of Rabies, panleukopenia, viral rhinotracheitis, and calicivirus. Cats must either have a current feline leukemia vaccination or proof of a negative test within 180 days of the show. **Participants should have their veterinarian fill out and sign the “Nebraska State Fair Cat/Ferret Vaccination Record Form”.** If a cat is not declawed, the claws must be clipped. This will be a point of judging during the competition. **No expectant or nursing mother animals may be entered in the show.**
- D. **SHOW PROCEDURE:** Animals must be housed in a cage at all times of the show unless asked to remove them by the judge. Cats must be brought in durable plastic or wire carriers (not cardboard). Cats will remain in carriers, or another appropriate cage provided by the exhibitor

except for when being judged. ALL CATS MUST BE SHOWN ON A LEASH and be on a leash at any time they are removed from the carrier/cage. If being shown in a travel cage, exhibitors should bring photographs of the animal's normal habitat. Each exhibitor will be asked to give a short "showmanship" presentation on their animal. The characteristics, health, and care of the animal should be provided in this presentation. Participants should bring animal, adequate cage, and accessories, completed health certificates for ferrets, and pictures of normal habitat, if appropriate. The judge will evaluate the participant on the following basis: knowledge of the project - 45 points, interview - 20 points, health of the animal - 20, and cage and appropriate housing - 15 points.

- E. **DRESS CODE** - Exhibitors are required to wear a plain white shirt or blouse with a 4-H emblem (no county identification) or a local County T-Shirt. Long jeans/pants are required for cat, dog, and small pet exhibitors. Exhibitors are required to wear closed toe shoes with non-slip soles. No hats, caps or other types of headgear are to be worn in the show ring. Exhibitors shall not display local, county, commercial or other identification while showing their animals-except official 4-H and show ID tag. 4-Her's will be judged on the neatness of their appearance. This includes, but is not limited to, shirt tucked in, appropriate size of clothing, tied shoelaces, etc. Individuals not meeting these requirements will be lowered one (1) ribbon placing in showmanship.

CLASSES

G100001 Cat (Minimum age 4 mo)

G100002 Pet Rabbit (Minimum age 9 wk)

G100003 Ferret, Chinchilla, Guinea pig, Hedgehog (Minimum age 12 wk ferret, 7 wk chinchilla, 4 wk guinea pig, and 5 wk hedgehog)

G100006 Gerbil, Hamster, Mouse, Rat (Minimum age 4 weeks)

G100012L Reptiles, Fish, and Amphibians

G100014L Birds (Pigeons, Parakeets, Canary, etc.)

G100015L Companion Animal Showmanship - Junior (8-11)

G100016L Companion Animal Showmanship - Intermediate (12-13)

G100017L Companion Animal Showmanship - Senior (14 and up)

BEST DRESSED PET (No premium in BLAINE County.)

G100013L Best Dressed Pet (may include dog, cat, rabbit, or poultry)

	DOG			
AWARDS	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.00	\$2.00

Dog Resources: <https://4h.unl.edu/statewide-events-opportunities/companion-animal-program/dog-achievement-program/>

GENERAL RULES

- A. **PROCEDURE**-Described in Nebraska 4-H Dog Show Guidelines 4H421
https://extension.unl.edu/sites/unl.edu.ianr.extension/files/media/file/4H421_Dog-Show-Rules.pdf
- B. **DOG ELIGIBILITY**: 4-H'er should provide primary care and training for the dog. The dog should reside with the exhibitor or be cared for by the exhibitor much of the year.
- C. **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 State Fair Dog Show. Explanation: Some vaccinations are viable for one year and some rabies 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.
- D. **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.
- E. **AGE OF DOG**-A dog that is exhibited at the county fair must be 6 months or older. Agility dogs must be 18 months or older to participate in competition.
- F. **DRESS CODE**- Exhibitors are required to wear a white shirt (or blouse) with the official 4-H chevron attached or a 4-H t-shirt, or a local County t-shirt. Solid blue jeans are required. No headgear is worn in the show ring. Exhibitors shall not display local, county, commercial or other identification while showing at State Fair. Closed toed shoes with a non-slip sole are required. No flip flops or sandals are allowed.
- G. **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.
- H. **CLEANUP** - This shall be the EXHIBITOR'S RESPONSIBILITY. This includes all areas while on the show site. Dogs should use the designated dog exercise area.
- I. **SOILING IN THE RING** - If a dog has an accident in the show ring, the exhibitor will be asked to stop, clean up and disinfect the area with supplies provided by the show. Ring stewards will be holding the dog's leash. The exhibitor will finish their class and will be lowered one ribbon placing as a penalty for that class due to soiling in the show ring.
- J. **USE OF LEASH** – dogs are to remain on leash at all times except under the direction of judge while performing a class in the show ring.
- K. **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%). Classes are divided into age divisions.

CLASSES

G700010L BEGINNING SHOWMANSHIP - Handler is in the first or second year of county or state 4-H or any other dog show experience.

G700020 INTERMEDIATE SHOWMANSHIP- (10 – 13-year-olds)

G700030 SENIOR SHOWMANSHIP- (14 – 18-year-olds)

CLASSES-DOG OBEDIENCE

G701010 BEGINNING NOVICE DIVISION A – Exhibitor and dog is in first year of competition. 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. The leash may lie on the floor in front of the dog or be held by the handler.

G701020 BEGINNING NOVICE DIVISION B - Exhibitor and dog is beyond first year of competition. 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. The leash may lie on the floor in front of the dog or be held by the handler.

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

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

G701045 ADVANCED GRADUATE NOVICE – heel on leash and figure 8 (off leash), drop on recall, dumbbell recall, recall over high jump, recall over broad jump, and long down.

G701050 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. Refer to Nebraska 4-H Dog Show Guidelines 4-H 420.for jump heights/distances.

G701055 GRADUATE OPEN – signal exercise, scent discrimination, directed retrieve, moving stand and examination, go out, and directed jumping.

G701060 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. Exhibitors must supply their own scent articles and gloves for the directed retrieve.

AGILITY - Refer to Nebraska 4-H Dog Show Guidelines to determine class entry and obstacles for each level of competition. 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 will 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. Course maps will be made available and posted at time of show registration in designated area(s).

Agility Jump Heights –measure dogs at withers to determine jump height:

- Dogs 11 inches or less –4 inches
- Dogs over 11 inches up to and including 14 inches –8 inches
- Dogs over 14 inches up to and including 18 inches –12 inches
- Dogs over 18 inches –16 inches.

CLASSES - AGILITY

G702010 **Level 1-6** Obstacles

G702020 **Level 2-10** Obstacles

G702030 **Level 3-10** Obstacles

G702040 **Level 4-13** Obstacles

G702050 **Level 5-15-20** Obstacles

DEPARTMENT K – SCIENCE AND TECHNOLOGY

ENTOMOLOGY

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

GENERAL INFORMATION

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 (<https://4h.unl.edu/4-h-fairbook-nebraska-state-fair/static-exhibits/entomolog/>). Boxes are preferred to be 12" high X 18" wide, and landscape orientation, so they fit in display racks. Purchase of commercially made boxes is allowed. All specimens are to be pinned and labeled by the exhibitor. No purchased specimens allowed. All specimens must be from the collector.

2. No projects over 50 pounds allowed.

CLASSES

- H800001 Entomology display** - first year project - to consist of a collection of 25 or more different kinds (species) of insects representing at least 6 orders. Limit of one box.
- H800002 Entomology display** - second year project - to consist of a minimum of 50 kinds (species) of insects representing at least 8 orders. Replace damaged or poorly mounted specimens. About 25 species should be present from after July 1 of previous year. Limit 2 boxes.
- H800003 Entomology display** - third or more year project - to consist of minimum of 75 kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. About 25 species should be present from after July 1 of previous year. Limit of 3 boxes.
- H800004 Special Interest Display** – 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, 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.).
- H800005 Insect Habitats** – Habitats consist of any hand-crafted objects, made of natural or artificial materials, to be placed outdoors, which promote or conserve insects in the environment. Insects may include bee pollinators, butterflies, beneficial insects, etc. A one-page report describing activities must accompany the exhibit. Report should include placement, target insect, why materials were chosen, functional design, and indicators of success. See the following resources for reports:
- Nebraska Extension NebGuide: Creating a Solitary Bee Hotel (G2256)
 - University of Minnesota: Wild Bees and Building Wild Bee Houses
 - National Wildlife Federation: How to Provide Water in Monarch Gardens

- H800006 Macrophotography** – Subjects should be insects, spiders or other arthropods, or any nests, webs, or constructions they make. All exhibit prints should be either 8 inches x 10 inches or 8 ½" x 11" and mounted on rigid, black 11" x 14" poster or matt board. Either orientation is acceptable. No frames or mat board framing is allowed. A caption of a few sentences should the subject, printed on white paper, and be glued below the print on poster board.
- H800007 Insect Poster/Display Exhibits** - Can be posters or three-dimensional displays, and artistic creativity is encouraged. Posters should be no larger than 22" x 28". They should be instructional and can be attractive and have pictures, drawings, charts, or graphs. Posters and displays may show any aspect of insect life, habitat, or related conservation or management. Examples include life history and other facts about an insect; insect anatomy; how to manage insects in a farm, home, lawn, or garden setting; experiences rearing one kind of insect; survey of an important insect; insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (e.g., forests, grasslands, wetlands, rivers, or lakes) and what insects are found there, etc. Three-dimensional displays, such as dioramas, sculptures, models, or decorative boxes should have a page of explanatory information accompanying them and fit within a 22" x 28" area.
- H800008 Reports or Journals** - 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 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 beehive, observations of insects in a specific habitat, accounts of insect behavior in a forest or flower garden, etc.

VETERINARY SCIENCE

AWARDS	Purple	Blue	Red	White
	\$2.25	\$2.00	\$1.75	\$1.50

GENERAL GUIDELINES

- A. The purpose of the Veterinary Science display is to inform the public of a common health problem of animals, or a veterinary science principle. Do not confuse veterinary science display topics with animal husbandry 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.
- B. If photographs are to be part of the exhibit, remember they will be viewed by the public. Make sure 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.
- C. **State Fair:** Premier 4-H Science Award is available in this area.
- D. **First-Aid Kits:** Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, animal first aid kits containing any drugs or medications will be immediately disqualified and not displayed. First Aid kits wishing to include medication information should instead utilize written descriptions, photographs, drawings, computer generated print-outs or empty packaging of pharmaceuticals.
- E. **Veterinary Science Posters:** This exhibit presents the viewer with a simple and direct design, unlike a display that usually presents more information. A poster should not exceed 22" x 28" and may be either vertical or horizontal.
- F. **Veterinary Science Displays:** A display may include but is not limited to a 3-dimensional exhibit, a scale model, the actual product (for example: skeleton; teeth; samples of leather, fur, or dried skin damaged by disease or parasites) or a notebook. A display is not a poster. A display may be mounted on poster board not to exceed 22" x 28" or on 1/4" plywood or equivalent that does not exceed 24" high or 32" wide.
- G. 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

****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

CLASSES

- H840001 4-H Veterinary Science Large Animal Poster, Notebook or Display**
- H840002 4-H Veterinary Science Small Animal/Pet Poster, Notebook or Display**

SCIENCE, ENGINEERING & TECHNOLOGY

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

GENERAL INFORMATION

- A. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
- B. Demonstration boards should include an overall title for the display, plus other necessary labeling.
- C. Reports should be written using the scientific method whenever possible: 1. Hypothesis 2. Research 3. Experiment 4. Measure 5. Report or Redefine Hypothesis. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
- D. Please refer to the General Rules for the policy regarding firearms, items with a blade, and other related items.
- E. Please refer to the General Rules for the policy regarding use of copywritten images.
- F. Premier 4-H Science Award is available in this area.
- G. Team Entries: To qualify for entry at the Nebraska State Fair for any team exhibit, the exhibit and all supporting information must clearly be the work of a team instead of an individual, and must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing.
- H. State Fair qualified videos, presentations and other electronic exhibits should be submitted to <https://go.unl.edu/2025nesfstem> by August 15th, 2025. Videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or links on several devices to check for appropriate permissions for public viewing
- I. Posters in this department can be any size up to 28 inches by 22 inches when ready for display. Example: trifold poster boards are not 28 inches by 22 inches when fully open for display.
- J. 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.)
- K. Fabricated boards such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
- L. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
- M. Demonstration boards should include an overall title for the display, plus other necessary labeling.
- N. Reports should be written using the scientific method whenever possible (1. Hypothesis 2. Research 3. Experiment 4. Measure 5. Report or Redefine Hypothesis). All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.

- O. 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.
- P. All outside projects MUST have entry tag and supporting information placed in a protective bag to prevent damage from weather events such as rain and be ATTACHED to projects with string, zip ties, etc.
- Q. **TEAM ENTRIES:** To qualify for entry at the Nebraska 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 team members receiving the same ribbon placing.
- R. **AEROSPACE** - Rockets must be supported substantially to protect from breakage. Rockets are to be mounted on 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, 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, and flight height), 3) number of launchings, and 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, include a digital recorded copy of one flight. In the documentation, include a description of stability testing before the rocket was flown. Posters can be any size up to 28" by 22" when ready for display. Example: tri fold poster boards are not 28" by 22" when fully open for display.
- S. **High power rockets (HPR)** are similar to model rocketry with differences that include the propulsion power and weight increase of the model. They use motors in ranges over "G" power and/or weigh more than laws and regulations allow for unrestricted model rockets. These rockets are NOT appropriate for 4-H projects and will be disqualified.
- T. **MODEL ROCKETRY:** Three launches are required to earn the 25 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. 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. High power rockets (HPR) are similar to model rocketry with differences that include the propulsion power

and weight increase of the model. They use motors in ranges over “G” power and/or weigh more than laws and regulations allow for unrestricted model rockets. These rockets are NOT appropriate for 4-H projects and will be disqualified.

Youth enrolled in Aerospace 2, 3, or 4 may exhibit in any class within this division.

CLASSES

AEROSPACE/ROCKETS AND DRONES

- H850001 Rocket** - Any skill level 2 rocket with wooden fins and cardboard body tubes painted by hand or air brush.
- H850002 Display** - Poster or display board that displays or exemplifies one of the principles learned in the Lift Off project. Examples include display of rocket parts and purpose, explains the parts of a NASA rocket or shuttle, interview of someone in the aerospace field, or kite terminology. Include notebook containing terminology (definition), and what was learned. Display can be any size up to 28” by 22”.
- H850003 Rocket** - Any skill level 2 rocket with wooden fins and cardboard body tubes painted using commercial application, example commercial spray paint.

SELF-DESIGNED ROCKETS

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

DRONES: Youth enrolled in Aerospace 2, 3, or 4 may exhibit in any class within this division.

- H850005 Drone Poster** - Exhibit must be designed to educate yourself and others on one or more of the following topics: drone technologies, uses of drones, the different types of drones, types of training needed to operate drones, and the laws and regulations users must follow. Posters can be any size up to 28” by 22”.
- H850006 Drone Video** - Exhibit must demonstrate how the drone interacts with the outside world. Examples include field scouting, surveying damage from natural disasters, drones used in commercial applications and settings, and drones used for structural engineering. Video should not exceed 5 minutes. Videos should be submitted to <https://go.unl.edu/2025nesfset> by August 15, 2025, or be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions for public viewing.

MODELS - EDUCATIONAL EXHIBIT - NOT ELIGIBLE FOR STATE FAIR

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

CLASSES

- H851002L Models** - 4-H’ers may enter Lego Models in this class if they are permanently fixed together, or they may enter a model made from a kit or from an original design.

COMPUTERS

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

CLASSES

UNIT 2 – COMPUTER SCIENCE

- H860001 Computer Application Notebook** – Exhibitor should use computer application to create a graphic notebook utilizing computer technology: 4-H'er may create any of the following: greeting card (5 different cards such as a birthday, wedding, anniversary, sympathy, get well or other); a business card (3 cards for 3 different individuals and businesses); menu (minimum of 2 pages including short description of foods and pricing); book layout (I-book); promotional flyer (3 flyers promoting 3 different events); newsletter (minimum 2 pages); or other: examples such as precision farming or family business logo etc. This exhibit consists of a notebook (8.5 x 11 inches) which should include a (1) detailed report describing: (a) the task to be completed, (b) the computer application software required to complete the task, (c) specific features of the computer application software necessary for completing the task (2) printout of your project. Project may be in color or black and white.
- H860002 Produce a Computer Slideshow Presentation** – Using presentation software a 4-H Exhibitor designs a multimedia computer presentation on one topic related to youth. A notebook with a printout of all the slides should be submitted. Slideshow should include a minimum of 10 slides and not more than 25. Incorporate appropriate slide layouts, graphics, animations, and audio (music or voice and transition sounds do not count). Each slide should include notes for a presentation. All slideshows must be uploaded. State fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024. Or entries can be uploaded to a cloud sharing service and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

UNIT 3 - COMPUTER SCIENCE

- H860003 Produce an Audio/Video Computer Presentation** – Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth, including audio and/or video elements. A notebook with a printout of all the slides should be submitted. The presentation should be at least 2 minutes in length and no more than 5 minutes in length, appropriate graphics, sound and either a video clip, animation, or voice over and/or original video clip. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024, or entries can be uploaded to a cloud streaming service and video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.
- H860004 How to STEM (Science, Technology, Engineering and Math) Computer Presentations-** Youth design a fully automated 2 to 5 minute 4-H “how to” video. Submissions should incorporate a picture or video of the 4-H'er, as well as their name (first name only), age (as of January 1 of the current year), years in 4-H, and their personal interests or hobbies. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024, or entries can be uploaded to a cloud streaming service and video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.
- H860005 Virtual Platform Presentation** Youth design a fully automated educational presentation using any multimedia platform . Ex. such as Tik Tok, YouTube, Canva, Canvas, etc.). Submissions may include a notebook, poster, etc., explaining the process, /experience,

and/or /presentation. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024, or entries can be uploaded to a cloud streaming service and video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

H860006 Create a Web Site/Blog or App- Design a simple website, blog, or app for providing information about a topic related to youth. Include an explanation of why the entry was created. Any current website, blog, or app development platform is accepted such as Google Sites, iBuildApp, Wix, etc. If the website, blog, or app isn't live, include all files on a flash drive in a plastic case.. State Fair qualified entries should be submitted to <https://go.unl.edu/2024nesfset> by August 10th, 2024, or entries can be uploaded to a cloud streaming service and video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors should test their codes or links on several devices to check for appropriate permissions for public viewing.

H860007 3D PRINTING 3D printing uses plastic or other materials to build a three-dimensional (3D) object from a digital design (including 3D Pen Creation). Youth may use original designs or someone else's they have redesigned in a unique way. Exhibits will be judged based on the motivation and/or problem identified. For example, 3D objects printed as part of the design process for robot or other engineering project. Must include design notebook that addresses the following questions:

- A. What was the motivation for your design or the problem you were solving with your design? i.e.. is your item a functional or decorative piece?
- B. Please include a picture of original design, citation of designer/website OR if design is completely original (you created it using CAD software), then state that it's original. If item was not completely original, indicate what you did to the original design to modify it to better meet the design problem stated in #1 above. Its design was modified multiple times, please indicate what change was made with each modification, and what prompted the need for the change. I.e., I printed it, and the design was too fragile, so I resliced the print to make thicker external walls, or to have a denser infill.
- C. Define your process for designing/printing. What software and/or hardware was used (indicate type of 3D printer or if item was created with 3D pen)?
- D. What materials were selected for your project?
- E. If your final design has any moving parts, define how you determined appropriate allowance in your design.
- F. Identify any changes that you would make to improve your design.

H860008 Maker Space/Digital Fabrication - This project is a computer-generated project created using a laser cutter, vinyl cutter, heat press or CNC router, Vector or 3D based software such as Corel Draw, or Fusion 360 would be an example of an appropriate software used to create your finished project. Project should include a notebook with the following:

- a. What motivated you to create this project?
- b. Software and equipment used.
- c. Directions on how to create the project.
- d. Prototype of plans,
- e. Cost of creating the project.
- f. Iterations or modifications made to original plans.

- g. Changes you would make if you remade the project.

Team Entry Option: To qualify for entry at the Nebraska State Fair team materials entered in H860007 – Maker Space/Digital Fabrication must clearly be the work of a team instead of an individual and must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing.

ROBOTICS

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

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.

ROBOTICS

CLASSES

- H861001 Robotics Poster** - Create a poster (28" X 22") communicating a robotics theme such as "Robot or Not", "Pseudocode", "Real World Robots", "Careers in Robots" or "Autonomous Robotics", "Precision Agriculture" or a robotic topic of interest to the 4-H'er.
- H861002 Robotics Notebook** - Explore a robotics topic in-depth and present your findings in a notebook. Documentation should include any designs, research, notes, pseudocode, data tables or other evidence of the 4-H'ers learning experience. The notebook should contain at least three pages. Topics could include a programming challenge, a programming skill, calibration, sensor exploration, any of the topics suggested in Class 001 or junk drawer robotics level 3 and 4.
- H861003 Robotics Video ROBOTICS SHOWCASE** - This class should be displayed in a notebook. The notebook should include a video clip on a CD/DVD that demonstrates the robot performing the programmed function. Include your pseudo code and screenshots of the actual code with a written description of the icon/command functions. Entries should be submitted to <https://go.unl.edu/2023nesfset> by August 15th, 2023, or videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions.
- H861004 Robotics / Careers Interview** - Interview someone who is working in the field of robotics and research the career in robotics. Interviews can either be written or in a multimedia format(CD/DVD) such as a short video uploaded to a cloud sharing service. Include a QR code with your project to allow for judging access. . Multimedia reports should be between three to five minutes in length. All digital exhibits must be uploaded according to the guidelines and by the deadline listed in the department rules. Written interviews should be in a 8.5 inch x 11 inch notebook. Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12-point font, and 1 inch margins..
- H861005 Robotics Sensor Notebook** Write pseudo code which includes at least three sensor activity. Include the code written and explain the code function. Codes can be submitted as a multimedia format uploaded to a cloud sharing service. Include a QR code with your project to allow judging access. Mulitmedia presentations should be 3 to 5 minutes in length. State

Fair qualified digital exhibits must be uploaded according to the guidelines and by the deadline listed in the department rules..

- H861006 Build a Robot (may use kit) ROBOTICS SHOWCASE-** Include a robot and notebook including the pseudocodes for at least one program you have written for the robot, the robot's purpose, and any challenges or changes you would make in the robot design or programming. If robot is more than 15" inches wide and 20" inches tall, they may not be displayed in locked cases. We recommend that you submit the project under class H861003 - Robotics Video. Junk Drawer Robotics do not qualify.
- H861007 Kit Labeled Robot (cannot be free programmed) and Notebook** – This class is intended for explorations of robotic components such as arms or vehicles OR educational kits marketed as robots that do not have the ability to be programmed to “sense, plan and act”. The exhibit should include a notebook with the robot the youth has constructed. Included in the notebook should be (1) a description of what the robot does, (2) pictures of programs the robot can perform, (3) why they chose to build this particular form, and (4) how they problem solved any issues they might have had during building and programming. A picture story of assembly is recommended If robot is more than 15” inches wide and 20” inches tall they may not be displayed in locked cases.
- H861008 3D Printed Robotics Parts** -This class is intended for youth to create parts through 3D printing that help create their robot or aid the robot in completing a coded function. Project should include notebook describing the process used to create the project, describe the success of your designed piece (did it work), intended use of the product and the modifications made to the item.

GPS (Geospatial)

CLASSES

- H880001 Poster** – Create a poster (14” x 22”) communicating a GPS theme such as How GPS or GIS works, Careers that use GPS or GIS, how to use GPS, what is GIS, GPS or GIS in Agriculture, Precision Agriculture, or a geospatial topic of interest.
- H880002 4-H Favorite Places or Mapping a Historical Site Within Nebraska 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 22” X 28”.
- H880003 GPS Notebook** - Keep a log of at least 5 places visited using a GPS enabled device. For each site, record the latitude, longitude and elevation. Also include a description of the site, a paragraph explaining what was interesting about the site or finding it. Photos of each site and/or cache are optional but encouraged.
- H880004 Geocache** - Assemble a themed geocache (physical geocache is REQUIRED with exhibit). Each geocache should be a water-tight container. It should include a logbook and pencil for finders to log their visits and may include a small trinket, geo coins, etc. for the finders to trade. Documentation should include a title, teaser description and the geographic coordinates of intended placement. Register the site at geocaching.com, include a print-out of its registry. The entry may include a photograph of the cache in its intended hiding place.
- H880005 Agriculture Precision Mapping** 4-Hers will assemble a notebook that will include a minimum of 2 digital copies of various data layers that can be used in precision agriculture to identify

spatial patterns and/or correlations (printed copies of websites were applications can be purchased is acceptable) A report of how the analysis of the various data will be used to make a management decision.

H880006 4-H History Map Preserve 4-H History: 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 <https://arcg.is/1bvGogV> For more information about 4-H history go to https://4hhistorypreservation.com/History_Map/ For a step-by-step video on nominating a point, please go to this link: <https://tinyurl.com/nominate4h> Write a brief description of historical significance of 4-H place or person. (a minimum of one paragraph)

H880007 GIS Thematic Map – Using any GIS software, create a thematic. Thematic maps can utilize any subject of interest to the 4-H'er. Example map would be Amelia Earhart's or Sir Francis Drake's voyage population density maps, water usage "maps or 4-H project in Nebraska. Create GIS map using data from books, and or internet. Use reliable data, (U.S. Center or U.S. Census Bureau etc.) Map any size from 8.5" x 11" up to 36" x 24", should include Title, Base Map, Neat Line, North Arrow, and Legend. Identify the source of our information on the back of the map.

H880008 Virtual Geocache- Keep a log of at least 5 places visited using a virtual geocache platform. At least one site should be from a community other than where you live. For each site, record the latitude, longitude and elevation. Also include a description of the site, a paragraph explaining what was interesting about the site or finding it. Photos of each site and/or cache are optional, but highly encouraged.

ELECTRICITY

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

ELECTRIC POSTERS - 4-H electricity related posters (Classes 01 and 02) are to be entered in the engineering area for exhibiting and judging. Refer to Department 152, Section 152 - Posters for general requirements.

CLASSES

UNIT 1 - MAGIC OF ELECTRICITY

H870020L Bright Lights - Create your own flashlight using items found around your house. Flashlights should be made from items that could be recycled or reused. No kits please.

H870021L Control the Flow - Make a switch. Use the following items: D cell battery, battery holder, insulated wire, 2- or 2.5-volt light bulb, bulb holder, paper clip, cardboard, and two brass paper fasteners to create a circuit that you can open and close.

H870022L Conducting Things - Make a circuit with a switch and a light bulb that can be used to test different household items for their ability to act as an insulator or conductor. You must find five items that are conductors and five items that are insulators. Create a table that illustrates your results.

H870023L Is There a Fork in the Road - Use the following items to construct one parallel and one series circuit. Items: D cell battery, battery holder, insulated wire, bulb holder and a 2- or 2.5-volt light bulb.

UNIT 2 - INVESTIGATING ELECTRICITY

- H870024L Case of the Switching Circuit** - Use the following items: two D cell batteries, two battery holders, light bulb, bulb holder, a 30" x 60" piece of cardboard, six brass paper fasteners and approximately two feet of 24 gauge insulated wire to build a three-way switch. Write a short essay or create a poster that illustrates how three-way switches function.
- H870025L Rocket Launcher** - Construct a rocket launcher out of the following materials: a plastic pencil box that is at least 4" x 8", single pole switch, single throw switch, normally-open push button switch, 40 feet of 18 or 22 gauge stranded wire, 4 alligator clips, 2 x 6 board 60" long, 1/8" diameter metal rod, rosin core solder, soldering iron or gun, wire stripper, small crescent wrench, pliers, small Phillips and straight blade screwdrivers, drill, 1/8" and 1/4" drill bits, rocket engine igniters, additional drill bits matched to holes for two switches. You must successfully build a rocket launcher and light two rocket igniters with your launcher. You DO NOT have to actually fire a rocket off of the launcher. Create a poster using photographs to show the "step by step process" you used to build your launcher.
- H870026L Stop the Crime:** Build an ALARM using the following materials: On-off push button switch, mercury switch, buzzer-vibrating or piezoelectric, 9-volt battery, 9-volt battery holder, 4" x 4" by 1/8" Plexiglas board to mount circuit on; rosin core solder, soldering gun/iron, two feet of 22 gauge wire, wire strippers, hot glue sticks, hot glue gun and a plastic box with a lid to mount your alarm circuit on. Create a poster using photographs to show the "step by step process" you used to build your alarm.

UNIT 3 - WIRED FOR POWER

- H870001 Electrical Tool/Supply Kit:** Create an electrical supply kit to be used for basic electrical repair around the house. Include a brief description of each item and its use. Container should be appropriate to hold items.
- H870002 Lighting Comparison:** Display studying the efficiency of various lighting (incandescent, fluorescent, halogen, Light Emitting Diodes, etc.). Exhibit could be a poster display, or an actual item.
- H870003 Electrical Display/Item:** Show an application of one of the concepts learned in the Wired for Power project. Examples include re-wiring or building a lamp, re-wiring or making a heavy-duty extension cord or developing an electrical diagram of a house. Exhibit could be a poster display, or an actual item.
- H870004 Poster:** Should exemplify one of the lessons learned in the Wired for Power Project. Posters can be any size up to 28" x 22".

UNIT 4- ELECTRONICS

- H870005 Electrical/Electronic Part Identification:** Display different parts used for electrical/electronic work. Exhibit should show the part (either picture or actual item) and give a brief description, including symbol of each part and its function. Display should include a minimum of 10 different parts.
- H870006 Electronic Display:** Show an application of one of the concepts learned in the Electronics project. Examples include components of an electronic device (refer to p.35 of Electronic manual)
- H870007 Electronic Project:** Exhibit an electronic item designed by the 4-H'er or from a manufactured kit that shows the electronic expertise of the 4-H'er. Examples include: a radio, a computer, or a voltmeter.

H870008 Poster: Should exemplify one of the lessons learned in the Entering Electronics Project. Posters can be any size up to 28" x 22".

ALTERNATIVE/RENEWABLE ENERGIES

- A. The name and county of each exhibitor should appear separately on the back of each board, poster, or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.
- B. Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-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.)
- C. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
- D. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
- E. Demonstration boards should include an overall title for the display, plus necessary labeling.
- F. 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.

CLASSES

- H900001 Create and Compare Energy Resources Poster** – Poster should explore 2 alternative/renewable energy resources. Compare and contrast the 2 resources including two of the following information: amount of energy created, costs of production, usability of the energy, pros/cons of environmental impacts, etc. Posters can be any size up to 28" by 22."
- H900002 Experiment Notebook** – Notebook will explore the scientific method involving alternative/renewable energy sources. Information required. 1.) Hypothesis 2.) Research 3.) Experiment 4.) Measure 5.) Report or Redefine Hypothesis.
- H900003 Solar Energy Display/Poster** – Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of the sun. Examples include solar ovens, solar panels, etc.
- H900004 Water as Energy Display/Poster** - Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of water.
- H900005 Wind as Energy Display/Poster** – Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2'x2'. Include a notebook of why the item was designed and how it harnesses the power of wind.
- H900006 Other Nebraska Alternate Energy** - Notebook should explore Nebraskan alternative energy source besides wind, water, and solar power. Include information on type of power chosen, infrastructure for distribution, what resources are needed to create this alternative resource, cost of production, and potential uses of bio-products. Examples include geothermal, biomass, ethanol, bio-diesel, methane reactors, etc.

WOODWORKING

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

WOODWORKING LEVEL I & II: 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. All outside projects **MUST** have entry tag and supporting information placed in a protective bag to prevent damage from weather events such as rain and be **ATTACHED** to projects with string, zip ties, etc.

CLASSES

H910001L Article made with Hand Tools. Items made using skills learned in the Measuring Up project guide. Examples include recipe holder, stilts or other skill lever appropriate item. Construction plans must accompany item.

H910002L Article made with Power Tools. Item made using skills learned in the Making the Cut project guide. Examples include birdhouse, foot stool, and napkin or letter holder. Construction plans must accompany item.

WOODWORKING LEVELS III & IV

Nailing It Together - Unit 3

CLASSES

H911001 Woodworking Article: Item made using skills learned in the Nailing It Together manual. Examples include bookcase, coffee table or end table.

H911003 Recycled Woodworking Display – Article made from recycled, reclaimed or composite wood. Article must be appropriately finished and/or sealed and utilize one or more woodworking techniques from page 2 of the Unit 3 manual. Exhibit must include the woodworking plan and a minimum one-page report of how the engineering design process was used to develop the woodworking plan.

Engineering Design Process

1. State the problem (Why did you need this item?)
2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?)
3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?)
4. Build the item (What was your woodworking plan, and what processes did you use to build your item?)
5. Reason for article finish (What type of finish, how did you finish or why you choose this finish?)
6. Evaluate (How does your item solve the original need?)
7. Present results (How would you do this better next time?)

- H911004 Composite Wood Project** - 60% of the project must be wood and 40% made from other materials such as metal, rubber, resin, etc. All plans and plan alternations must be attached to the article. Protect plans with a cover. If project is designed to be outside, it is required to have appropriate outdoor finish because project may be displayed outside.
- H911005 Outdoor Wood Project made with Treated Wood** - Treated wood projects DO NOT have to have a finished coating. All plans and plan alternations must be attached to the article. Protect plans with a cover. If project is designed to be outside. Examples include picnic tables, planters, outdoor furniture, etc.
- H911006 – Wood Projects created on a Turning Lathe** - Article is the object created from spinning wood on a turning lathe. Article must be appropriately finished and/or sealed. Exhibit must include plans detailing design and process of completion, any changes made to the design, details of finishing techniques, and other relevant information about the article. Must include a description of tools used.

Finishing Up - Unit 4

- H911007 Woodworking Article** - Item made using skills learned in the Finishing It Up Project. Examples include dovetailing, making a pen using lathe, overlays, using a router, etc. Item is required to be appropriately finished.
- H911008 Recycled Woodworking Display** – Article made from recycled, reclaimed, or composite wood. Article must be sanded and 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 the 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

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

GUIDELINES: All welds exhibited in class 01 or 02 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, TIC, Oxy-Acetylene, etc.), 2) kind of weld, 3) welder setting, 4) electrode/wire/rod size, and 5) electrode/wire/rod ID numbers. Attach a wire to display board so it can be hung like a picture frame. No picture frame hangers accepted. If no plans are included with welding furniture, item will not qualify for State Fair. Note: 4-H'er must be in third year of a welding project to exhibit at the State Fair.

All outside projects MUST have an entry tag and supporting information placed in a protective bag to prevent damage from weather events such as rain and be ATTACHED to projects with string, zip ties, etc.

4-H Welding Project Tips and Suggestions

Welding Joints

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 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.

Stick Welding

1. Suggested coupon thickness - 1/4" if using 1/8" rod
2. Suggested rod-AC and DC straight or reverse polarity-first E-7014, second E-6013
3. MIG Welding Suggest coupon thickness - 1/4" if using .035 wire and 1/8" if using .023 wire. Oxy-Acetylene Suggested coupon thickness - 1/8", Suggested rod - 1/8 mild steel rod.

Position Welds

1. It is suggested 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" 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.

Welding Article

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.

CLASSES

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

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

H920003 Welding Art- any art created using tack welds to hold the metal pieces together (examples include horseshoe projects). Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article. Protect plans with a cover. If project is designed to be outside, it is required to have appropriate outdoor finish.

- H920004 Welding Article** - any shop article where welding is used in the construction. 60% of the item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. **Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article.** Protect plans with a cover. Protect plans with a cover.
- H920005 Welding Furniture** – any furniture with 75% welding is used in construction. 60% of item must be completed by 4-Her and notes regarding laser or machine welding must be included. Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article. Protect plans with a cover. May be displayed outside.
- H920006 Plasma Cutter/Welder Design** - 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. In the notebook include:
1. A photo (front and back) of the finished project. Also include detailed photographs of the project to allow judges to examine cuts.
 2. Instructions on how the design was created (include software used), this allows for replication of the project.
 3. Lessons learned or improvements to the project.
 4. Steps to finish the project.
- H920007 Composite Weld Project** - 60% of the project must be welded and 40% made from other materials such as wood, rubber, etc. Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article. Protect plans with a cover. If project is designed to be outside, it is required to have appropriate outdoor finish because project may be displayed outside.

DEPARTMENT Z - CLOVER KID MEMBERS

Clover Kid Project Resources: <https://shop4-h.org/collections/cloverbud-curriculum>

Clover Kid 4-H projects are for children who are 5-7 years old by January 1 of the current year. These projects are developed for use by parent and child. Clover Kid members may exhibit at the county fair in their choice of projects and will receive a special participation ribbon. No premium monies will be awarded.

Clover Kids programs involving live animals must adhere to the following guidelines:

1. **Exhibition only includes enrolled 4-H Clover kid members**, 4-H does not sponsor or support pee-wee events or exhibition. Pee-wee referring to non-4-H age youth.
2. Exhibition includes discussions with youth based on their knowledge of the care and raising of the animal. Exhibitors show in a non-competitive setting for participation only. Age, size, and temperament of animal projects must be appropriate for the exhibitor's age and size.
3. **Clover Kids may not participate in the Horse project in any capacity.** They are not allowed to handle, ride, or participate in, or at 4-H horse events per NE State 4-H rules and guidelines.
4. Calves or other animals weighing more than 350 pounds at time of show are not allowed or appropriate for this age group.
5. Appropriate animals for this age group include bucket calf, sheep, swine, goat, dog, poultry, rabbit, cat, and companion animals.
6. There will be one adult/teen volunteer present for every Clover Kid member that is handling or exhibiting animals. This applies to all animal projects.
7. Exhibitors in this age group are not allowed to participate with their animal in a livestock sale or sale or premium auction.

CLASSES – ANIMAL CARETAKER

G090001L Clover Kid Bucket Calf

G090002L Clover Kid Bottle Fed Lamb

G090003L Clover Kid Companion Animal (i.e., Cat, Rabbit, Hamster, Reptiles, etc.)

G090004L Clover Kid Dog

G090005L Clover Kid Swine

G090006L Clover Kid Goat

G090007L Clover Kid Chicken

CLASSES – CLOVER KID CLOTHING

Z10010L Sewing for Fun

C221001 Embellished Garment with Original Design – Designs are the original idea of the 4-H'er using the elements and principles of design (shape/form, texture, color, line, space, rhythm, emphasis, proportion, balance and unity) to make an original statement. Component materials used to create the design do not necessarily need to be original.

C410009L Fashion Show: Embellished Garment with Original Design - Patterns are not used. Designs of original idea of the 4-H'er and have not been produced before. Ideas from pictures as starting points for designs are acceptable when 4-H'er modifies the design or combines ideas to make an original statement. Embellishments are applied to a purchased or constructed garment.

CLASSES – CLOVER KID, continued

H85101L Lego Models

Z10001L Food and Nutrition - Making Food for Me

- A. Placemat – Colored and decorated. Lamination or protection with clear contact paper advised.
- B. Food Cards – Neatly cut and colored Food Cards, in self-sealing plastic bag or other secure container.
- C. Grain Collage – Neatly cut and pasted pictures of grains cutout and displayed on collage.
- D. Dairy Tasting Party – Completed Dairy Tasting Party form from project book page 17. May be copied or cut from manual.
- E. Protein Collage – Neatly cut and pasted pictures of protein sources and foods displayed on collage.
- F. Healthy Snack – Four cookies, bars, muffins, etc., on a paper plate, or at least 1 cup of mix. (Examples might include snack mix made from a cereal base, no-bake or simple cookie or granola bar).

Z10002L Outdoor Discovery-Just Outside Your Door- CLOVER KID may choose two (2) of the following:

- A. One plant you have grown
- B. Bird Feeder
- C. Insect, Amphibian, Fish or Wildlife Model
- D. Cork Sailboat

Z10003L Citizenship -Family Celebrations Around the World CLOVER KID may choose two (2) of the following:

- A. Mexican Piñata
- B. Japanese Doll
- C. Carp Kite
- D. Rakhi Bracelet

Z10004L Aerospace - CLOVER KID may choose two (2) of the following

- A. Draw and Color a picture of a rocket. Label the three (3) main parts - fins, body tube and nose cone.
- B. Paper airplane.
- C. Flight booklet described on pages 6 & 7 of manual.
- D. Space Buggy - Design and make a spacecraft from household items or items that could be re- used instead of being thrown away. Materials list: scissors, glue, assorted clean household materials such as paper towel tubes, tissue boxes, plastic bottle, etc. Draw a picture design of your buggy on a sheet of paper. On another separate sheet of paper briefly explain the job/jobs your space buggy can do.
- E. Space Station - Draw a design of what you think an International Space Station of the future might look like. Using household items build a model of that station. On a sheet of paper describe how scientists would use your Space Station.

- Z10006L Theatre Arts – CLOVER KID**
- A. Handmade Puppet
 - B. Picture Story
- Z10007L Safety - Bicycle Adventures – CLOVER KID**
- A. Safety Poster
 - B. Bicycle Parts Poster
 - C. Educational Exhibit
- Z10008L Home Environment-A Space for Me – CLOVER KID**
- A. Decorative Storage Box
 - B. Decorative Container (i.e., waste basket, pencil holder)
 - C. Mobile
 - D. Collage
 - E. Message Board
 - F. Other exhibit from project manual
- Z10009L General Clover Kid Program**