

# Butler County Fair

2022 4-H & FFA Premium Book



## Butler County Fair 2022

Butler County Fairgrounds  
David City, Nebraska 68632  
Phone: 402-367-3551 (during fair only)  
Fair Website: <http://www.butler-county-fair.com>  
Extension Office Website: <http://extension.unl.edu/statewide/butler/>  
Extension Office Phone: 402-367-7410 Email: [butler-county@unl.edu](mailto:butler-county@unl.edu)



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska-Lincoln cooperating with the Counties and the United States Department of Agriculture.  
The 4-H Youth Development program abides with the nondiscrimination policies of the University of Nebraska-Lincoln and the United States Department of Agriculture.

2022 Butler County Fair 4-H & FFA Premium Book  
Double the Fun in '21, July 13-18, 2021

THANKS TO OUR PARTNERS!

The following community partners provided support to our 4-H program in 2021. Trophies and other awards, including YQCA sponsorships, were purchased with these donations. We appreciate the support and continued interest of these organizations, businesses and individuals to the Butler County 4-H program.

Those businesses and individuals who contribute towards the 2022 Butler County 4-H Award Program will be listed in next year's fairbook as well as livestock show programs during the current year's shows. Thanks for all your support!

**Double Diamond Sponsor \$500**

Butler County Pork Producers  
Farm Bureau Services  
Matt & Stephanie Summers  
Tuls Dairy Butler County

**Ruby Clover Sponsor \$250**

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**Bronze Clover Sponsor \$30**

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**Green Clover Sponsor \$10-\$20**

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**Additional Sponsors:**

Butler County Noxious Weed Control  
Michael Foods, Inc.  
Kershner Club Lambs

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### **Auxiliary Vehicles**

No motorized utility vehicles or auxiliary vehicles will be allowed for operation at the Butler County Fairgrounds. This includes but is not limited to golf carts, service carts, four/three wheelers, ATV's & UTV's.

All Butler County Ag Society vehicles will be marked with an appropriate badge. Only Butler County Ag Society members are allowed to drive authorized vehicles.

#### **BUTLER COUNTY AGRICULTURAL SOCIETY MEMBERS**

**Officers:**

President:	Donnie Steager	Vice President:	Becky Kresha
Secretary:	Nancy Krenk	Treasurer:	Mandi Topil

**Board of Directors:**

Angie Coufal	Andy Moravec	Lane Sabata
Nancy Krenk	Brad Muesch	Randy Schultz
Steve Fuxa	Dena Ross	Donnie Steager
Kevin Havlovic	Mandi Polivka	Mandi Topil
Becky Kresha	Tim Reimer	Kalen Vandenberg

#### 4-H/FFA PAY CATEGORIES

Pay Category	Purple	Blue	Red	White
1	\$15.00	\$12.00	\$10.00	\$5.00
2	\$10.00	\$8.00	\$6.00	\$4.00
3	\$5.00	\$4.00	\$3.00	\$2.00
4	\$4.00	\$3.00	\$2.00	\$1.00
5	\$1.00			
6	\$10.00			
7	\$0	\$0	\$0	\$0
8	\$8	\$6	\$4	\$2

**4-H Premiums not picked up immediately following the fair, are available for pick up at the Butler County Extension Office through August 15.**

#### GENERAL INFORMATION FOR ALL 4-H & FFA MEMBERS

##### ELIGIBILITY

4-H members must turn 9 years of age during the current calendar year. A 4-H'er becomes ineligible if he/she turns 20 years of age during the current calendar year. Voc. Ag & FFA exhibitors must be currently enrolled in a Butler County High School FFA program. All exhibits must be the work performed as part of the current year's 4-H or FFA program, with the exception of Department G – Fall Harvested Crops. Exhibitors must be enrolled in the 4-H program by the June 15 deadline.

##### WHAT ENTRIES MAY BE MADE?

Only articles mentioned in the premium list will be given a placing. An exhibitor who is found to have tampered with or entered any exhibit that is not HIS or HER own work will forfeit any premium, ribbon and cash won. All exhibits are entered at exhibitor's own risk. The Ag Society or University of Nebraska-Lincoln Extension in Butler County will **NOT** be responsible for lost or damaged items.

##### HOW TO MAKE ENTRIES

All clothing, sewing, style revue, livestock and exhibit hall entries and narration sheets (style revue) must be pre-entered to the Extension Office prior to June 15 via on-line entry @ <https://butler.fairmanager.com>. However, an exhibitor may enter up to an additional 5 exhibits (static exhibits only – NO animals) on entry day. Exhibitors must be enrolled in the project area corresponding to the additional exhibits.

##### PROCEDURE ON MAKING ENTRIES

All entries – livestock and static – must be entered on-line @ <https://butler.fairmanager.com>. Entry cards for static exhibits will be printed by the Extension Office staff and will be available for pick-up by the 4-H'er on Monday of fair week. Only one entry per person per class number may be made except in beef, sheep, goat, swine, dairy, rabbit and poultry classes.

##### NUMBER OF ENTRIES IN LIVESTOCK/SMALL ANIMALS

A 4-H/FFA exhibitor is limited to exhibiting three (3) market beef; two (2) feeder calves; two (2) breeding heifers; one (1) bucket calf; one (1) cow/calf pair; four (4) market hogs; two (2) breeding ewes; four (4) market lambs; two (2) breeding goats; and four (4) meat goats; eight (8) poultry; and five (5) rabbits. The numbers represented here are a **combined** total if the exhibitor is showing both 4-H and FFA livestock.

##### NOTICE TO 4-H/FFA EXHIBITORS AND LEADERS

All State 4-H Rules will be followed unless otherwise stated. However, final decisions will be made by department superintendents and Extension/FFA personnel.

All 4-H/FFA premium money will be given during the fair. Livestock monies will be awarded at the livestock shows; exhibit hall premiums will be available at a specified time during the fair in the Event Center. Exhibitors who exhibit in open class must also pick up their premium money at the same location.

Additional monetary awards, other than premiums, will only be awarded if donations are received for that specific category.

**Early removal of static or livestock exhibits is not allowed.** ALL EXHIBITS must be removed, or arrangements made for removal between 7:00 pm and 8:30 pm on Sunday or may be picked up on the Monday immediately following the fair at the Butler County Extension Office. **STALLS AND PENS** must be left clean after livestock leaves the fair.

STATE FAIR 4-H RULES will be followed if this book does not cover the situation.

### STATE FAIR ELIGIBILITY

A static entry must receive a purple ribbon to be considered for a State Fair exhibit and/or awards at the Butler County Fair. An entry with an asterisk (\*) preceding the entry number is a county only entry, it is not eligible for State Fair competition.

### SUBSTANCE ABUSE POLICY

The use or possession of alcoholic beverages or drugs (except for medical purposes) by an exhibitor who is participating in 4-H/FFA at the Butler County Fair will result in the immediate disqualification of that exhibitor's entries.

### DISCLAIMER – CARE OF EXHIBITS

#### APPEALS/PROTESTS

Any person, who feels that a violation of the rules or regulations of the Butler County Fair 4-H/FFA competitions has occurred, must go through a protest/appeals process. This appeals process covers all 4-H contests, static exhibits, and livestock exhibits/shows.

The respective superintendent has the authority to make appropriate decisions based on the 4-H/FFA Premium Book. When needed, the protest committee (consisting of respective superintendent, Ag Society representatives, 4-H Council representatives, FFA instructor and Extension Educator) will meet to act upon concerns. The FFA instructor will be asked to be present only when the situation involves FFA livestock or static entries. **Protests for pre-fair contests/competitions must be submitted no later than 7 days after the contest/competition. Protests for fair exhibits/shows will not be accepted after the exhibit release time.**

All protests must be submitted in writing and signed by the filing party in the time specified. The written protest must be submitted to the 4-H Youth Development Extension Educator and must include:

1. Name of person(s) involved.
2. Nature of concern
3. Situation and documentation
4. Recommendations for corrections
5. Specific action, rule, etc. in question
6. Additional person(s) committee may contact for further clarification
7. Procedures and/or steps carried out by person involved prior to submission of protest to the 4-H Youth Development Extension Educator and/or FFA Advisor.

The committee will review the written protest. They may discuss the situation with the affected persons and show/contest/exhibit officials/superintendents, including the Extension Educator-Unit Leader. Recommendations will be developed, followed and communicated both verbally and in writing to the group or the individual(s) affected.

In cases of protest, the exhibitor(s) may be allowed to exhibit/show/compete, but results of exhibiting/showing/competing will be subject to change based on the outcome of the protest process. This allows for the smooth operation of the shows/competitions and facilitates appropriate processing.

The management reserves the right to withhold premiums and/or awards. The exhibitor(s) may also be excluded from the show/exhibit hall/contest if action warrants. **Protests related to the judges' integrity, decisions, placings or other evaluations will NOT be accepted.**

### 4-H Youth/Parent/Guardian 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 put-downs, insults, name calling, swearing and other language or nonverbal conduct likely to offend, hurt or set a bad example.

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

4-H Parents, Guardian and/or Youth who do not abide by the above code of conduct, may receive the following consequences:

- Be asked to explain actions to the 4-H Council.
- Be dismissed from an event at own expense.
- Further disciplinary action determined by the 4-H Council, which may include:
  - restriction from contacting 4-H families, volunteers, donors, and/or sponsors pertaining to any 4-H matter
  - becoming ineligible to attend any further 4-H activities
  - family may become ineligible to participate in the County 4-H Program
- 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.

**\*By entering an exhibit at Butler County Fair, FFA members and their parents/guardians agree to the 4-H Code of**

## DEPARTMENT A – Heritage

An exhibit of items, pictures, maps, charts, slides/tapes, drawing, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history. **Please note:** Exhibits are entered at 4-H's own risk. Nebraska Extension in Butler County along with the Butler County Ag Society will not be responsible for loss or damage to family heirloom items or any items in this division. Displays should not be larger than 22" x 28" wide. If the size needs to be a different size because the historical item is larger than 22"x28 please contact the superintendent's office for approval. Display collections securely in an attractive container no larger than 22" x 28". If the size needs to be a different size because the historical item is larger than 22"x 28" please contact the superintendents for approval. Exhibits must include NAME – COUNTY- PAST EXPERIENCE –years in Explore Your Heritage, on back of exhibit. All entries must have documentation included. SF71.

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

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

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

### Pay Category #4

- A-101-001 **Heritage poster or flat exhibit** – Entries may be pictures, posters, items that depict family heritage. Exhibits must be supported by a written explanation.
- A-101-002 **Family Genealogy/History Notebook** – Include pedigree charts/family group sheets, with documentation for two-three generations of one family line, expanding each year. If multiple books included in exhibit, only bring book with most current year's work.
- A-101-003 **Local History Scrapbook/Notebook** – Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- A-101-004 **Framed Family Groupings** (or individual) of pictures showing family history. Pictures must be supported by a written explanation.
- A-101-005 **Other exhibits depicting the heritage of the member's family or community** – Exhibit must be supported by a written explanation. May include biographical album of themselves or another family member, family cookbooks, etc.
- A-101-006 **4-H History Scrapbook** – A scrapbook relating to 4-H history of local club or county. Must be work of individual 4-H'er – no club project. If multiple books included in exhibit, only bring book with most current year's work.
- A-101-007 **4-H History Poster** – Poster relating 4-H history of local club or county or individual.
- A-101-008 **Story or illustration** about a historical event.
- A-101-009 **Book review** about local, Nebraska or regional history.
- A-101-010 **Other historical exhibits** – Attach an explanation of historical importance.
- A-101-011 **Family Traditions Book** – Exhibitor scrapbook depicting family traditions of the past.
- A-101-012 **Family Traditions Exhibit** – Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.
- A-101-013 **4-H Club/County Scrapbook** – Scrapbook relating 4-H history of local club or county compiled by club historian. If multiple books included in exhibit, only bring book with most current year's work.
- A-101-014 **4-H Member Scrapbook** – Scrapbook relating to individual 4-H members' 4-H history. If multiple books included in exhibit, only bring book with most current year's work.
- A-101-015 **Special Events Scrapbook** – A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal of family special event, such as a trip, family reunion, etc.

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

### Pay Category #4

- A-102-001 **Heritage poster or flat exhibit** – Entries may be pictures, posters, items that depict family heritage. Exhibits must be supported by a written explanation. If multiple books included in exhibit, only bring book with most current year's work.
- A-102-002 **Family Genealogy/History Notebook** – Include pedigree charts/family group sheets, with documentation for two-three generations of one family line, expanding each year. If multiple books included in exhibit, only bring book with most current year's work.
- A-102-003 **Local History Scrapbook/Notebook** – Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- A-102-004 **Framed Family Photos** (or individual) of pictures showing family history. Pictures must be supported by a written explanation.
- A-102-005 **Other exhibits depicting the heritage of the member's family or community** – Exhibit must be supported by a written explanation. May include biographical album of themselves or another family member, family cookbooks, etc.
- A-102-006 **4-H History Scrapbook** – A scrapbook relating to 4-H history of local club or county. Must be work of individual 4-H'er – no club project. If multiple books included in exhibit, only bring book with most current year's work.
- A-102-007 **4-H History Poster** – Poster relating 4-H history of local club or county or individual.
- A-102-008 **Story or illustration** about a historical event.
- A-102-009 **Book review** about local, Nebraska or regional history.
- A-102-010 **Other historical exhibits** – Attach an explanation of historical importance.
- A-102-011 **Exhibit depicting the importance of a community** or Nebraska historic landmark.
- A-102-012 **Community Report** documenting something of historical significance from past to present.
- A-102-013 **Historic Collection** (displayed securely and attractively in a container no larger than 22" x 28").
- A-102-014 **Video Documentary** of a family or a community event. Must be produced and edited by 4-H member.
- A-102-015 **4-H Club/County Scrapbook** – Scrapbook relating 4-H history of local club or county compiled by club historian. If multiple books included in exhibit, only bring book with most current year's work.
- A-102-016 **4-H Member Scrapbook** – Scrapbook relating to individual 4-H member's 4-H history. If multiple books included in exhibit, only bring book with most current year's work.
- A-102-017 **Special Events Scrapbook** – A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal or family special event, such as a trip, family reunion, etc.

## Division 120, Citizenship

Pay Category #4

**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.

**Display:** Not larger than 22" x 28". Display collections securely in an attractive container no larger than 22" x 28".

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

- The purpose of the exhibit
- Exhibitors are encouraged to show evidence of their personal experiences, study or observations that relate to their 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.

Project Manuals: The official references for the citizenship projects is Citizen Guide's Handbook. Other helpful references include Citizenship Washington Focus guides, Character Counts! And Service Learning Information.

**Scoring:** Scoresheets, forms, contest study materials and additional resources at <https://go.unl.edu/ne4h4citizenship>.

**Entries:** Each exhibitor is limited to one item per class number. All static exhibits must have received a purple ribbon at county fair to advance to State Fair.

**Resources URL:** [https://4hcurriculum.unl.edu/index.php/main/program\\_project/91](https://4hcurriculum.unl.edu/index.php/main/program_project/91)

A-120-001 **Care Package Display** – This exhibit is a display about the PROCESS of creating and giving a care package, not the actual care package. You may use a poster, PowerPoint or another multi-media program to tell about the PROCESS of developing and giving a care package to a service organization. PowerPoint should be saved to a USB/thumb drive. You need to answer the following questions in your exhibit.

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

Some examples of care packages: backpack for school supplies, litter pan for animal shelter items, suitcase for abuse shelter/homeless shelter, etc.

A-120-002 **Citizenship Game** which could include but is not limited to symbol flash cards, question and answer board or stimulation with props. Clear instructions on how to play the game and what the game hopes to accomplish must be included.

A-120-003 **Patriotic or Cultural Fine Arts** can be made of any art media but should tie in the relevance of the artwork to citizenship.

A-120-004 **Public Adventure Scrapbook** should describe your Public Adventure or Service Learning Activity. Scrapbooks must measure no more than 16" x 16".

A-120-005 **Public Adventure Poster** should describe your Public Adventure or Service Learning Activity. Display posters must be stiff enough to stand when supported from behind and below. Length and width must be no more than 24" x 28".

A-120-006 **Written or Recorded Stakeholder Interview** should follow the outline found in the Public Adventures curriculum. It may be written or recorded.

A-120-007 **Written Citizenship Essay** is designed to promote good citizenship and patriotism. This essay is open to all age groups. All essays should be 300-400 typewritten words.

A-120-008 **For 9-12 Graders Only: Oral Citizenship Essay** addressing the theme "Freedom's Obligations" should be 3-5 minutes. No background music, singing or other enhancement allowed. All essays should be saved as a .wav or mp3 file: a USB/thumb drive will be accepted. Voice tone should be normal and conversational. A copy of the written essay should be attached.

A-120-009 **Service Items** can include but aren't limited to lap quilt and homemade toys. Only non-perishable items will be accepted. Attached to the exhibit should be an explanation of 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.

A-120-010 **4-H Club Exhibit** should depict what a 4-H club has done in the area of community service. This item could include, but is not limited to, a service item, poster, scrapbook, and cultural or creative arts item or care package.

## Division 130 – Seeing i2i

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

A-130-001 **Cultural Fine Arts** can be made of any art media but should symbolize what makes the media unique.

A-130-002 **How are We Different?** Interview should follow the interview guide in the participant manual on page 3 and should reflect on the differences and similarities between you and the person you are interviewing.

A-130-003 **Name Art** should be a creative art exhibit that symbolizes or explains where your name came from and what it means. Can use any media.

A-130-004 **Family History** depicting your family cultural history or the ethnic make-up of your community noting who were the first settlers, where did they come from, is there evidence of the background today (local celebrations, family celebrations, museum or educational displays, historical markers, etc.)

A-130-005 **Exhibit depicting a cultural food** that is special to your family. Can be a story or essay.

A-130-006 **"This is Who I Am"** poem. A poem written by the 4-Her that reflects who they are.

A-130-007 **Poster** that depicts what you have learned through the i2i Project.

A-130-008 **Biography** about an historical figure that has made a positive impact on our society or who have made a difference in the lives of others.

A-130-009 **Play Script** written about a different culture.

## DEPARTMENT B – COMMUNICATIONS & EXPRESSIVE ARTS

### Department B – Special Exhibits

#### Division 150 – Banners & Special Exhibits

Pay Category #6

##### Guidelines:

- Each banner should illustrate a phase of 4-H work or promote 4-H generally. Copyrighted materials cannot be used.
- When using the official 4-H Emblem (clover with the H's on each leaf), it must follow approved guidelines, which can be viewed at <https://4h.unl.edu/name-emblem-guidelines>.
- Banners are a two dimensional display, depicting one idea. See Posters for exhibit guidelines.
- Banners must be hung on at least a ½" dowel or a rod strong enough to support the banner. The dowel should be at least 2 inches longer than the banner.
- Banners should be made of materials that permit the banner to be folded or rolled without damaging the display. Three dimensional objects should not be attached to the front of the banner.
- Attach a club label and the current entry tag to the front lower left-hand (as your face it) corner of the banner.

\*B-150-001 **Club Banner**

#### Division 150 – Club Exhibit

Pay Category #6

This is an exhibit that will be displayed on the fairgrounds. Exhibits must have a 4-H or "fair theme". Examples of this exhibit are decorated hay bales, decorated and planted flower barrels, decorated trash barrels, club poster etc. All supplies will be furnished by the exhibitors. Each club is allowed one exhibit. **Fair Theme, Special: Melding History and Art; or club's choice theme.**

\*B-150-002 **Club Exhibit**

#### Division 150 – Special Theme Exhibits

Pay Category #4

\*B-150-003 **Bone Creek Museum Theme Exhibit**-Items are designed and constructed at the summer Bone Creek workshop event. The exhibits are part of a special Bone Creek Museum of Agrarian Art display at Butler County Fair, no ribbon is assigned. A participation premium is awarded to all contributors.

\*B-150-004 **Special Fair Theme Exhibit**-all age levels. Entries may be pictures, posters, stories, poems, or similar items. The 4-H member will determine the exhibit which will relate to the current Fair's theme. Exhibits will be judged and premiums will be awarded.

### Department B – Photography

#### General Photography Rules

1. 4-H members are allowed to exhibit in only one photography level.
2. 4-H members may enter one exhibit per class.
3. An image may only be used on one exhibit with the exception of Portfolios, which may include images entered in other classes.
4. Cameras: Photos may be taken with any type of film or digital camera, including phones, tablets, and drones
5. Photos must be shot by 4-H member during the current project year with the exception of Portfolios, which may include images captured and/or exhibited in previous years.
6. Securely attach photos, mats, backing, and data tags. Exhibits that are poorly attached may be disqualified. Do not use photo corners, borders, or place coverings over the exhibits.
7. Portfolios: All portfolios must include the following information: 1) 1-page max bio, 2) table of contents, 3) year each photo was taken, 4) title for each image, 5) device make and model used to capture each image, and 6) reflections for each photo. When writing reflections, youth should focus on what new photography techniques or skills they were practicing when they took the photo, what makes the image successful, and what could have been done to improve the image. Portfolios may be presented in either print or digital formats:
  - A. Printed portfolios should be presented in a 8.5"x11" three-ring binder or similar book format. Recommended photo size is 8"x10". Matting is not necessary.
  - B. Digital portfolios may be presented online and must be exhibited along with a single 8.5x11 flyer. Flyers must include a link, URL, or QR code that takes users (judges and fairgoers) to their online portfolio.
8. **Display Exhibits:** Display exhibits are only accepted in Level II. Displays consist of three 4"x6" photos mounted on a single horizontal 11"x14" black or white poster or mat board. Incorrect sizes will not be accepted. No foam board backing should be used. Each photo in the display must be numbered using a pencil. Numbers should be readable but not distract from the overall display. No titles, captions, or stick-on numbers will be allowed. Photos may be mounted vertically or horizontally. Appropriate Data Tags are required (see rule regarding Data Tags).
9. **Print Exhibits:** Print exhibits must be 8"x10" printed mounted in 11"x14" (outside size) cut matting with a sandwich mat board backing. Incorrect sizes will not be accepted. No foam board should be used for matting or backing. Mat openings may be rectangular or oval. Photos may be horizontal or vertical. No frames are allowed. Appropriate data tags are required (see rule regarding Data Tags).
10. **Entry Tags:** Entry tags should be securely attached to the upper right-hand corner of the exhibit.
11. **Data Tags:** Data Tags are required on all print and display exhibits. Data tags are not required for portfolios. Each exhibit must have the appropriate number and level of data tags Data tags are available at: <https://unl.app.box.com/s/1ttnemphrd4szykl5t9xm1ofiezi86js>



**Division 183- Butler County: Open to All Experience Levels****Pay Category #3**

Photos must be taken by the 4-H'er during the current year in Butler County. Photos need to be at least a 4"x6" and must be mounted on black (preferred) or white poster board or matting board. Use Photography Data Tag 1 for Butler County classes.

- \*B-183-001 **Butler County Architecture**
- \*B-183-002 **Butler County Animals**
- \*B-183-003 **Butler County People**
- \*B-183-004 **Butler County Landscapes**
- \*B-183-005 **Butler County Events**
- \*B-183-006 **Butler County Other**

**Division 180 – Level 1****Pay Category #3****Guidelines****A. Level 1 Picture Displays:**

- Three 4" x 6" photos mounted on a single horizontal **11" x 14"** black (preferred) or white poster or matting board.
- Every photo on picture display must be **pencil** numbered (no. 2 lead pencil) below (for judge's reference only). Numbers should be readable but not detract from display.
- No titles, captions, or stick-on numbers will be allowed.
- Photos must be mounted vertically or horizontally.
- Data Tags (part A is required (see General Rule G).

**B. Level 1 Photo Journal:**

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

- \*B-180-001 **Picture Display** – Entry will consist of **3 pictures from 3 different categories**. Categories to be selected from include: 1) animal; 2) building; 3) people; 4) landscape; 5) special effects; 6) still life; 7) sports.
- \*B-180-002 **Photogram** – An entry will consist of **one photogram** developed on 8" x 10" black and white photographic paper, mounted in 11" x 14" cut matting with sandwich backing. Entry will be judged on creativity, use of shape, texture, black to white color variance, correct exposure and comparison.
- \*B-180-003 **Panorama Exhibit** - Entry will consist of an arrangement of **3-5 pictures connected** to show a wide angle of a subject. Panorama displays must be mounted on a horizontal 14" x 22" poster board. Pictures may have some overlap. Unwanted excess can be cropped (cut).
- \*B180-004 **Lighting Display** – Entry will consist of **3 pictures of 3 different photography techniques**. Categories to be selected from include: 1) back lighting; 2) diffuse lighting; 3) front lighting; 4) side lighting; 5) flash (artificial light).
- \*B180-005 **Building/Landscape Picture Display** – An entry will consist **3 pictures of 3 different subjects** which will include buildings and landscape.
- \*B-180-006 **People/Animals Picture Display** – An entry will consist of **3 pictures of 3 different subjects** which will include people and animals.
- \*B-180-007 **Photo Journal** – Entry will consist of a single completed and bound section of project 1, 2, 3 or 4 in the level 1 project manual titled "Focus on Photography".
- \*B-180-008 **Photo Story Display** – Entry will consist of a display of **3 pictures** that tell the beginning, middle and end of a story.
- \*B-180-009 **Fun With Shadows Display** – Entry will consist of **3 pictures of 3 different subjects** that capture the image of the shadow.
- \*B-180-010 **Magic and Tricks Display** – Entry will consist of a display of **3 pictures of 3 different subjects** that use a "special effect" to create interesting photos.
- \*B-180-011 **Still Life, or Sports Picture Display** – An entry will consist of **3 pictures of 3 different subjects** showing still life and /or sports in any combination.
- \*B-180-012 **My Favorite Other Picture** – Any other favorite photo. Exhibit may range in size from 3" x 5" to 8" x 10" mounted in appropriate size cut matting (no frames) with a sandwich backing.
- \*B-180-013 **Digital Photography Display** – Entry will consist of **3 different pictures** taken with a digital camera.

**Division 181 - Level 2 Next Level****Pay Category #3**

- B-181-010 **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. SF88
- B-181-020 **Creative Techniques & Lighting Display or Print:** Photos should capture a creative use of lighting, such as diffused lighting, backlighting, or hard lighting, reflections, or another lighting technique covered in Book 2 Next Level Photography (Activity 3, 4, 5). SF87
- B-181-030 **Creative Composition Display or Print:** Photos should capture a creative composition using the Rule of Thirds, Golden Triangle, Golden Rectangle, or another composition technique covered in Book 2 Next Level Photography. (Activity 6, 7, 8, 9). SF87
- B-181-040 **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). SF87

- B-181-050 **Candid Photography Display of Print:** Candid photos should capture a special moment or meaningful interaction. Photos should be un-posed. (Activity 10.) SF87
- B-181-060 **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). SF87

### Division 182 - Level 3 Mastering Photography

Pay Category #3

- B-182-010 **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. SF88
- B-182-020 **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). SF89
- B-182-030 **Advanced Composition Print:** Photos should show advanced compositions, such as using diagonal, horizontal, or vertical lines or repeating shapes to frame a subject or lead the viewers eye through a scene; breaking the rule of thirds to compose a discordant image; or another advanced composition technique covered in Book 3 Mastering Photography (Activity 6, 7). SF89
- B-182-040 **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). SF89
- B-182-050 **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). SF89
- B-182-060 **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). SF89

## FAMILY SCIENCE

### Department C - Human Development

Scoresheets, forms, contest study materials, and additional resources can be found at <http://go.unl.edu/ne4hhumandevlopment>.

**Information Sheets** - Each exhibit in classes 1-6 & class 8: Final ribbon placing of the exhibit will include the completeness and accuracy of this information sheet.

Information sheets for Classes 1-6 should include:

- 1) Where did I get the idea for this exhibit?
- 2) What decisions did I make to be sure exhibit is safe for child to use?
- 3) What age is this toy, gam or activity appropriate for and why? (Infant, Birth-18 mos.: Toddlers, 18 mos.-3 yrs or Middle Childhood, 6-9 yrs.) 4-H'ers must give at least two 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 this child?

Information sheet for Class 8 should include:

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

### Division 200 - Human Development

Pay Category #4

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

2. Categories: are based on the Early Learning Guidelines in Nebraska which identify the important areas in which our children should grow and develop. Use the Nebraska Department of Education website and the resources around the Early Learning Guidelines to help understand the six areas and the skills children need to develop to create your exhibit, in conjunction with your project manual.

<https://www.education.ne.gov/oec/early-learning-guidelines>

- C-200-001 **Social Emotional Development** (SF30)
- C-200-002 **Language and Literacy Development** (SF30)
- C-200-003 **Science** (SF30)
- C-200-004 **Health and Physical Development** (SF30)
- C-200-005 **Math** (SF30)
- C-200-006 **Creative Arts** (SF30)
- C-200-007 **Activity with a Younger Child**-Poster or scrapbook showing 4-H'er working with a child ages 0 to 8 years. May show making something with the child, or childcare or 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. SF115

- C-200-008 **Babysitting Kit**-Purpose of the kit is for the 4-H'er to take this with them when they babysit in someone else's home. Do not make kit for combination of ages or for your own family to use. 4-H'er should make one or more items in the kit, but purchased items are also allowed. A list of items in the kit is suggested to be included. Display in box or bag suitable for what it contains. Approximate size not larger than 12"x15"x10". All items in kit must be safe for child to handle. Information sheet for Class C200008 should include: 1) State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for. 2) What are children this age like? Give 2 examples to show how the kit would be appropriate for children this age. 3) What will the child learn or what skills will they gain by using the kit? 4) What item(s) were made by the 4-H'er. Most importantly the kit should serve a defined purpose, not just be a catch all for several items. SF85

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

- C-200-009 **Family Involvement Entry**. Scrapbook, poster or story describing an activity the family did together. It might include making something such as a doll house or feedbunk. 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. SF115

4-H'ers taking Growing All Together (2 or 3) may enter:

- C-200-010 **Growing With Others. Scrapbook or poster**. 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.SF115
- C-200-011 **Growing in Communities. Scrapbook or poster**. Examples: A career study. A photo story about your own growth and development, not only physically but emotionally, socially, spiritually, mentally. A television evaluation (see project manual). How you have overcome obstacles. Friendships. A community profile. A community service project. Working with parents. Teaching experiences. Understanding discipline. Playground safety check. SF115

## Department C – Clothing/Sewing

All clothing exhibits will be judged on Wednesday, July 18 at the Butler County Fairgrounds. Items must be preregistered at the extension office by June 15. Interview judging and modeling times will be first come, first served.

- A. **Number of Entries Per Individual** - Each individual is limited to one exhibit per class number.
- B. **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.
- C. **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.
- D. **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. Wool garments and garments with narrow straps hang better on other hangers, i.e., wooden or notched plastic hangers. As you look at the garment place the hooks of the hanger to the left. Use safety pins to fasten skirts, shorts, and pants to hangers. Each piece should be entered on its own hanger. If more than one hanger is used for an entry, fasten hangers belonging to one exhibit together with twist ties or rubber bands. **All items need to be in clear garment bags.**
- E. **General** - Garments as listed may be made for self (4-H member) or another person. 4-H'ers enrolled in clothing projects should continue their skill development. Once you have exhibited in a higher level, you are not eligible to exhibit in a lower level. Ex. Once you exhibit in STEAM Clothing 3, you are not eligible to exhibit in STEAM Clothing 2.
- F. **Criteria for Judging** - Refer to the Nebraska 4-H website <http://www.4h.unl.edu> for current state fair scoresheets. In addition, all entries must conform to rules and regulations as set forth in this Premium List.
- G.

### Division 900 – STEAM Clothing 1

### Pay Category # 4

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

- \*C-900-001 **Clothing Portfolio** – Complete at least three difference samples/activities from Chapter 2 OR Chapter 3 of the project manual. The Portfolio should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover, dividers, and table of contents. (Additional pages can be added each year but should be dated.) See pages 9-10 for portfolio formatting.
- \*C-900-002 **Sewing Kit** – Include a list of sewing notions and purpose for each included. (pg. 12-17 in project manual)
- \*C-900-003 **Fabric Textile Scrapbook** – Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover. See project manual for fabric suggestions.
- \*C-900-004 **What's The Difference** – 4-H members enrolled in STEAM Clothing 1 may enter an exhibit (not to exceed 22" X 30") a notebook, poster, small display sharing a project comparison and price point. See project manual, "What's the Difference?" page 118-119. Exhibits should include pictures, NO actual pillows.

- \*C-900-005 **Clothing Service Project** – Can include pillows or pillowcases but are not limited to these items. Exhibit (not to exceed 22" x 30") a notebook, poster, small display sharing information you generated in the project activity "Serving A Purpose" page 124 and 125.

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

- \*C-900-006 **Pincushion**
- \*C-900-007 **Pillowcase**
- \*C-900-008 **Simple Pillow** – No larger than 18" x 18".
- \*C-900-009 **Bag/Purse** - No zippers or buttonholes
- \*C-900-010 **Simple Top**
- \*C-900-011 **Simple Bottom** – pants, shorts, or skirt
- \*C-900-012 **Simple Dress**
- \*C-900-013 **Other** – Using skills learned in project manual. (apron, vest, etc.)
- \*C-900-014 **Upcycled Simple Garment** – The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. A "before" picture and a description of the redesign process must accompany the entry or it will be disqualified.
- \*C-900-015 **Upcycled Accessory** – A wearable accessory made from a used item. The item used must be changed in some way in the "redesign" process. A "before" picture and a description of the redesign process must accompany the entry or it will be disqualified.

#### Division 220 – General Clothing

Pay Category #4

- C-220-001 **Clothing Portfolio** – SF20 - Complete at least four different samples/activities from Chapters 2, 3, or 4 of the project manual. The Portfolio should be placed in an 8 ½ 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 STEAM Clothing 2. Simply Sewing project manual for portfolio formatting.
- C-220-002 **Textile Science Scrapbook** – SF20 – Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in STEAM Clothing 2: Simply Sewing project manual to identify fabric swatches. **Completed textile cards should be placed in an 8 ½ 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 project manual for fabric suggestions.
- C-220-003 **Sewing for Profit** – SF63 – Using page 161-167 in the STEAM Clothing 2: Simply Sewing project manual, display what products you posted online and analyze the cost of goods purchased to determine the appropriate selling price for your project. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 11" x 30".

#### Division 221 – Beyond the Needle

Pay Category #4

4-H members must show their own original creativity.

- \*C-221-901 **Beginning Embellished Garment** – Create a garment using beginning techniques as defined in the project manual. Designs are the original idea of the 4-H'er using the elements and principles of design to make an original statement.
- \*C-221-902 **Beginning Textile Clothing Accessory** – Accessory is constructed and/or decorated using techniques as defined in the project manual. Entry examples include: hats, bags, scarves, gloves, apron, etc.
- C-221-001 **Design Portfolio** – Complete at least three difference samples/activities from the project manual. The Portfolio should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover, dividers, and table of contents. (Additional pages can be added each year but should be dated.) See pages 14-16 for portfolio formatting.
- C-221-002 **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".
- C-221-003 **Embellished Garment with Original Design** – Create a garment 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. Scoresheet SF26
- C-221-004 **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. Include information on how the fabric was designed – describe the process and materials used. If additional information is not included, exhibit will be lowered one ribbon placing. Scoresheet SF26
- C-221-005 **Item (garment or no-clothing item) Constructed from Original Designed Fabric.** – Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added. Include information on how the fabric was designed – describe the process and materials used. If additional information is not included, exhibit will be lowered one ribbon placing. SF26
- C-221-006 **Textile Arts Garment or Accessory** – A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. A description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing. Scoresheet SF25
- C-221-007 **Beginning Fashion Accessory**-An Accessory designed and/or constructed using elements and principles of design; can be textile or non-textile based. Example: shoes, bracelets, scarves, etc. a description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing.
- C-221-008 **Advanced Fashion Accessory** – Not SF Eligible, SF23-An Accessory designed and/or constructed using elements and principles of design and advanced skills; can be textile or non-textile based. Example: peyote stitch, bead embroidery, advanced design on tennis shoes, metal stamping, riveting, resin, and etc. A description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing.

- C-221-009 **Wearable Technology Garment – Technology is integrated into the garment in some way** (For example: LEDs, charging capabilities, sensors, and etc.) SF33
- C-221-010 **Wearable Technology Accessory – Not SF Eligible.** An accessory constructed integrating technology into the accessory (For example: Charging Backpack, Fitness Tracker, and etc.)

### Division 222, UNIT 2 – STEAM Clothing 2 – Simply Sewing

### Pay Category #4

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

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

- C-222-001 **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". SF20
- C-222-002 **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. SF20
- C-222-003 **Upcycled Garment** – (Not State Fair Fashion Show eligible.) Create a garment from used textile based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A “before” picture and a description of the redesign process must accompany the entry. SF21
- C-222-004 **Upcycled Garment Accessory** - (Not State Fair Fashion Show eligible.) A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. A “before” picture and a description of the redesign process must accompany the entry. SF22
- C-222-005 **Textile Clothing Accessory** - (Not State Fair Fashion Show eligible.) Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 2. Entry examples include: hats, bags, scarves, gloves. No metal, plastic, paper or rubber base items allowed (i.e. barrettes, headbands, flip flops, duct tape, etc.) SF23

### Scoresheet SF28 for all classes

- \*C-222-006 **Top**
- \*C-222-007 **Bottom**
- \*C-222-008 **Skirt**
- \*C-222-009 **Lined or Unlined Jacket**
- C-222-010 **Dress** (not formal wear) (State Fair Fashion Show eligible)
- C-222-011 **Romper or Jumpsuit** (State Fair Fashion Show eligible)
- C-222-012 **Two-Piece Outfit** (State Fair Fashion Show eligible)
- C-222-013 **Alter Your Pattern** – 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, alternating a pattern for a women or kit material, adding a lining)
- C-222-014 **Garment Constructed from Sustainable or Unconventional Fiber** – 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 unconventional items themselves should be exhibited under Beyond the Needle.

### Division 223 – STEAM Clothing 3 – A Stitch Further

### Pay Category #3

Exhibits entered in this project must reflect at least one new skill learned from this manual. (See project manual skill-level list) Garments as listed may be made from any pattern or any fabric and should demonstrate sewing skills beyond STEAM Clothing 2. Entry consists of complete constructed garments only. **Wool entries must have the fiber content listed on the identification label.**

- C-223-001 **Upcycled Garment** - Create a garment from used textile based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A “before” picture and a description of the redesign process must accompany the entry. SF 21
- C-223-002 **Upcycled Clothing Accessory** - A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. A “before” picture and a description of the redesign process must accompany the entry. SF 22
- C-223-003 **Advanced Entrepreneurial Sewing** - 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.) SF 23
- C-223-004 **Dress or Formal** SF28
- C-223-005 **Skirted Combination** (skirt with shirt, vest or jacket OR jumper and shirt) SF28
- C-223-006 **Pants or Shorts Combination** (pants or shorts with shirt, vest or jacket) SF28
- C-223-007 **Romper or Jumpsuit** SF28
- C-223-008 **Specialty Wear** - (includes: swim wear, costumes, hunting gear, or chaps) SF28
- C-223-009 **Lined or Unlined Jacket** (non-tailored) SF28
- C-223-010 **Coat, Blazer, Suit Jacket or Outerwear** - Scoresheet 29 A tailored blazer or suit jacket or coat. **Wool entries must have the fiber content listed on the identification label to be considered for the Make It With Wool Award.** SF29
- C-223-011 **Alter/Design Your Pattern**- 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). SF31
- C-223-012 **Garment Constructed from Sustainable or Unconventional Fibers** – 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. SF32

## Department C - Fiber Arts - Knitting and Crocheting

### Division 225 – Knitting

**Pay Category #4**

**INFORMATION SHEET FOR KNITTING.** Scoresheet SF60 for all classes. Additional resources at <https://go.unl.edu/ne4hknitting-crocheting>.

Each knitted exhibit must include the following information with the entry tag or exhibit will be lowered one ribbon placing:

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

- \*C-225-901 **Level 1 Knitted Clothing Item** - Knitted items using stitches such as the knit stitch, purl stitch, garter stitch, or stockinette stitch.
- \*C-225-902 **Level 1 Home Environment Item** - Knitted garment using Level 1 stitches (see above).
- \*C-225-903 **Level 1 Other Knitted Item** - Knitted garment using Level 1 stitches (see above).
- C-225-001 **Level 2 Knitted Clothing Item** - Knitted item or garment using pattern stitches such as diamond, block, twist or seed/moss stitches. Basis stitches (including: Knit (K), Purl (P), Slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo)) to form patterns.
- C-225-002 **Level 2 Knitted Home Environment Item** - Knitted item or garment using pattern stitches (including: Knit (K), Purl (P), Slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo) to form patterns.
- C-225-003 **Arm or Finger Knitted Item** (Clothing or Home Environment Item)
- C-225-004 **Loom Knitted Item** (Clothing or Home Environment Item)
- C-225-005 **Level 3 Knitted Clothing Item**-Knitted item 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.
- C-225-006 **Level 3 Home Environment Item**-Knitted item made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting.
- C-225-007 **Level 3 Machine Knitting**

### Division 226 - Crochet

**Pay Category #4**

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

**Information sheet for Crochet.** Scoresheet SF61 for all classes. Each crocheted exhibit must include the following information with the entry tag or exhibit will be lowered one ribbon placing. Scoresheet SF68 for all classes.

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

- \*C-226-901 **Level 1 Crochet Clothing** using basic stitches such as chain stitch, single crochet and double crochet.
- \*C-226-902 **Level 1 Crochet Home Environment** using beginning crochet stitches (see above).
- \*C-226-903 **Level 1 Other Crochet Item** using beginning crochet stitches (see above).
- C-226-001 **Level 2 Crocheted Clothing Item** – Crochet garment using basis stitches (including: chain, single, double, half-double, treble) to form patterns.
- C-226-002 **Level 2 Crocheted Home Environment Item** – Crocheted item using basis stitches (including: chain, single, double, half-double, treble) to form patterns.
- C-226-003 **Level 3 Crocheted Clothing Item** – Crocheted item or garment using advanced crochet stitches such as afghan, broomstick, hairpin lace, design motifs and multiple pattern stitches.
- C-226-004 **Level 3 Crocheted Home Environment Item** – Crocheted item or garment using advanced crochet stitches such as afghan, broomstick, hairpin lace, design motifs or pattern stitches.
- \*C-227-001 **Woven Garment Beginner**-using a plain or balanced weave using rigid heddle loom. Such as a Scarf, Shawl, Belt.
- \*C-227-002 **Woven Garment Level 2**-using basic weaving techniques and threading patterns with a four harness loom.
- \*C-227-003 **Woven Advanced**-using advanced weaving techniques and threading patterns with any loom. Such as lace, overshot, tapestry.

## Department C - Consumer Management

### Scoresheet SF84 for all classes

#### Division 240 - Shopping in Style

Pay Category #4

##### General Information for Shopping in Style

Posters should be on 14" x 22" poster board. Three-ring binders should be 8 ½"x 11"x 1". Videos should be less than 5 minutes in length and be able to be played on a PC using Windows Media Player, Real Player, or QuickTime Player.

- C-240-001 **Best Buy for Your Buck** – (Ages 10-13 before Jan. 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. In your binder include: a conclusion or summary statement(s) stating your final comments on why you selected your “best buy for your buck”. Do not include the Shopping in Style Show Information Sheet in your entry. SF 84
- Ages 10-13 Provide details about wardrobe inventory which indicates why you selected the garment you did, clothing budget, and cost of garment. Provide 3 color photos of you wearing the garment (front, side, back views).
- C-240-002 **Best Buy for Your Buck** – (Ages 14-18 before Jan. 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. In your binder include: a conclusion or summary statement(s) stating your final comments on why you selected your “best buy for your buck”. Do not include the Shopping in Style Show Information Sheet in your entry. SF 84
- Provide details listed for those ages 10-13 plus include body shape discussion, construction quality details, design features that affected your selection, cost per wearing, and care of garment. Provide 3 color photos of you wearing the garment (front, side, back views).
- C-240-003 **Revive Your Wardrobe** - Take at least two items in your wardrobe that still fit but that you don't wear anymore and pair them with new garment(s) 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). SF 88
- C-240-004 **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). SF 89
- C-240-005 **Clothing 1<sup>st</sup> Aid Kit** - Refer to page 73 of the manual and complete a clothing first aid kit. Include a list of items in the kit and brief discussion of why each was included. Put in appropriately sized box or tote with a lid. No larger than a shoe box. SF 64
- C-240-006 **Mix, Match, & Multiply** - Using this concept from page 32 of the manual take at least 5 pieces of clothing and create new outfits. Use your imagination to show various looks (i.e. on a clothes line, in a tree, on a mannequin). Include a brief discussion of each outfit which demonstrates what you have learned by completing this entry. Entry can be a binder, poster, or video (see general information). SF 90

#### Division 244 - Attention Shoppers

Pay Category #4

Ages under 12

- \*C-244-001 **Clothing Wardrobe Inventory**. List five items in your clothing wardrobe. What one garment would you add to your wardrobe that would help you to mix and match what you already have to extend your wardrobe? Explain what you need to think about and consider when you select this item. Consider creativity and style in your story. Your wardrobe inventory entry may be a picture poster, a video style show with explanation, a written story, an audio tape, etc.
- \*C-244-002 **Clothing Interview**. A) Interview an older person and talk about the fads and fashion of the time when they were young. Or B) Interview a person from another culture and find out how their dress and fashions may differ at school, special occasions (such as weddings, graduations, birthdays, religious events, etc.) How do those items differ or are they the same as what you wear? or C) Interview a person who wears special types of clothing for their job. Find out how these clothes differ from the ones they wear away from the job, what makes them different, why are they necessary to wear, etc. Consider creativity and style in your story. Include a picture of the person you interviewed in their special type of clothing. Your interview entry may be a picture poster, a written story, audio tape, video tape with explanation.
- \*C-244-003 **Buymanship** - Experience buying a complete wearable outfit for less than \$75. Your entry must include the hang tags (if available), information from fiber content and care labels and a story about what you considered when you purchased the outfit. Consider creativity and style in explaining your story. Do not include the clothing as part of your entry. Your buying experience may be a picture poster, a video tape, a written story or an audio tape, etc.
- \*C-244-004 **You Be the Teacher** - Suggested ideas include: Sort before you wash, clothing first aid, fad or fashion, etc.

#### Division 247 – My Financial Future

Pay Category # 4

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

##### Beginning Level:

- C-247-001 **Write 3 SMART financial goals** for yourself (one should be short term, one intermediate, and one long term.) Explain how you intend to reach each goal you set.
- C-247-002 **Income Inventory**—Using page 13 as a guideline, list sources and amounts of income you earn/receive over a six month period. Answer the following questions: What were your income sources? Were there any steady income sources? What did you do with the income you received? Include your income inventory in the exhibit.
- C-247-003 **Tracking Expenses**—Use an app or chart like the one on page 17 to track your spending over 2 months. Answer the following questions: What did you spend most of your money on? What did you learn about your spending habits? Will you make any changes in your spending based upon what you learned? Why or why not? Include your chart in your exhibit.

- C-247-004 **Money Personality Profile**—Complete the money personality profile found on pages 21-22. Answer the following questions: What is your money personality? How does your money personality affect the way you spend/save money? Have a friend or family member complete the money personality profile. Compare and contrast (how are you alike how are you different) your money personality profile with theirs.
- C-247-005 **Complete Activity 8** “What Does It Really Cost?” on pages 39-40.
- C-247-006 **My Work; My Future** – Interview three adults in your life about their careers or jobs using the questions on page 51 and record these answers. In addition, answer the following questions on your display. What did you find most interesting about these jobs? Were there any positions you might want to pursue as your career? Why/Why not? What careers interest you at this point in your life? What are three steps you need to do now to prepare for this career?
- Intermediate Level:**
- C-248-001 **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.
- C-248-002 **The Cost of Not Banking**---Type your answers to the questions about Elliot on page 50.
- C-248-003 **Evaluating Investment Alternatives**— complete the case study of Jorge on page 64. Answer all three questions found at the bottom of the page.
- C-248-004 **Understanding Credit Scores**—Watch the video and read the resource listed on page 71. Answer the following questions.
- \*Name 3 prudent actions that can reduce a credit card balance.
  - \*What are the main factors that drive the cost of credit?
  - \*List one personal financial goal that you could use credit or collateral to purchase. Discuss possible consequences that might happen with improper use of credit for your purchase.
- C-248-005 **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.

## Department C – Fashion Show

### Department C, Division 410 - Fashion Show

### Pay Category #3

All fashion show exhibits will be judged on Wednesday, at Butler County Fairgrounds. All entries must be pre-registered online by June 15. Exhibitor may model a maximum of three outfits. Limit of one entry per class number. 4-H’ers can model up to two outfits at the Public Style Show. Please mark on narration form which two outfits you wish to model at Public Style Show. Extra garments cannot be modeled. Only complete outfits can be modeled, except in Beginning Sewing/Clothing Level 1.

Garments being modeled must be entered for construction judging. An outfit in middle or advanced units is a complete, wearable outfit.

The judges will choose two Grand Champions, one from the beginning unit, and one from the middle and advanced units. The judges will select state fair representatives and their alternates, who must be 10 years of age before January 1 of the current year. All judge’s decisions are FINAL.

**The Public Style Show will be held during the Butler County Fair. You must model at the Public Style Show to receive your premium for fashion show classes.** Scoresheet SF117 for all classes.

### Division 410 – Beyond the Needle - Fashion Show Classes

4-H members must show their own original creativity. The exhibit must be a purchased, constructed, original design, or recycled garment to which surface embellishment has been applied or a garment in which the design is created through the structure such as color blocks, fabric strips, texturizing fabric pieces, etc.

- \*C-410-001 **Embellished Garment**
- \*C-410-002 **Embellished Garment with Original Design**
- C-410-010 **Embellished Garment(s) with an Original Design** – Garment is created using intermediate or advanced techniques as defined in the project manual. Designs are the original idea of the 4-H’er using the elements and principles of design to make an original statement.
- C-410-015 **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.
- C-410-020 **Modeled Beyond the Needle Textile Arts Garment(s)** – Garment is constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape.
- C-410-025 **Beyond the Needle Wearable Technology Garment** - Garment has integrated technology into its design.

### Division 410 – Steam Level 1

- \*C-410-011 **Item from beginning level sewing project list**

### Division 410 – Steam Level 2

- C-410-030 **Modeled Constructed Steam Level 2 Garment(s)** - Possible types of garments include Dress; Romper or Jumpsuit; OR two-piece outfit (skirt with shirt, vest or jacket); jumper and shirt; pants or shorts Outfit (pants or shorts with shirt, vest or jacket). **Or** a purchased top can be worn to complete a vest or lined/unlined jacket outfit with a constructed bottom. Upcycled Outfit Combination - must contain a complete constructed outfit (examples: if the top is upcycled, must include a constructed bottom, upcycled dress).

### Division 410 – Steam Level 3



C-410-040 **Modeled Constructed Steam Level 3 (Garment(s))** – Possible types of garments include: Dress or formal; Skirted Outfit (skirt with shirt, vest, or jacket OR jumper and shirt); Pants or Shorts Outfit (pants or shorts with shirt, vest, or jacket); Specialty Wear (swim wear, costumes, western wear-chaps, chinks, riding attire or hunting gear.); OR Jacket (non-tailored).  
-Tailored Coat, Blazer, Suit Jacket, or Outerwear. Additional pieces with coat, blazer, jacket or outerwear may be either 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).

C-410-050 **Modeled Knitted or Crocheted Clothing (Level 2 or 3)**  
**Knitted garment** using pattern stitches such as diamond, block, twist or seed/moss stitches or advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, 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 needs to be a complete outfit as in a dress, coat, or two piece ensemble (bottom and top).

#### **Division 410 - Attention Shoppers Fashion Show**

\*C-410-901 **Modeled Attention Shoppers Purchased Garment and Written Report.** Designed for youth ages 8-9 for introductory consumer skills when purchasing clothing.

#### **Division 410 – Modeled Shopping Purchased Outfit and Written Report**

C-410-060 Participants must be enrolled in the Shopping In Style 4-H Project to enter. This curriculum is developed and designed for youth ages 10 and older to help them strengthen their consumer skills when purchasing clothing. Participants must model a complete outfit – all pieces of the garment must be purchased. SF184.

## **Department C – Home Environment**

A) HOME ENVIRONMENT EXHIBITS are evaluated by these criteria:

1. Items must be designed to be used for home decorating, home furnishing or home management (no clothing, purses, note cards, scrapbooks/photo albums, etc.).
2. Accessories should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday specific items are discouraged.
3. Items should show creativity and originality, along with the application of design principles and elements. (Ask yourself: How have I shown creativity and applied the design principles and elements in this accessory? Youth are required to include the design elements and principles they used along with simple directions for how they designed their project with their exhibit. Information on the elements and principles of design may be found in the Design Decisions manual, as well as Portfolio Pathways and Sketchbook Crossroads.
4. Entered in correct class: What medium was changed or manipulated? What medium is the majority of your exhibit made from?
5. Items should be ready for display in the home (pictures framed, wall hangings and pictures ready to hang, etc.). No single mat board or artist canvas panels allowed. Wrapped canvas (if staples not visible on edge) is accepted without framing. Make sure hangers are strong enough to support the item.
6. All static exhibits must have a received a purple ribbon at the county fair to advance to state fair.
7. Items should not be ones made for beginning level or other projects (ex: simple (10 minute) table runners or woodworking). Exhibits from the beginning level, Design My Place, are county only and not state fair eligible.

B) Items should *not* be ones made for beginning level or other projects (ex: simple (10 minute) table runners or woodworking).

C) ENTRY TAGS - An entry tag which includes a clear description of the entry must be securely attached to each Home Environment exhibit. Use color names or pattern/picture descriptions to aid in identification.

D) 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.

E) SUPPORTING INFORMATION - Supporting information is required for all home environment exhibits. Information must also include the elements and principles of design used and steps taken to complete project. Exhibits without supporting information will be dropped a ribbon placing.

#### **Division 250 - Recycling**

**Pay Category #4**

Many items in the fairbook could be made of reduced, reused or recycled products. For each exhibit, include index card indicating plans, costs and what you learned.

\*C-250-001 **Item showing reduction**

\*C-250-003 **Item showing recycled product**

\*C-250-002 **Item showing reuse**

#### **Division 251 – Design My Space**

**Pay Category #4**

\*C-251-001 **Needlework Item**, made with yarn or floss.

\*C-251-002 **Simple fabric accessory**, like a pillow, laundry bag, pillowcase, table runner, etc.

\*C-251-003 **Accessory made with original batik or tie dye**

\*C-251-004 **Simple accessory made using wood**

\*C-251-005 **Simple accessory made using plastic**

\*C-251-006 **Simple accessory made with glass**

\*C-251-007 **Simple accessory made with clay**

\*C-251-008 **Simple accessory made with paper**

\*C-251-009 **Simple accessory made using metal tooling or metal punch**

- \*C-251-010 **Storage item made or recycled**
- \*C-251-011 **Bulletin or message board**
- \*C-251-012 **Problem solved:** Use a creative method to show you solved a problem (air quality, water, sound, temperature, lighting, fire escape plan, etc.)

### Division 256 - Heirloom Treasures/Family Keepsakes

Pay Category #3

This project area is for items with historic, sentimental or antique value that are restored, repurposed or refinished to keep their original look and value. It is not for "recycled" items. For example, a bench would be considered an heirloom if the original finish is restored, but if decorated by painting it would be considered recycled. Entering highly valuable items (especially small ones) is discouraged, as exhibits are not displayed in closed cases. Note: new resources to support this project area are on the 4-H website.

Attach information:

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

- C-256-001 **Trunks**, including doll-sized trunks or wardrobes SF206
- C-256-002 **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. SF205
- C-256-003 **Furniture** - either a repurposed "treasure" from an old item or an old "treasure" refinished or renovated. May include doll-sized furniture. SF205
- C-256-004 **Cleaned and Restored Heirloom Accessory or Furniture** - A reconditioned and cleaned old piece of furniture or accessory that is functional for use or display. Item might be cleaned and waxed, and simple repairs made. Item would not have to 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) 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. Consult extension publication CARE and CONSERVATION of HEIRLOOM TEXTILES, G1682 for information on textiles. (Refinished items go in classes 2-3.) SF205
- \*C-256-005 **Family Keepsakes Documentation** - exhibit should show how 4-H'er has documented family keepsakes. May include notebook with photo, description and history of items, videotape, photo album, audio tape of family relative discussion the item, written interview with family member, keepsake inventory.
- \*C-256-006 **Portfolio** – Collection of pictures, drawings, samples, worksheets and ideas for a room or home, an exploration of career possibilities (ex. A preservationist), or another application of your project learning put to use. Non-competitive.
- \*C-256-007 **A Second Refinished or Renovated "Treasure"**

### Division 257 - Design Decisions

Pay Category #3

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

- C-257-001 **Design Board for a Room** - Include: color scheme, wall treatment, floor treatment, etc. OR floor plan for a room. Posters, 22 x 28, or multimedia presentation (on CD). Show what you learned with before and after pictures or diagrams, samples, story, cost comparisons, optional arrangements, etc. SF201
- C-257-002 **Problem Solved, Energy Savers, OR Career Exploration** – Identify a problem (as problem windows, storage needs, inconvenient room arrangement, cost comparison, energy conservation, waste management, etc.) OR, explore a career related to home environment. (What would it be, what education is needed, what would you do, etc.) Using poster, notebook, multimedia presentation (on CD) or other method, describe the problem and how it was solved OR your career exploration. SF201
- C-257-003 **Solar, Wind, or Other Energy Alternatives for the Home** – Can be models, either an original creation or an adaption of kit. If kit, label and explain what was learned and how the item could be used in or on exterior of home. SF201
- C-257-004 **Technology in Design**- Incorporate technology into a project related to home environment for example, using conductive thread to create a circuit that enhances a wall hanging. SF200
- C-257-006 **Window Covering** – May include curtains, draperies, shades, shutters, etc. SF200
- C-257-007 **Floor Covering** - May be woven, braided, painted floor cloth, etc.
- C-257-008 **Bedcover** – May include quilt, comforter, bedspread, dust ruffle, canopy, etc. For quilts, state who did the quilting. (No tied fleece exhibits.) SF200
- C-257-009 **Accessory** – Framed Original Needlework/Stitchery. SF200
- C-257-010 **Accessory – Textile – 2D** (table cloth or runner, dresser scarf, wall hanging, etc. No tied fleece blankets or 10 minute table runners.) SF200
- C-257-011 **Accessory – Textile – 3D** (pillows, fabric bowls, etc. No fleece tied exhibits, SF200
- C-257-012 **Accessory – 2D** SF200
- C-257-013 **Accessory – 3D** (string art, wreaths, etc.) SF200
- C-257-014 **Accessory** – Original Floral Design. SF200
- C-257-015 **Accessory** – Original made from **Wood** – burn, cut, shape or otherwise manipulate. SF200
- C-257-016 **Accessory** – Original made from **Glass** – etch, mosaic, stain, molten or otherwise manipulate. SF200
- C-257-017 **Accessory** – Original made from **Metal** – cut, shape, punch, sculpt, reassemble or otherwise manipulate. SF200
- C-257-018 **Accessory** – Original made from **Ceramic or Tile** – treatment to exhibit must go through process that permanently alters the medium. Painting alone is not sufficient. SF200
- C-257-019 **Accessory – Recycled/Upcycled** Item for the home – reuse a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information. SF207
- C-257-020 **Furniture – Recycled/Remade**, made or finished by using a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information. SF207

- C-257-021 **Furniture – Wood Opaque finish** such as paint or enamel. SF203
- C-257-022 **Furniture – Wood Clear finish** showing wood grain. SF203
- C-257-023 **Furniture – Fabric Covered** - May include stool, chair seat, slip-covers, headboard, etc. SF200
- C-257-024 **Furniture – Outdoor Living** - Furniture made/refurbished by 4-H member suitable for outdoor use. (NOTE: Will be displayed outside). Include description of what was done to recycle or reuse item in your attached information. SF200
- C-257-025 **Accessory – Outdoor Living** – Accessory made/refurbished suitable for outdoor use. Include description of what was done to recycle or reuse item in your attached information. Note: May be displayed outside. SF200

## Department C – Visual Arts

### Pay Category #4

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.

- 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.
- Display - Items should be ready for display, framed, ready to hang, etc. No single mat board or artist canvas panels allowed. Wrapped canvas (if staples not visible on edge) is accepted without framing. Make sure hangers are strong enough to support the item. Command Strips are not adequate hangers. Items not ready for display will be dropped one ribbon placing.
- Entries per Exhibitor: 4-H members may enter up to three exhibits but no more than one exhibit per class.
- Entry Descriptions: Entry tags should include a clear, visual description of the exhibit, such as colors, size, or subject to aid in identification.
- 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 <https://go.unl.edu/ne4hvisualarts>. Exhibits without supporting information will be dropped a ribbon placing

### Division 260 - Sketchbook Crossroads – SF200 Classes 1-9

### Pay Category #4

Use techniques from manual or comparable techniques.

- C-260-001 **Original Pencil or Chalk Drawing** ready to hang. Scratch art accepted here. (Crossroads pgs. 10-21).
- C-260-002 **Original Ink Drawing** ready to hang. (Crossroads pgs.22-28).
- C-260-003 **Home Accessory** made with **fiber**. (p. 29)
- C-260-004 **Home Accessory** made with **felted wool** (Crossroads pgs. 29-33)
- C-260-005 **Home Accessory** using **cotton linter** (Crossroads pgs. 34-36)
- C-260-006 **Home Accessory** using **Batik** (Crossroads pgs. 37-39)
- C-260-007 **Home Accessory** made by **weaving on a loom** (Crossroads pgs. 40-47)
- C-260-008 **Home Accessory** made with **fabric** exhibitor has **dyed** (Crossroads pgs. 48- 50)
- C-260-009 **Original Sculpted or Thrown Home Accessory** made with **clay** (no purchased pots) (Crossroads pgs. 53-62)
- C-260-010 **Nebraska Life Exhibit** using one of the techniques in the above classes to show how art can define a sense of place, or life in Nebraska. For example-a pencil or ink drawing depicting life in Nebraska, using natural resources such as native grasses to make a weaving, using natural fibers for felting, or using roots, nuts, plants or flowers to dye fabric. Include the required information listed above and how this project represents life in Nebraska.

### Division 261 - Portfolio Pathways

### Pay Category #4

Use techniques from manual or comparable techniques. Attach information to explain steps taken. Information must also include element or principle of design used. SF200 Classes 1-8

- C-261-001 **Original Acrylic Painting** based on techniques learned in Unit 1 of Portfolio Pathways, framed and ready to hang. (Pathways pgs. 12-13)
- C-261-002 **Original Oil Painting** based on techniques learned in Unit 1 of Portfolio Pathways, framed and ready to hang. (Pathways pgs. 26-33)
- C-261-003 **Original Watercolor** based on techniques learned in Unit 1 of Portfolio Pathways, framed and ready to hang. (Pathways pgs. 14-17)
- C-261-004 **Original Sand Painting** based on techniques learned in Unit 1 of Portfolio Pathways, framed and ready to hang. (Pathways pgs. 20-21)
- C-261-005 **Original Encaustic Painting** based on techniques learned in Unit 1 of Portfolio Pathways, framed and ready to hang. (Pathways pgs. 34-35)
- C-261-006 **Home Accessory** made with any printing technique in Pathways Unit 2. (Pathways pgs. 36-56)
- C-261-007 **Original Mixed Media Accessory**-an art exhibit using a combination of two or more difference media or materials. One media must be included in another Portfolio Pathways class. (ex. watercolor and graphite)
- C-261-008 **Nebraska Life Exhibit** using one of the techniques in the above classes to show how art can define a sense of place or life in Nebraska. For example – solar printing; making prints using shed snakeskin or plant; an acrylic, oil; watercolor painting of scenes of your community or the surrounding area; or using objects from nature to make the painting. Include the required information listed above and how this project represents Nebraska life.

## Department C - Quilt Quest

### Division 229 - Quilt Quest

### Pay Category #3

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

In the Premier class, the 4-H'er has developed skills to be able to do all of the work by himself/herself. This includes pattern and fabric

selection, cutting and sewing individual pieces, layering the quilt top/batting/backing together, and quilting. Quilting may be done by hand, by sewing machine or by a commercial-grade quilting machine. After quilting, the 4-H'er must finish the quilt by "squaring it up," put binding on the edge, and placing a label on the quilt which provides details about the quilt making process for historical purposes. .

Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project.

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

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

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

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

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

A quilted exhibit is made up of at least 3 layers. Quilts or quilted items must be quilted or tied through all layers. Fleece blankets are not eligible in this division. Quilts must have a permanent label on the back in the bottom-right corner with quilter's name and date of completion.

- C-229-010 **Exploring Quilts** - Illustrate some aspect of quilts or quilt making. Examples include, but are not limited to, language arts, quilts of different cultures, chemistry, design, preservation, history, construction, math-conversion of quilt patterns, textiles/fabrics, computerization, and entrepreneurship. History may include history of an old quilt or history/research of a particular style of quilt such as Baltimore album quilts or Amish quilts. Exhibit may be a 14 x 22 inch poster, notebook, CD, PowerPoint, Prezi, DVD, YouTube, or other technique. All items in an exhibit must be attached together and labeled. NO quilted items should be entered in this class. SF208C Scoresheet for Education Exhibits and Computer Exploration. SF208C
- C-229-020 **Quilt Designs Other Than Fabric** - Two or three dimensional item with quilt design made using medium other than fabric, such as stained glass, paper, etc. Supporting information is required. Must include elements of design used and steps taken to complete project. (Tag template is the Home Environment information sheet.) Exhibits with supporting information will be dropped one ribbon placing. SF208B
- C-229-021 **Barn Quilt** created that is less than 4'x4'. Supporting information is required. Must include elements of design used and steps taken to complete project. (Tag template is the Home Environment information sheet.) Exhibits with supporting information will be dropped one ribbon placing.
- C-229-022 **Barn Quilt** created that is 4'x4' or larger. Supporting information is required. Must include elements of design used and steps taken to complete project. (Tag template is the Home Environment information sheet.) Exhibits with supporting information will be dropped one ribbon placing.
- C-229-030 **Computer Exploration** - Poster or notebook with a minimum of six computer generated quilt designs or color variations on a quilt design. Include information of type of program used, process used to generate designs, or how you used color to create different quilt designs. Size of poster or notebook to be suitable for the exhibit. SF208C
- C-229-040 **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 member. 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.
- C-229-041 **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 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.? SF208E
- C-229-042 **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? SF208D

#### **Guidelines for entries in classes 50-83 Quilted Exhibits**

- Please note the description of classes. They denote degree of difficulty in construction and not the number of years in the project.
- A quilted exhibit consists of 3 or more layers.
- All quilted exhibits must be quilted (machine or hand) or tied.
- All quilt piecing and finishing must be the sole work of the 4-H member. Quilting, whether machine or hand quilted, may be done by another individual except for the Premier Quilt class.
- No pre-quilted fabric may be used.



Wildlife and How They Live (Classes 1-4) board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation. Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats. For more ideas, refer to project booklets.

- D-340-005 **Wildlife Connections:** Board or poster exhibit. The purpose of this display is to show interconnections and related aspects among animals, plants, and other habitat components. All displays should show two or more interactions (connections) that occur between/among animals or between animals and their habitat. Displays might show how animals interact with other animals, with people, or with their habitat. Examples: - Food chain display. Use pictures, drawings, or other items to illustrate the source of food energy and where it goes - who eats whom or what. Use arrows to show the direction of the energy (food) flow. - Show the role of predators, scavengers, insect eaters, or others in nature. - Show how wildlife numbers (populations) change through the year. - Show predation, competition, or other behavioral interactions of wildlife. - Choose one kind of wildlife and make observations through a season or year, keep notes of interactions, then make a display of what you saw. SF157
- D-340-006 **Wildlife Tracks:** Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred. - Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. (OR) - Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. (OR) - Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal. SF158
- D-340-007 **Wildlife Knowledge Check** - Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches. SF159
- D-340-008 **Wildlife Diorama** - Box must be no larger than 24" x 24". The exhibit might show a grassland, prairie, agricultural, woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: show a large unbroken grassland or prairie for species such as meadowlarks, greater prairie-chicken, lark bunting, grasshopper sparrows, Ferruginous hawk, burrowing owl, horned lark, upland sandpiper, or pronghorn; AND/OR show an area interspersed with several habitats such as windbreaks, farm fields, woods, waste areas, ditches, and pastures for edge-adapted species such as white-tailed deer, Northern bobwhite, mourning doves, cottontail rabbits, fox, squirrels, Northern cardinals, or blue jays. Label the habitats displayed and show at least five kinds of wildlife in their proper habitats. SF160
- D-340-009 **Wildlife Essay** - Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife. You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder, or at other places. You might write about hunting, fishing, or ethics and proper behavior for hunting or fishing. The essay is between 100 and 1000 words long and typed, double spaced, on (8 ½ x 11) paper is preferred. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them. SF161
- D-340-010 **Wildlife Values Scrapbook** - Make a scrapbook about the various values of wildlife following guidelines in the Wildlife Conservation project booklet (4-H 125). SF162
- D-340-011 **Wildlife Arts** - The purpose of this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, 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). SF163

#### Division 342 - Wildlife Habitat

#### Pay Category #4

- D-342-001 **Houses** - Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole-size etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, and 3) any seasonal maintenance needed. Tips: check NebGuide on bird houses and shelves. SF165
- D-342-002 **Feeders/Waterers** - Make a bird bath or feeder. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; no insect feeders. Indicate the kinds of animal(s) for which the feeder or waterer is intended. Make the feeder or waterer functional so that it fits wildlife needs. Include the following information: SF166
- where and how the feeder or waterer should be located for best use and
  - how it should be maintained. Tips: check NebGuide on feeding birds.
- D-342-003 **Wildlife Habitat Design** - Board or poster exhibit. Choose a backyard, acreage, or farm, and design a habitat plan to meet the food, water, shelter, and space needs of at least three kinds of animals you would like to attract. Draw an outline of the area and show what plants or other habitat will be provided. Indicate how the various parts of your plan provide the desired habitat needs. You might include an aerial photo of the area if you have one. For ideas, check the Wildlife Habitat Evaluation Handbook, Participant's Manual (NE 4H4300). SF167

#### Division 343 - Harvesting Equipment

#### Pay Category #4

- D-343-001 **Fish Harvesting Equipment** - Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), and lures. Label all items displayed. Include in your exhibit the following information: SF168
- the purpose of each item,
  - when or where each item is used
  - any personal experiences you've had with the item(s).
- D-343-002 **Build a Fishing Rod** - 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. SF169

Include with the exhibit:

- Explanation of cost of materials/components
- Where materials/components were purchased
- How it was made
- Number of hours required for construction.

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

Exhibit will be judged on: workmanship, labeling of parts information, and neatness.

D-343-003 **Casting Target** - Make a casting target for exhibit and use, following guidelines on the reference sheet. Target must be under 48" x 48". The bullseyes must be a 2 feet 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. SF170

D-343-004 **Wildlife Harvesting Equipment** - Board exhibit. Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed: SF171

- A. the purpose of each item,
- B. when or where it is used,, and
- C. any personal experiences you've had with the item(s).

D-343-005 **Inventing Wildlife/Fish Harvesting Equipment, Aid, or Accessory**

Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing poles 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. SF168

#### Division 346 – Taxidermy

#### Pay Category #4

D-346-001 **Tanned Hides or Taxidermy** - Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information: SF172

1. the animal's name and
2. information about the exhibitor's personal field experiences, study, or observations that relate to the exhibit.

#### Division 341 – Outdoor Adventure-Level 2

#### Pay Category #4

D341001 **Poster** - Create a poster display no larger than 22" X 28". 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. Exhibits measure no larger than 18" X 24".

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. Exhibits measure no larger than 18" X 24".

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

#### Outdoor Adventures Level 3

#### Pay Category 4

D341006 **Poster** - Create a poster display, no larger than 22" X 28". Topics may include but not limited to one of the following; Topographic map, backpacking trip plan, camp layout, plan an expedition (can be dreamed or lived), collection of photos from your expedition, trails hiked, cost comparison of rental vs purchase or using GPS/compass.

D341007 **Journal/Binder** - Written report of actual, virtual or imagined expeditions/camping/hiking, OR field journal (notes of actual experiences, sights, sounds, smells, etc.). Explain growth in project, challenges in leading a group, teaching others about wildlife and nature identification and "Leave No Trace." Exhibits measure no larger than 16" X 16".

D341008 **Expedition Safety** - Must include an explanation of use of items, why selected/purpose of item, how it meets hiking/camping/expedition needs. May include, but are not limited to; travel sized edible plants, creepy crawly guide, tent repair kit, travel first aid kit or weather/water safety. Exhibits measure no larger than 18" X 24"

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"

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

#### Division 347 – Shooting Sports

Pay Category #4

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

**D-347-001 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.

**D-347-002 Storage Case** – An item with the purpose to safely hold a firearm, bow, ammunition, and/or arrows, examples: soft sided shotgun case, quivers, firearm safe. Include your design, or plans you adapted. Explain how the storage case is used. SF254

**D-347-003 Practice Game or Activity** – Invent or adapt an activity to practice or teach a project skill, include pictures of youth playing the game, testimonials for 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members. SF255

**D-347-004 Science, Engineering, Technology Advancements of Shooting Sports Essay or Display** – Choose a specific area of shooting sports and share how it has advanced, include a timeline and photos or illustrations. Keep your topic narrow and manageable. Essays are limited to 1000 words and should be on 8 ½ x 11 paper. SF256

**D-347-005 Healthy Lifestyles Plan** – Include a shooter's diet and exercise plan, and how the 4-H member will benefit or improve from following the plan. Ideally, the 4-H member would follow the plan and include some journal entries about adaptations or improvements made while following the plan. SF257

**D-347-006 Citizenship/Leadership Project** – Share a display on a citizenship project or leadership project the 4-H member took on individually or with a group to improve some aspect related to 4-H Shooting Sports. Examples could be range development, conservation planting to attract wildlife, a camp, 4-H recruitment event. Include who benefitted, what the 4-H member's role was, and any results. SF258

**D-347-007 Career Development/College Essay, Interview or Display** – Research opportunities for careers related to this area or opportunities for college majors or college activities to help discover using project skills beyond a person's 4-H career. Essays are limited to 1000 words and should be on 8 ½ x 11 paper. Interviews need to include a picture of the interviewee in their work setting, questions asked, and a transcript of answers. SF252

**D-347-008 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. SF251

**D-347-009 Ag Literacy-Value Added Agriculture Interview or Research Project** – Explore how traditional ag producers are adding value to their production agriculture operations through conservation efforts, hunting, raising pheasants, shooting sports related tourism, etc. Present finding in an interesting way for the public to learn from. SF250

#### Division 361 - Other Natural Resources

Pay Category #4D-

**361-001 Design Your Own Exhibit** in Natural Resources, Conservation, or Ecology - This class is for educational exhibits about natural resources, conservation, wildlife, or ecology that do not fit into other categories. Entries must be appropriate for fair display and no larger than 24" x 24". All entries must include a title and should be clear (a brief explanation or other method) about the intended purpose or message – what the exhibit is meant to show. Think about accuracy, creativity, educational value for viewers, and evidence of exhibitor's personal experiences and learning. SF164

## Department D – Forestry

### Environmental Education & Earth Sciences

#### General Information

The official reference for all forestry projects is the Tree Identification Manual (4-H 332), which was recently revised and is available for purchase from UNL Marketplace (<http://marketplace.unl.edu/ne4h/tree-identification-manual-691.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).

Display "boards" must be made from wood or wood composite, e.g. plywood, fiberboard, or Masonite, 1/4" to ½" thick and no larger than 24" x 24". Display boards may be coated, e.g., painted or varnished, on both sides to prevent warping.

Display "posters" must be made from a material, e.g. foam board or poster board that will stand upright without buckling, and be no larger than 24" x 24".

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

At least 5 of the 10 samples in Class 2, 3, 4, and 5 must be from the list of 60 species described in 4-H 332. Samples must be from 10 different tree species. For example, Emerald Queen Maple and Crimson King Maple are both varieties of the same species (Norway Maple), and thus have the same genus and species name, i.e. Acer platanoides. All samples must be from trees. NO shrubs. If more than 10 samples are included in the display, only the first 10 samples from the current year will be judged.

Remember that other general labeling standards apply. For example, scientific names are always italicized or underlined. Also, the first letter of a Genus name is always capitalized. The first letter of a species name is always lower case. When required, always indicate complete scientific names (Genus and species) and common names, (e.g. Norway maple) even when "variety names" are included. For example, the scientific name of



Emerald Queen Maple is Acer platanoides and the common name is Norway maple. "Emerald Queen" may be included as the variety name, but variety names are not required.

Another important judging factor is how well the exhibitor follows the directions for the exhibit class.

**Classes:**

**Division 320- FORESTRY**

**Pay Category #4**

**D-320-001 Design-Your-Own Exhibit** – Prepare an educational exhibit about some aspect of trees, forests or forestry that is of special interest to you. Possible topics include paper recycling, wild fire, forest products, forest wildlife, or forest pests. The only requirement is that the display must be no larger than 24"x24". Photographs, drawing, samples, charts, posters, etc. can be used but include enough information to adequately explain the topic. Your display should be substantially different from other display classes. Be as creative as you like. SF31

**D-320-002 Leaf Display** – The leaf display must include samples of "complete leaves" from at least 10 different tree species. The display must include at least two samples of simple leaves, compound leaves, and conifer leaves. Leaves should be pressed, dried and mounted. SF32

**Collection:** Whenever possible, collect leaves from mature trees. Collect leaves any time after they have reached full size, usually beginning in early summer. Leaf samples should be in good condition and representative of the average leaves on the tree. Keep in mind that shaded leaves 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. All collection must be done by the exhibitor.

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

**Labeling:** The label for each sample must include:

- |                                           |                                                                     |
|-------------------------------------------|---------------------------------------------------------------------|
| 1. Common Name                            | 6. Collector's Name                                                 |
| 2. Scientific Name                        | 7. Collection Date                                                  |
| 3. Leaf Type                              | 8. Collection Location (be specific, state and county at a minimum) |
| 4. Leaf Arrangement                       |                                                                     |
| 5. Leaf Composition (for broadleaf trees) |                                                                     |

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

**D-320-003 Twig Display** – The twig display must include twig samples from at least 10 different tree species. The display must include at least two samples of opposite and alternate leaf arrangements from broadleaf trees. SF33

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

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

**Labeling:** The label for each sample must include:

- |                                           |                                                                     |
|-------------------------------------------|---------------------------------------------------------------------|
| 1. Common Name                            | 5. Collection Date                                                  |
| 2. Scientific Name                        | 6. Collection Location (be specific, state and county at a minimum) |
| 3. Leaf arrangement (for broadleaf trees) |                                                                     |
| 4. Collector's Name                       |                                                                     |

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

**D-320-004 Seed Display** – The seed display must include seed samples from at least 10 different tree species. SF34

**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. Remember to display the seeds, and not the fruit. For example, the seed of honey locust is enclosed in a pod. Remove and display the seed, not just the pod. It is acceptable to display the fruit with the seed, but clearly label each. All collection must be done by the exhibitor.

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

**Labeling:** The label for each sample must include:

- |                                                                  |                                                                     |
|------------------------------------------------------------------|---------------------------------------------------------------------|
| 1. Common Name                                                   | 4. Collector's Name                                                 |
| 2. Scientific Name                                               | 5. Collection Date                                                  |
| 3. Type of fruit, if known (e.g.-samara, pod, nut, legume, etc.) | 6. Collection Location (be specific, state and county at a minimum) |

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

**D-320-005 Wood Display** – The wood display must include wood samples from at least 10 different tree species. SF36

**Preparation:** Samples may be of any shape, e.g. sections from a board, wood cylinders turned on a lathe, horizontal or vertical cross sections of a small log with bark attached, etc., but all samples should be the same shape, e.g. all wood cylinders or all sections of a board. Each sample can be no larger than 4"x4"x4". Cut surfaces should be sanded to show the grain. Treating samples with a clear finish (no stain) is optional. All collection must be done by the exhibitor.

**Mounting:** Samples may be displayed in a variety of ways 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.

**Labeling:** The label for each sample must include:

- |                                     |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| 1. Common Name                      | 5. Collection Date                                                  |
| 2. Scientific Name                  | 6. Collection Location (be specific, state and county at a minimum) |
| 3. Wood Type (softwood or hardwood) |                                                                     |
| 4. Collector's Name                 |                                                                     |

Supplemental information, e.g. common products, density, etc. may be included with the display to enhance its educational value.

**D-320-006 Cross Section-** Display a disc cut from a tree species listed in 4H332. The sample must be collected, by the exhibitor, within one year of the state fair judging day. The disc must measure 6 to 12 inches in diameter and 1 to 3 inches thick. The bark should be firmly attached, which may be difficult if the tree was dead when the disc was cut. Sand at least one side of the disc so the grain can be easily seen. If the disc is treated with a clear finish, both sides must be treated to minimize warping. Some cracking or checking can be expected and is allowed. SF38

**Labeling:** The following parts must be clearly and accurately labeled on the cross section with pins, paper tags, or some other form of identification.

- |              |                                  |            |
|--------------|----------------------------------|------------|
| A. Pith      | C. Sapwood                       | E. Cambium |
| B. Heartwood | D. One growth ring (begin & end) | F. Bark    |

A separate label attached to the back of the disc must include:

- |                                               |                                                        |
|-----------------------------------------------|--------------------------------------------------------|
| 1. Common Name                                | 5. Collector's Name                                    |
| 2. Scientific Name                            | 6. Collection Date                                     |
| 3. Tree Classification (softwood or hardwood) | 7. Collection Location (state and county at a minimum) |
| 4. Age (of the cross section)                 |                                                        |

**D-320-007 Parts of a Tree** – This project is only for ages 8-11. Prepare a poster, no larger than 24 inches x 24 inches that clearly identifies the main external parts of any tree. SF39

- |           |            |
|-----------|------------|
| a) Trunk  | e) Flowers |
| b) Crown  | f) Fruit   |
| c) Roots  | g) Buds    |
| d) Leaves | h) Bark    |

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

**D-320-008 Living Tree** - Display a living tree seedling grown by the exhibitor from seed in the display container. The seed must be from a species listed in 4H332. The seedling must be 60 days to 1 year old (on State Fair judging day). The display container must contain at least 8 inches of soil (potting mix or suitable natural soil); have drainage hole(s), and a drain pan to catch drainage water. SF40

**Labeling:** A waterproof label must be attached and include:

- |                             |                     |
|-----------------------------|---------------------|
| 1. Common Name              | 4. Planting Date    |
| 2. Scientific Name          | 5. Emergence Date   |
| 3. Seed Treatments (if any) | 6. Exhibitor's Name |

Supplemental information about the tree, e.g. where the seed was collected, growth measurements, uses for that species, etc., may be included in an attached notebook, poster, etc. 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.

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

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

larger than 24 inches x 24 inches. Explain through the display what species of trees the health issue affects, diagnostic features of the issue (symptoms in trees, identifying features of the pest, etc.), and management options.

- Include common and scientific names of trees and pests.
- Supplemental information about the tree or forest health issue: e.g. origin, proliferation in Nebraska/United States, and physiological effects on the tree may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.
- Attach a separate label on the back of the display that includes the exhibitor's name and age.

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

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

**D320012 Sustainable Landscape Diorama** - Box must be no larger than 24" x 24". The exhibit must show a Nebraska landscape that includes

elements such as windbreaks, fields, pastureland, CRP, public lands, community/municipal landscapes. The goal of this exhibit is for students to articulate conservation and sustainability best-practices that can be implemented on a landscape, while addressing landowner and other stakeholder interests.

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

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

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

## DEPARTMENT E – NUTRITION, FOODS & FOOD PRESERVATION

### RULES:

- GENERAL** - Members may exhibit only in the project in which enrolled. Products should be baked the day before entry day.
- ENTRIES PER INDIVIDUAL** - One entry per exhibitor per class.
- LABELS** - For ALL FOOD PRODUCTS -Each exhibit must include the recipe. Recipe may be handwritten, photocopied or typed. Place the food on the appropriate size plate. Put exhibit in a self-sealing bag. Attach entry tag and recipe at the corner of the bag on the outside. FOR NON-FOOD ENTRIES-Please attach the entry tag to the upper right hand corner of the entry. GENERAL LABELING INFORMATION-All additional information pieces (recipes, special items) must be labeled with exhibitor's name and county.
- CRITERIA FOR JUDGING** - Exhibits will be judged according to score sheets available at the extension office or at <https://go.unl.edu/ne4hfood-nutrition>. Make sure to follow all entry instructions required for your exhibit. Incomplete exhibits will be lowered a ribbon placing. **Commercially prepared mixes are allowed in Cooking 201 Creative Mix Class.** Prepared baking mixes, biscuit mixes, commercially prepared seasoning mixes for food preservation and other pre-made mixes entered in other categories will be lowered a ribbon placing.
- ENTER FOOD EXHIBITS** in disposable materials, i.e., paper plate and plastic self-sealing bag. The Butler County Fair is not responsible for lost bread boards, China or glassware.
- 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. This includes menu and recipe file exhibits.
- EXHIBITS ARE ON DISPLAY FOR SEVERAL DAYS.** Please limit exhibits to products which hold up well. Items that require refrigeration will not be accepted, judged or displayed. Food products must be unquestionably safe to eat when they are entered, whether tasted or not. Egg glazes on yeast products before baking are allowed. Glazes, frostings and other sugar based toppings are also considered safe due to the high sugar content. Eggs incorporated into baked goods or crusts and cheeses mixed into bread doughs are considered safe. All fruit fillings must be cooked. Uncooked fruit is not allowed in any exhibit due to spoilage (i.e. fresh fruit tart). Cream cheese fillings and/or frostings are not allowed. Meat, dried meat, meat substitute pieces (bacon bits, pepperoni, etc.), or melted cheese toppings are not allowed in food exhibits. Uncooled fruit toppings (i.e., fresh fruit tart) are considered unsafe for fair exhibits and will be disqualified.

**Division 401 – Cooking 101**

**Pay Category #4**

- \*E-401-901 **Cookies** (any recipe)-Four on a paper plate.
- \*E-401-902 **Muffins** (any recipe)-Four on a paper plate.
- \*E-401-903 **No Bake Cookie** (any recipe) – Four on a paper plate.
- \*E-401-904 **Cereal Bar Cookie** (any cereal based recipe made in pan and cut into bars for squares for serving.)-Four bars on paper plate.
- \*E-401-905 **Granola Bar** (any recipe)-Four on a paper plate.
- \*E-401-906 **Brownies** (any recipe)-Four on a paper plate.
- \*E-401-907 **Snack Mix** (any recipe)-One cup in self-sealing plastic bag.

**Division 350-General**

**E-350-001 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. SF152.

**E-350-002 Food 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 or explore a career related to the food industry (caterer, restaurant owner, food scientist, registered dietitian, etc.). This might contain pictures, captions, and/or reports to highlight the concept. Exhibit may be a poster or foam core board (not to exceed 22" 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. SF122.

**E-350-003 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 career concept/lesson. 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. SF122.

**E-350-004 Cooking Basics Recipe File**

A collection of 10 recipes from any source. Each recipe must accompany a complete menu in which the recipe is used. An additional 10 recipes may be added each year the 4-H'er is in the project, with year clearly marked on recipes. Display in a recipe file or binder. Be sure to include the number of servings or yield of the 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. SF251

**Division 410 – Cooking 201**

**Pay Category #4**

- E-410-001 **Loaf Quick Bread** – (any recipe) – At least ¾ of a standard loaf displayed on a paper plate. Quick bread is any bread that does not require kneading or rising time and does NOT include yeast. A standard quick bread loaf measures approximately 8 ½" x 4 ½" or 9" x 5". If mini-loaf pans are used for exhibit, two loaves must be presented for judging. Scoresheet SF123
- E-410-002 **Creative Mixes** - any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate or in a disposable pan. Baked item made from a mix (commercial or homemade mixes acceptable). Food product must have been modified to make a new or different baked item. Examples include poppyseed quick bread from a cake mix, cake mix cookies, sweet rolls made from readymade bread dough, monkey breads from biscuit dough, streusel coffee cake from a cake mix, etc. Write what you learned about making this product using a mix instead of a homemade recipe or recipe "from scratch." Does it make it better or easier to use a convenience product or mix? Why or why not? SF142
- E-410-003 **Biscuits or Scones**- Four biscuits or scones on a small paper plate. This may be any type of biscuit or scone-rolled, dropped, any recipe. Recipe must be a non-yeast product baked from scratch. SF136
- E-410-004 **Healthy Baked Product** – (any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan.) Recipe must contain a surprise ingredient and MUST not use a mix (ex. cantaloupe quick bread, pork & bean bread, etc.). **Write what you learned about making this unique item with an unusual ingredient. What was the anticipated outcome? Would you make it again?** SF124
- E-410-005 **Coffee Cake** – (any recipe or shape, non-yeast product) – At least ¾ of baked product on a paper plate or in a disposable pan. Include menu for a complete meal where this recipe is served. SF129
- E-410-006 **Baking with Whole Grain**- any recipe, at least ¾ of baked product or 4 muffins/cookies on a paper plate or in a disposable pan. Recipe must contain whole grains as part of the ingredients. (Ex. whole wheat applesauce bread, peanut butter oatmeal cookies, etc.) SF134
- E-410-007 **Non-Traditional Baked Product**- exhibit must include a food product prepared using a non-traditional method (i.e. bread machine, cake baked in convection oven, baked item made in microwave, etc.) Entry must be at least ¾ baked product, or 4 muffins or cookies on a paper plate. Entry must include supporting information that discusses alternative preparation method and how it compares with traditional method. SF133

**Division 411 – Cooking 301**

**Pay Category #4**

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

- E-411-001 **White Bread** (any yeast recipe) - At least ¾ of a standard loaf displayed on a paper plate. Scoresheet SF138
- E-411-002 **Whole Wheat or Mixed Grain Bread** (any yeast recipe) - At least ¾ of a standard loaf displayed on a paper plate. Scoresheet SF138
- E-411-003 **Specialty Rolls** – (any yeast recipe) 4 rolls on a paper plate. May be sweet rolls, English muffins, kolaches, bagels, or any other similar recipe that makes individual portions. SF138

- E-411-004 **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. SF138
- E-411-005 **Specialty Bread** - (any recipe made with yeast) - Tea rings, braids, or any other full sized specialty bread products. Must exhibit at least ¾ of a full-sized baked product. SF141
- E-411-006 **Shortened Cake** Must exhibit at least ¾ of the cake (recipe must not be from a cake mix). Shortened cakes use fat for flavor and texture and recipes usually begin by beating fat with sugar by creaming and include leavening agents in the recipe. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frosting allowed). SF137

**Division 413 – Cooking 401**

**Pay Category #4**

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

- E-412-001 **Double Crust Fruit Pie** - Made with homemade fruit filling. No egg pastries or cream fillings. No canned fillings of premade pie crusts. May be a double crust, crumb, cut-out or lattice topping. Using an 8- or 9-inch disposable pie pan is recommended. Scoresheet SF144
- E-412-002 **Family Food Traditions** – (any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan.) Any baked item associated with family tradition and heritage. Entry must include (A) recipe, (B) tradition or heritage associated with preparing, serving the food, (C) where or who the traditional recipe came from. SF2012-002.
- E-412-003 **Ethnic Food Exhibit** – (any recipe, at least ¾ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan.) The name of the country, culture or region should be included as part of the supporting information with the recipe, as well as some background information about the country or culture the food item is representing. SF146
- E-412-004 **Candy** – any recipe, 4 pieces on a paper plate or ½ cup. No items containing cream cheese will be accepted (Example: cream cheese mints). Candy may be cooked or no cook; dipped, molded, made in the microwave or other methods of candy preparation. Recipe must be included. SF147
- E-412-005 **Foam Cake** – original recipe (no mixes) of at least ¾ of the cake. Foam cakes are cakes that have a high ratio of eggs to flour and fall into three categories: angel food cakes or meringues: sponge or jelly roll cakes; and chiffon cakes. Scoresheet SF134
- E-412-006 **Specialty Pastry** (any recipe, at least ¾ of baked product or 4 on a paper plate or baked in a disposable pan.) Baked items such as pie tarts, puff pastry, phyllo doughs, scones, biscotti, choux, croissants, Danish, strudels. Phyllo dough may be pre-made or made from scratch. Pastries made with cream or egg-based fillings will be disqualified. SF143

**Department E - Confectionaries**

**Division 408 - Decorated Items**

**Pay Category # 3**

Exhibit by an individual enrolled in the cake decorating project. Cakes may be flat, cut up or layered. Following are the division designations:

**\*Beginning Division** - decorating for first year      **\*Middle Division** - decorating for 2-4 yrs.      **\*Advanced Division** - decorating for five plus yrs.

- \*E-408-001 **Decorated Cake with Confections** - Beginning Division
- \*E-408-001A **Decorated Cake with Buttercream** – Beginning Division
- \*E-408-002 **Decorated Box, Bowl, Block, etc. with Confections** -Beginning Division
- \*E-408-002A **Decorated Box, Bowl, Block, etc. with Buttercream** -Beginning Division
  
- \*E-408-003 **Decorated Cake with Buttercream (May use borders)** - Middle Division
- \*E-408-003A **Decorated Cake with Fondant (May use borders)** - Middle Division
- \*E-408-004 **Decorated Box, Bowl, Block, etc. with Buttercream (May use borders)** - Middle Division
- \*E-408-004A **Decorated Box, Bowl, Block, etc. with Fondant (May use borders)** - Middle Division
  
- \*E-408-005 **Decorated Cake with Buttercream (Must use borders)** - Advanced Division
- \*E-408-005A **Decorated Cake with Fondant (Borders optional)** - Advanced Division
- \*E-408-006 **Decorated Box, Bowl, Block, etc. with Buttercream (Must use borders)** - Advanced Division
- \*E-408-006A **Decorated Box, Bowl, Block, etc. with Fondant (Borders optional)** - Advanced Division
  
- \*E-408-007 **Decorated Cake with the county fair theme** – ALL Divisions
- \*E-408-008 **Set of Four Different Buttercream Borders**- This is a companion entry for classes 003 through 006A. Borders cannot be entered without a decorated cake or "box". Piped in color with #16, #17 or #18 tip. Use same tip on all four borders. Use a 6" x 8" covered cardboard and allow 1 inch space around outside for handling, piping borders on the 4" x 6" center area of cardboard.
- \*E-408-009 **Decorated Cupcakes**-must be four to a plate.
- \*E-408-010 **Decorated tier cake with one or more borders** – Middle or Advanced Divisions only.
- \*E-408-011 **Other Decorated Item** - such as donuts, cookies, or sugar Easter eggs, etc. on a base no larger than 15" x 15".

**Division 430 –Candies**

**Pay Category # 4**

4-H members taking the "Confectionaries" project may enter each class. Include the recipe. **Recipes in which the egg/egg white is not cooked cannot be used.**

- \*E-430-001 **No-Cook Candies** - must be four to a plate.
- \*E-430-002 **Dipped Candies** - must be four to a plate.
- \*E-430-003 **Molded Candies** - must be four to a plate.
- \*E-430-004 **Cooked Candies** - must be four to a plate.
- \*E-430-005 **Microwave Candies** - must be four to a plate.
- \*E-430-006 **Candy - Other** (does not fit in above categories) must be four to a plate

## Department E - Food Preservation

### Food Preservation Rules

- A. ENTRIES PER INDIVIDUAL - One entry per exhibitor per class.
- B. PROCESSING METHODS - Current USDA processing methods and altitude adjustments must be followed for all food preservation. Jam, preserves and marmalades, fruit, tomatoes and pickled products must be processed in a boiling water bath. Tomatoes may be processed in a pressure canner. All non-acid vegetables and meats must be processed in a pressure canner. Spoiled or unsealed container disqualifies entry.
- C. 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. No zinc lids.
- D. CURRENT PROJECT- All canning must be the result of this year's 4-H project.
- E. CRITERIA FOR JUDGING-Exhibits will be judged according to score sheets available at your local Extension office or at <https://4h.unl.edu/fairbook/general/scoresheets-forms>. Incomplete exhibits will be lowered a ribbon class. Canned food items not processed according to altitude in the county will be lowered one class ribbon. Check with your local extension office for your county's altitude and how that affects food processing times and pounds of pressure.
- E. RECIPE/LABELING-Recipe must be included, may be handwritten, photocopied or typed. Commercially prepared mixes are not allowed. Current USDA guidelines for food preservation methods must be followed. Suggested resources include:
  - 4-H Food Preservation Manuals (Freezing, Drying, Boiling water Bath Canning, Pressure Canning)
  - USDA Guide to Home Canning: [https://nchfp.uga.edu/publications/publications\\_usda.html](https://nchfp.uga.edu/publications/publications_usda.html)
  - Nebraska Extension's Food Website: <https://food.unl.edu/canning>
  - Ball Blue Book (published after 2009) or online: <https://www.freshpreserving.com/recipes/>

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

1. Name of product
2. Date preserved
3. Method of preservation (pressure canner, water bath canner or dried)
4. Type of pack (raw pack or hot pack)
5. 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).

### Classes:

#### Division 407 - Food Preservation

Pay Category #4

##### Unit 1-Freezing Project Manual

- E-407-001 **Baked Item with Frozen Produce**-any recipe, at least  $\frac{3}{4}$  of baked product of 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Recipe MUST include a food item preserved by the freezing method done by the 4-H'er. Ex, Peach pie, blueberry muffins, zucchini bread, etc.) Supporting information must include both the recipe for the produce that was frozen as part of the project AND the baked food item. SF155

##### Unit 2-Drying Project Manual

- E-407-002 **Dried Fruit**-Exhibit 3 different examples of dried fruit. Place each dried fruit food (6-10 pieces of fruit, minimum  $\frac{1}{4}$  cup) in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together. SF147
- E-407-003 **Fruit Leather**-Exhibit 3 different examples of 3 different fruit leathers. Place a 3-4" sample of each fruit together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together. SF147
- E-407-004 **Vegetable Leather**-Exhibit 3 different samples of three different vegetable or vegetable/fruit leather combo. Place a 3-4" sample of each leather together in self-sealing bags. Use a rubber band or "twisty" to keep exhibit together. SF154
- E-407-005 **Dried Vegetables**-Exhibit 3 different samples of 3 different dried vegetables. Place each food ( $\frac{1}{4}$  cup of each vegetable) in a separate self-sealing bag. Use a rubber band or "twisty" to keep exhibit together. SF149
- E-407-006 **Dried Herbs**-Exhibit 3 different samples of dried herbs. Place each food ( $\frac{1}{4}$  cup of each herb) in a separate self-sealing bag. Use a "twisty" to keep exhibit together. SF149
- E-407-007 **Baked Item with Dried Produce/Herbs**-any recipe, at least  $\frac{3}{4}$  pf baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Recipe MUST include a dried produce/herb item made by the 4-H'er. Ex. Granola bar made with dried fruits, dried cranberry cookies, Italian herb bread, lemon thyme cookies. Supporting information must include both the recipe for the dried produce/herb AND the baked food item.

##### Unit 3-Boiling Water Canning Manual

- E-407-008 **1 Jar Fruit Exhibit**-One jar of a canned fruit. Entry must be processed in the boiling water bath according to current USDA recommendations. SF150
- E-407-009 **3 Jar Fruit Exhibit**-Exhibit 3 jars of different canned fruits. May be three different techniques for same type of product, ex. Applesauce, canned apples, apple pie filling, etc. Entry must be processed in the boiling water bath according to current USDA recommendations. SF150
- E-407-010 **1 Jar Tomato Exhibit**-One jar of a canned tomato product. Entry must be processed in the boiling water bath according to current USDA recommendations SF150

- E-407-011 **3 Jar Tomato Exhibit** - Exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.) Entry must be processed in the boiling water bath according to current USDA recommendations. SF150
- E-407-012 **1 Jar Pickled Exhibit** - One jar of a pickled and/or fermented product. Entry must be processed in the boiling water bath according to current USDA recommendations. SF150
- E-407-013 **3 Jar Pickled Exhibit** - Three jars of different kinds of canned pickled and/or fermented products. Entry must be processed in the boiling water bath according to current USDA recommendations. SF150
- E-407-014 **1 Jar Jelled Exhibit** - One jar of a jam, jelly or marmalade. Entry must be processed in the boiling water bath according to current USDA recommendations. SF153
- E-407-015 **3 Jar Jelled Exhibit** - Three different kinds of jelled products. Entry may be made up of either pints or half pints. Entry must be processed in the boiling water bath according to current USDA recommendations. SF153
- Unit 4 Pressure Canning Project Manual
- E-407-016 **1 Jar Vegetable or Meat Exhibit** - One jar of a canned vegetable or meat. Include only vegetables and meat canned in a pressure canner. Entry must be processed in the boiling water bath according to current USDA recommendations. SF150
- E-407-017 **3 Jar Vegetable Exhibit** - Three jars of different kinds of canned vegetables. Include only vegetables canned in a pressure canner according to current USDA recommendations. SF150
- E-407-018 **3 Jar Meat Exhibit** - Three jars of different kinds of canned meats. Include only meats canned in a pressure canner according to current USDA recommendations. SF150
- E-407-019 **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 complete menu on a 3" X 5" file card and attach to one of the jars. Entry must be processed according to current USDA recommendations. SF151
- E-407-020 **1 Jar Tomato Exhibit** - One jar of a canned tomato product. Entry must be processed in a pressure canner according to current USDA recommendations. SF150
- E-407-021 **3 Jar Tomato Exhibit** - Exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.) Entry must be processed in a pressure canner according to current USDA recommendations. SF150

## Department E – Safety

### Division 440 - General Safety

### Pay Category #4

#### Classes:

- E-440-001 **First Aid Kit:** A first aid kit is a good way to organize supplies in an emergency. The kit should be assembled in a container appropriate for the kit's intended use. A description of where the kit will be stored and examples of specific emergencies for that situation should be included in the exhibit. The kit should include a written inventory and purpose statement for included items. Items should cover the following areas: airway and breathing, bleeding control, burn treatment, infectious disease protection, fracture care and miscellaneous supplies. Use Citizen Safety manual, 4-H 425, pages 6 & 7 for guidance. Kits containing any of the following will be automatically disqualified:
- a. Prescription medications. (If the kit's purpose is to provide medication for someone with special needs, explain in the written description and inventory, but remove the medication.)
  - b. Materials with expiration dates on or before the judging date. (This includes sterile items, non-prescription medications, ointments, salves, etc. Articles dated month and year only are considered expired on the last day of that month.)
  - c. Any controlled substance.
- E-440-002 **Disaster Kit: (Emergency Preparedness)** - Disaster kits must contain the materials to prepare a person or family for emergency conditions caused by a natural or man-made incident. Selection of materials is left to the exhibitor. Family or group kits must have enough material or items for each person. A description of the kit's purpose, the number of people supported, and a list of contents are required. Youth are encouraged to test their kit by challenging their family to try to survive using only the include materials for the designated theme. If tested, share the experience in kit documentation. Please include short explanation of water needs for your disaster kit. Do not bring actual water to the fair in the kit. SF111.
- E-440-003 **Safety Scrapbook** - The Scrapbook must contain 15 news articles from print and/or Internet sources about various incident types. Mount each clipping on a separate page, accompanied by a description of events leading to the incident and any measures that might have prevented it. The Scrapbook should be bound in a standard size hardcover binder or notebook for 8 ½" X 11" size paper. Correct sentence structure, readability and thorough explanations are an important part of judging. SF292
- E-440-004 **Safety Experience** - The exhibit should share a learning experience the youth had related to safety. Examples could be participating in a first aid or first responder training, a farm safety day camp, babysitting workshop or similar event; scientific experiment related to safety; or the youth's response to an emergency situation. The exhibit should include a detailed description of the experience, the youth's role, some evidence of the youth's leadership in the situation and a summary of the learning that took place. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes. SF190
- E-440-005 **Careers In Safety** - The exhibit should identify a specific career area in the safety field and include education and certification requirements for available positions, salary information, demand for the field and a summary of the youth's interest in the field. Examples of careers include firefighters, paramedics, emergency management personnel, some military assignments, law enforcement officers, emergency room medical personnel, fire investigator and more. It is recommended youth interview a professional in the field in their research. Additional research sources might include books, articles, career web sites, job-related government web sites or interviews with career placement or guidance counselors. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes. SF191

- \*E-440-006 **Safety Poster** - The exhibit should share a learning experience relating to safety. Examples could be- first aid, farm safety, babysitting, bicycle safety, water safety or other common safety measures. Posters must be constructed of commercial poster board at least 11" x 14", but not larger than 22" x 28".

#### Division 450 - Fire Safety Education

Pay Category #4

##### Classes:

- E-450-001 **Fire Safety Poster** - This is a home floor plan drawn to scale showing primary and secondary escape routes and where fire extinguishers and smoke detectors are located. Draw every room, including all doors and windows. Use **black or blue** arrows showing **primary** escape routes from each room. Use **red** arrows showing **secondary** routes to use if the primary routes are blocked. Primary and secondary escape routes must lead outside to an assembly location. Documentation should include evidence the escape plan has been practiced at least four times. Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28". SF269
- E-450-002 **Fire Safety Scrapbook** - The scrapbook must contain 10 news articles from print and/or internet sources about fires to residential or commercial properties or landscapes. Mount each clipping on a separate page accompanied by a description of events leading to the incident and any measures that might have prevented it. The Scrapbook should be bound in a standard size hardcover binder or notebook for 8 ½" X 11" sized paper. Correct sentence structure, readability and thorough explanations are an important part of judging. SF270)
- E-450-003 **Fire Prevention Poster** - Posters should promote a fire prevention message and be appropriate to display during National Fire Prevention Week or to promote fire safety at specific times of the year (Halloween, 4th of July, etc.). Originality, clarity and artistic impression will all be judged. Do not include live fireworks, matches or other flammable/explosive/hazardous materials. Any entry containing this material will be disqualified. Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28". SF268

## DEPARTMENT F – ENTREPRENEURSHIP

### ESI: EntrepreneurShip Investigation

#### General Information:

All exhibits are directly related to activities in the project manual. Refer to the manual for ideas, suggestions and additional information to enhance project exhibits.

#### Exhibit Guidelines:

The 4-H member's name, age, town and county must be listed on the back of the exhibit. Entry cards should be stapled (not paper-clipped or taped) to the upper right-hand corner of the posters.

If exhibit is a poster it must be 14" x 22" and may be arranged either horizontally or vertically.

Poster may not use copyrighted materials, such as cartoon characters or commercial product names.

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

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

Pay Category #4

**Division 531** –SF18. For class 3, follow guidelines for posters.

- F-531-001 **Interview an Entrepreneur:** Share what you learned from the person about starting and running a business or how they deliver excellent customer service. How will what you have learned through this interview change your future plans or ways of thinking about business? (based on pages 2.1 - 2.4 of manual) SF181
- F-531-002 **Social Entrepreneurship Presentation:** Prepare a five slide power point presentation about a social entrepreneurship event to benefit a group or individual in your community. Social entrepreneurs are people who are in business to help others. Submit a printout of the note pages which show each slide and include an explanation of each slide. Enter exhibit in a report with fasteners (no slide bars). Refer page 2.4 of Unit 2 The Case of Me for ideas. SF181
- F-531-003 **Marketing Package** - (mounted on a 14" x 22" poster) must include at least three items (examples) developed by the 4-H'er from the following list: business card, brochure, advertisement, business promotional piece, printout of an internet home page, packaging design, signs, logo design, direct mail piece, etc. The marketing package should be for an original business developed by the 4-H'er and not an existing business.
- F-531-004 **Sample of an Original Product** with an information sheet (8 ½" x 11") answering the following questions:
1. What did you enjoy the most about making the product?
  2. What challenges did you have when making the product? Would you do anything differently next time? If so, what?
  3. What is the suggested retail price of the product? How did you decide on the price?
  4. Market analysis of the community – data gathered through a survey of potential customers. Use the three questions on page 3.3 and survey at least 10 people in your community about your product.
  5. How much would you earn per hour? Show how you determined this figure.
  6. What is unique about this product?
- F-531-005 **Photos of an Original Product** - (14" x 22" poster) must include three photos of developed product and mounted 8.5" x 11" information sheet answering these questions. ***If exhibiting in bother class F-531-004 and F-531-005, products must be entirely different products.***
1. What do you enjoy most about this service business?
  2. What challenges did you have when starting the business? Would you do anything differently next time? If so, what?
  3. What do you charge for your service(s)? How did you decide this price?



4. Market analysis of the community through data gathered from a survey (using questions on page 3.3 with at least 10 potential customers). Use the three questions on page 3.3 and survey at least 10 people in your community about your product.
5. How much do you earn per hour? Show how you determined this figure.
6. What is unique about this business?

F-531-006 **Entrepreneurship Challenge** –Take on the entrepreneurship challenge. Entrepreneurship Challenge is open to 4-H’ers enrolled in any of the three units of ESI. Complete five (5) or more of the challenges from the following list. The exhibit will include highlights from these five (5) challenges. Consider labeling each challenge so the viewer will understand what the challenge was. Enter a poster, video, report or scrapbook related to the learning from the challenge. Use your creativity to show and share what you learned. Select your five (5) challenges from the list below:

1. Sell something.
  2. Introduce yourself to a local entrepreneur and take a selfie with them.
  3. Be a detective! Look for Nebraska-made products and find out more about the business.
  4. Tour 2-3 entrepreneurial businesses and create a photo story.
  5. Investigate what it takes to be an entrepreneur (Skills Assessment ESI 4.1.)
  6. Make a prototype (sample/model) of a new product idea. (Include the prototype or a photo of prototype.)
  7. Work with a friend to develop a new business idea!
2. Create an activity to teach others about entrepreneurship (coloring page, puzzle, game, etc.)

## 1. DEPARTMENT F – Personal Development Culinary Challenge Contest

4-H'ers enrolled in any foods project are eligible to enter the Culinary Challenge Contest. Enter individually or as a team. Choose a theme and design a table setting. Create a menu. Prepare and incorporate the challenge ingredient into one food item and bring that food item to the contest. Be creative! The 2022 challenge ingredient is WHEAT. It may be used in any form. Participate in a live interview with a judge and incorporate technology into your table presentation interview.

### Classes:

\*F-500-096 **Beginning Table Toppers Contest** (8-10 years old) Choose a theme, design a table setting, create a menu, prepare food item with challenge ingredient and interview with the judge.

### Division 500

\*F-500-097 **Intermediate-Beginning Foods** (8-13 years old)

\*F-500-098 **Advanced Foods** (14 years & up)

**Pay Category #3**

### Livestock Judging Contests

**Livestock Judging** (held at the Butler County Fairgrounds on May 18 beginning with registration at 6 p.m. and the contest to begin at 6:30 p.m.)

F-500-101 **Junior Division** (ages 8-11)

F-500-103 **Senior Division** (ages 14 and older)

F-500-102 **Intermediate Division** (ages 12-13)

**Pay Category #3**

### Miscellaneous Contests

F-500-104 **Weed ID**

F-500-031 **Insect ID**

F-500-023 **Horticulture ID**

F-500-105 **Other** contest not listed.

F-500-046 **Tree ID**

**Pay Category #3**

## DEPARTMENT G - PLANTS & ANIMALS

### Department G - Agronomy (Crops & Range)

Including projects related to Field Crops & Range

The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection.

For guidelines on specific projects, refer to appropriate project manuals.

### Department G, Division 750 Field Crops

**Pay Category #4**

#### Grain or Plant Exhibits - Classes 1-5: :

- A completed Crop Production Worksheet (available at <https://cropwatch.unl.edu/Youth/Documents/Crop%20Production%20Project%20Worksheet%20Final.pdf>) must accompany grain and plant exhibits or it will automatically be deducted one ribbon placing. The worksheet must include the exhibitors name and address, county, plant hybrid or variety, plant population, whether crop production was irrigated or dryland, and general information including farm cropping history, soil type and weather effects.
- The worksheet also must include an economic analysis of the project, listing individual expenses and income, on a per acre basis. Other topics to discuss are the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation,

labor, pesticides, etc.), any observations made during the growing season and what you learned from your crops project. The worksheet counts as 50% of the total when judged.

- Worksheet must be the original work of the individual exhibitor or it will be deducted one ribbon placing.
- Attach the worksheet to the entry in a clear plastic cover such that it can be read without removing it from the cover. In addition to the worksheet, grain and plant exhibits will be judged on condition, appearance (i.e. disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit. Refer to Scoresheet SF264. Grain exhibits must be one gallon per sample. Grain exhibits harvested in the fall (e.g., corn or soybeans) may be from the previous year's project. Display containers will be furnished.
- Plant exhibits, with the exception of ears of corn, must be the result of the current year's project. - Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
- Grain Sorghum - 4 stalks (cut at ground level and bound together)
- Soybeans - 6 stalks (cut at ground level and bound together)
- Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
- Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level or half size small square bale.

#### Classes:

G-750-001 **Corn** (includes yellow, white, pop, waxy, or any other type) SF264

G-750-002 **Soybeans** SF264

G-750-003 **Oats** SF264

G-750-004 **Wheat** SF264

G-750-005 **Any Other Crop** (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc. SF264

#### Displays – Classes 6-10

- Displays: The purpose of the display is to tell an educational story to those that view the display.
- The display is a visual representation (pictures, charts, graphs) no larger than 28" wide by 28" tall on plywood or poster board.
- The display should be neatly titled. Make sure to label display with exhibitor's name, address, and county on back side. Explain pictures and graphs clearly and concisely.
- Consider creativity and neatness. Refer to Scoresheet SF259 Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used.
- The essay should be in a clear plastic cover with the exhibitor's name outside.
- If a display does not have an essay, it will automatically be deducted one ribbon placing.

G-750-006 **Crop Production Display** - The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, pest management, etc. SFSF259

G-750-007 **Crop Technology Display** - Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc. SF259

G-750-008 **Crop End Use Display** - Display information about the uses for a crop, such as food, feed, fuel, or other products. SF259

G-750-009 **Water or Soil Display** - Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources. SF259

G-750-010 **Career Interview Display** – The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview 1 person that works with crops about such topics as what parts of their job do they enjoy or dislike, why did they choose that career, what was their education, etc. Include a picture of the person interviewed. SF259

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, full address, 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. The following file formats will be accepted: mp4, .mov, .ppt, or .avi.

G750013 - **Special Agronomy Project (Freshly Harvested Crop)** Plant exhibits must be the result of the current year's project. Depending on the type of crop selected for the current year:

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.

## Department D - Range Management

- A. Each exhibit must be properly identified with Unit and Class.
- B. All plant displays and display covers must be the result of the current year's work.
- C. Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, and grass-like plants) can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2016), Common Grasses of Nebraska (EC170), and Common Forbs and Shrubs of Nebraska (EC118).

### Division 330 – Books

**Pay Category #4**

- 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 SF260.
- C. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: 1. Scientific Name (in italic or underlined), with authority. 2. Common Name. 3. County of Collection. 4. Collection Date 5. Collector's Name. 6. Personal collection number, indicating order that plants were collected in your personal collection. 7. Other information, depending on class selected, i.e., value and importance, life span, growth season, origin, major types of range plants. This information should be typed or printed neatly.

Scientific name:	<i>Schizachryium scoparium</i> (Michx.) Nash
Common name:	Little Bluestem
County of collection:	Butler County
Collection date:	6 August 2017
Collector's name:	Joe Smith
Personal collection number:	7
Value and Importance:	
Livestock Forage:	High
Wildlife Habitat:	High
Wildlife Food:	Medium
<b>OR</b> Life Span: Perennial <b>OR</b> Season of Growth: Warm Season <b>OR</b> Origin: Native	

### Division 330

**Pay Category #4**

- D-330-001 **Value and Importance for Livestock Forage and Wildlife Habitat and Food Book** – A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. Value and importance classifications can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2016) starting on page 42. Plants can consist of any combination of grasses, grasslike 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, and Wildlife Food.
- D-330-002 **Life Span Book** – A collection of 6 perennial plants and 6 annual plant mounts and 6 warm-season grass mounts selected from grasses or forbs.
- D-330-003 **Growth Season Book** – A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.
- D-330-004 **Origin Book** – A collection of plant mounts of 6 native range grasses and 6 introduced grasses. Introduced grasses are not from North America and often used to seed pastures.
- D-330-005 **Major Types of Range Plants Book** – A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.
- D-330-006 **Range Plant Collection Book** – A collection of 12 range plant mounts with something in common (i.e. poisonous to cattle or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.) Include a short paragraph in the front of the book which describes what the plants have in common and why you have chosen to collect them.

**Division 330 – Displays** - The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28" by 28" on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, address, and county on back side. Refer to SF259.

- D-330-007 **Parts of a Range Plant Poster** – Mount a range plant on a poster board. Label all the plant parts. Include the plant label in the power right corner. Put your name and 4-H county on the back of the poster.

### Division 330 – Boards

**Pay Category #4**

- Boards should be no larger than 30" wide by 36" tall. Boards should be adequately labeled. Refer to SF260.
- D-330-008 **Special Study Board** – A display of the results of a clipping study, a degree of use study, range site study, etc.
- D-330-009 **Junior Rancher Board** – This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management.

**Level 1 Eco-Wonders**

- \*D-990-001 Build Your Own Ecosystem - Follow directions and diagram on page 11 of Level 1 manual.
- \*D-990-002 Food Web - Make a poster illustrating a food web for the ecosystem found in your backyard. Follow guidelines for posters listed on page 22.
- \*D-990-003 Weather Instrument or Weather Log - Make a rain gauge or pinwheel to determine direction of the wind. Follow directions for these on pages 19 and 20 of Level 1 Manual

**Level 2 Eco-Wonders**

**Pay Category # 4**

- \*D-990-004 Identify Flower Parts - Make a poster illustrating all of the parts of a flower. Follow guidelines for posters listed on page 22.
- \*D-990-005 Groundwater Model - using diagram on page 27 of Level II manual, construct a groundwater model of your area using colored clay or play dough. Include key to describe colors. Use poster board for the base no larger than 12" x 12".
- \*D-990-006 Soil Profile Poster - Dig a hole approximately 1 foot deep. Illustrate different soil types using crayons or colored pencils. Use page 15 in Level II manual for reference.

**Level 3 Eco-Wonders**

**Pay Category # 4**

- \*D-990-007 Global Positioning System Chart - Using a GPS choose 5 landmarks and chart locations. For Example: your house, make sure to include street address along with GPS Description.
- \*D-990-008 Biotechnology - Inventory items found in your refrigerator. Explain how biotechnology is used to create these products and its benefits in an essay no longer than 2 pages typewritten.

**Department G - Weed Science**

**Weed Science**

- A. Any individual in the Conservation, Environment 1, 2, or 3. Range, Reading the Range 1 or Using Nebraska Range 2, or Crop Production, Field Crops projects may exhibit a weed book or weed display. At least 15 of specimens must represent this year's work. For assistance identifying plants, participants can use Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994) or Weeds of the Great Plains (2003).

**Division 751 – Books**

**Pay Category #4**

- A. 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 clover.
- B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements. Refer to SF261.
- C. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: 1) Scientific name (in italic or underlined), with authority, 2) Common name, 3) County of collection, 4) Collection date, 5) Collector's name, 6) Personal collection number, including the order that plants were collected, in your personal collection, 7) Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed neatly.

Scientific name:	<i>Abutilon theophrasti</i> Medik
Common name:	Velvetleaf
County of collection:	Butler County
Collection date:	6 July 2017
Collector's name:	Dan D. Lion
Personal collection number:	3
Life Cycle:	Annual

- G-751-001 **Weed Identification Book** – A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plumeless thistle, salt cedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, bohemian knotweed, or phragmites), and at least five weeds that are a problem primarily in lawns.
- G-751-002 **Life Span Book** – A collection of 7 perennials, 1 biennial, and 7 annual weeds.

**Division 751 – Displays**

**Pay Category #4**

- A. The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28" by 28" on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, address, and county on back side. Explain pictures and graphs clearly and concisely. Refer to SF259.
- B. **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.

**Classes:**

- G-751-003 **Weed Display** - The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as interesting information about a weed species, the effects of weed control, herbicide resistant weeds, what makes a weed a weed, or uses for weeds.
- \*G-751-004 **Weed Seeds Display**

Exhibitors are limited to 6 entries in floriculture classes 1-45.

Youth must be enrolled in the **World of Flowers** and/or **Annual Flowers** projects to exhibit.

The cultivar or variety name must be included on all entry cards. Failure to identify the cultivar or variety will drop the entry one ribbon placing. Proper identification is the responsibility of the exhibitor not the Extension staff or office personnel. For Floriculture, punch hole in the top center of entry tag, use a rubber band to securely attach entry tag to containers.

Exhibits containing an incorrect number of stems will be dropped one ribbon placing. A perennial is defined as a plant of which the crown overwinters. An annual is a plant that grows from seed each season, whether self-seeded or planted by the gardener. A biennial is a plant that germinates, grows and overwinters as a crown, blooms the following year and dies. Foliage will be considered when exhibit is judged.

All 3 or 5 stems of cut flowers should be the same cultivar and color, do not mix cultivars and colors. Containers will not be judged; however, they should be glass containers of a neutral color that won't tip over and of adequate size to display blooms. Containers will not be returned at State Fair. Score Sheet SF106.

Follow the guidelines in 4-H "Preparing Cut Flowers for Exhibits" [4-H Preparing Cut Flowers for Exhibits 4H227](#) when preparing entries for the fair.

**Division 770**

**Classes:**

**Annuals and biennials** - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

G-770-001	Aster	G-770-014	Marigold
G-770-002	Bachelor Buttons	G-770-015	Pansy
G-770-003	Bells of Ireland	G-770-016	Petunia
G-770-004	Browallia	G-770-017	Salvia
G-770-005	Calendula	G-770-018	Snapdragon
G-770-006	Celosia (crested or plume) (3 stems)	G-770-019	Statice
G-770-007	Cosmos	G-770-020	Sunflower (under 3" diameter-5 stems, 3" or more in diameter-3 stems)
G-770-008	Dahlia	G-770-021	Vinca
G-770-009	Dianthus	G-770-022	Zinnia
G-770-010	Foxglove	G-770-023	Any other annual or biennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) No duplicates of classes 1 -22.
G-770-011	Gladiolus (3 stems)		
G-770-012	Gomphrena		
G-770-013	Hollyhock (3 stems)		

**Perennials** - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

G-770-030	Achillea/Yarrow	G-770-039	Lilies (3 stems) (not Daylilies)
G-770-031	Chrysanthemum	G-770-040	Platycodon
G-770-032	Coneflower	G-770-041	Rose (3 stems)
G-770-033	Coreopsis	G-770-042	Rudbeckia/Black-eyed Susan
G-770-034	Daisy	G-770-043	Sedum
G-770-035	Gaillardia	G-770-044	Statice
G-770-036	Helianthus	G-770-045	Any other perennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) (do not duplicate entries in classes 30-43)
G-770-037	Hydrangea (3 stems)		
G-770-038	Liatris (3 stems)		

G-770-046 **4-H Flower Garden Collection** of 5 different flowers. Each flower in the collection should be exhibited with the number specified for classes 1-45. Display in a box or other holder not more than 18" in any dimension. Boxes may not be returned at State Fair. Each flower in the collection should be exhibited with the number specified for classes 1-45. Do not duplicate entries in classes 1-45 with any in the group collection.

**Educational Exhibits**

G-770-050 **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. 4-H'ers may show more than one cultivar of the same species, but they will only count as one species. The notebook must be the result of the current year's work. Pictures from garden catalogs, hand drawn pictures, or photographs may be used. Each species/cultivar must be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (for example: needs full sun and dry sandy soil) the species prefers. In addition to this information, bulbs should also be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the notebook. Score Sheet SF100.

G-770-051 **Flower Garden Promotion Poster** - Individual poster promoting flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. as long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. SF103.

G-770-052 **Educational Flower Garden Poster** - Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned about in a 4-H flowers or houseplant project. One might show a special technique used or equipment incorporated in the garden. Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. SF104.

G-770-053 **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, full address, county, and years in the project(s) must be on the back of the report cover. SF105.

## Houseplants

Youth must be enrolled in the **Growing Great Houseplants** project to exhibit in classes 60-66.

**Container Grown Houseplants:** The choice of container and soil quality will be considered in judging. Each houseplant must be identified by listing the names on the entry tag or on a card attached to the container. Houseplants should be grown in the display container for a minimum of six weeks. Plants grown as houseplants must be used. NebGuide G2205 "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. Entries in Classes 60-66 must have been designed and planted by the 4-H member. Container grown houseplants must have received a purple ribbon at the county fair to be exhibited at the State Fair. Container grown houseplants shall be in pots no greater than 12" in diameter (inside opening measurement). Dish gardens, fairy or miniature gardens, desert gardens and terrariums may be up to 12" in diameter (inside opening measurement). Any container grown plant in Classes 60-66 that is greater than 12" in diameter will be dropped one ribbon placing. Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H members name, age, full address, county, and years in the project(s) must be on the bottom or back of the container and saucer. SF107.

G-770-060 **Flowering potted houseplant(s)** that are blooming for exhibition. Container may have one or more houseplants in container. Label name of each plant. Non-blooming plants will be disqualified.

G-770-061 **Foliage potted houseplant** one variety of tropical or cacti or succulent plant.

G-770-062 **Hanging basket** of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label name for each plant.

G-770-063 **Dish garden** - an open/shallow container featuring a variety of houseplants excluding cacti and succulents.

G-770-064 **Fairy or Miniature Garden** – A miniature "scene" contained in an open container and featuring miniature or small, slow growing houseplants. The garden needs to have an imaginative theme and miniature accessories, *i.e.* bench, fence made from tiny twigs, small shell for a bath tub, etc.

G-770-065 **Desert garden** - an open/shallow container featuring cacti and/or succulents grown as houseplants.

G-770-066 **Terrarium** - a transparent container, partially or completely enclosed; sealed or unsealed.

\*G-770-067 **Outdoor hanging basket** of flowering and/or foliage outdoor plants.

\*G-770068 **Outdoor potted plant(s)**- A potted container of flowering and/or foliage outdoor plants.

## Division 773 - Vegetables, Herbs, Fruits & Educational Exhibits

**Pay Category #4**

Exhibitors are limited to 6 exhibits in horticulture classes 201-252.

Youth must be enrolled in the **Everyone A Gardener, Gardening Unit 1-Unit 4**, and/or **Special Garden Project**.

The cultivar or variety name must be included on all entry cards. Failure to identify the cultivar or variety will drop the entry one ribbon placing. Proper identification is the responsibility of the exhibitor, not the Extension staff or office personnel. Exhibits entered under an incorrect class number or containing an incorrect number of vegetables will be dropped one ribbon placing. In classes 252, 255, 268, 269, 285 and 286 do not duplicate entries from any 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. SF108.

Follow the guidelines in "Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit" 4-H 226 (revised June 2013) (Free Download- <http://4h.unl.edu/web/4hcurriculum/PreparingVegetablesHerbsandFruit>) when preparing entries for the fair. At State Fair, plates will be provided for the exhibitor.

### Classes:

#### Division 773

Class	Vegetable	# to Exhibit			
G-773-201	Lima Beans	12	G-773-219	White Onions	5
G-773-202	Snap Beans	12	G-773-220	Parsnips	5
G-773-203	Wax Beans	12	G-773-221	Bell Peppers	5
G-773-204	Beets	5	G-773-222	Sweet (Non-Bell) Peppers	5
G-773-205	Broccoli	2	G-773-223	Jalapeño Peppers	5
G-773-206	Brussels Sprouts	12	G-773-224	Hot (Non-Jalapeno) Peppers	5
G-773-207	Green Cabbage	2	G-773-225	White Potatoes	5
G-773-208	Red Cabbage	2	G-773-226	Red Potatoes	5
G-773-209	Carrots	5	G-773-227	Russet Potatoes	5
G-773-210	Cauliflower	2	G-773-228	Other Potatoes	5
G-773-211	Slicing Cucumbers	2	G-773-229	Pumpkin	2
G-773-212	Pickling Cucumbers	5	G-773-230	Miniature Pumpkins (Jack Be Little type)	5
G-773-213	Eggplant	2	G-773-231	Radish	5
G-773-214	Kohlrabi	5	G-773-232	Rhubarb	5
G-773-215	Muskmelon/Cantaloupe	2	G-773-233	Rutabaga	2
G-773-216	Okra	5	G-773-234	Green Summer Squash	2
G-773-217	Yellow Onions	5	G-773-235	Yellow Summer Squash	2
G-773-218	Red Onions	5	G-773-236	White Summer Squash	2

G-773-237	Acorn Squash	2	G-773-245	Salad Tomatoes < 2" diameter	12
G-773-238	Butternut Squash	2	G-773-246	Yellow Tomatoes >2" diameter	5
G-773-239	Buttercup Squash	2	G-773-247	Turnips	5
G-773-240	Other Winter Squash	2	G-773-248	Watermelon	2
G-773-241	Sweet Corn (in husks)	5	G-773-249	Dry Edible Beans	1 pint
G-773-242	Swiss Chard	5	G-773-250	Gourds, mixed types	5
G-773-243	Red Tomatoes > 2" diameter	5	G-773-251	Gourds, single variety	5
G-773-244	Roma or Sauce-type tomatoes	5	G-773-295	Peas	12

G-773-252 **Any other vegetable** 2, 5 or 12 (do not duplicate entries in classes 201-251) that doesn't fit in any other class

G-773-255 **4-H Vegetable Garden Collection** of five kinds of vegetables. Display Garden Collection in a box not more than 24" in any dimension. Boxes 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.

G-773-256 **4-H Cultivar Vegetable Collection.** Vegetables entered in the collection are 5 cultivars from a single exhibit; for example, 5 cultivars of all types of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24" in any dimension. Boxes may not be returned from State Fair. Showmanship will be considered in judging; but plastic grass, cotton figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252).

### Herbs

Herbs will be judged using the same general criteria used for vegetables. Those grown mainly for their seed, such as dill and caraway, should be exhibited on a plate. Those grown for their leaves such as basil, parsley, etc. should be exhibited in a glass container of water. Containers may not be returned from State Fair. Potted herb plants will be disqualified and will not be judged. SF108.

Class	Herb	# to Exhibit	Class	Herb	# to Exhibit
G-773-260	Basil	5	G-773-265	Parsley	5
G-773-261	Dill (dry)	5	G-773-266	Sage	5
G-773-262	Garlic (bulbs)	5	G-773-267	Thyme	5
G-773-263	Mint	5	G-773-268	Any other herb	5
G-773-264	Oregano	5	(do not duplicate entries in classes 260-267)		

G-773-269 **4-H Herb Garden Display of 5 different herbs.** Displayed in a box or other holder not more than 18" in any dimension. Boxes 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. Score Sheet SF108.

Class	Fruit	# to Exhibit	Class	Fruit	# to Exhibit
G-773-280	Strawberries (everbearers)	1 pint	G-773-284	Wild Plums	1 pint
G-773-281	Grapes	2 bunches	G-773-285	Other small fruit or berries	1 pint
G-773-282	Apples	5	(do not duplicate entries in classes 280-284)		
G-773-283	Pears	5	G-773-286	Other fruits OR nuts	5
(do not duplicate entries in classes 280-284)					

### Educational Exhibits

G-773-290 **Garden Promotion Poster** - Individual poster promoting vegetable or herb gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium so long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. SF103.

G-773-291 **Educational Vegetable or Herb Garden Poster** - Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-H'er has done or learned about in a 4-H vegetable gardening project. One might show a special technique used or equipment incorporated in the garden (e.g., drip irrigation system, composting, or special techniques learned). Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address county, and years in the project(s) must be on the back of the poster. SF104.

G-773-292 **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, full address, county, and years in the project(s) must be on the back of the report cover. SF105.

G-773-293 **Vegetable Seed Display** - Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families, plus representatives from 5 other families. Group the seeds by family and type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster mat board no larger than 22" x 24". Label each group and each individual vegetable type with the common and scientific names. Use only one variety or cultivar of each vegetable, except for beans where several examples of beans may be shown. Attach a card to the back of the display explaining why and how it is important to know which vegetables are related, and cite references on where the scientific name information was found. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the display. Information on vegetable family members can be obtained from your extension office. SF101.

G-773-294 **World of Vegetables Notebook** - Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g. Mexican, African, Chinese, Italian, etc.). Include a report telling about a minimum of 5 vegetables and/or herbs from each country chosen. Include the scientific and common names; pictures of the plants from your garden or seed catalogs; tell how they are grown; and how the foods are used. Also list a source for buying the seed or plants. Favorite recipes using some or all of the vegetables described may be included. Give proper credit by listing the source of pictures and information used. Protect in a clear report cover or 3-ring notebook. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the report cover or notebook. SF102.

#### **Division 775 - Special Garden Project**

Youth must be enrolled in the current year's Special Garden Project to exhibit. Fresh cut flowers or harvested vegetables should be entered in the appropriate class listed above.

G-775-001 **Special Garden Project** - Educational exhibit based on what was learned from the project. Present information on a poster 14"x22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, full address, and county must be on the back of the poster or report cover. SF109

G-775-002 **Special Garden Project Fresh Cut Flowers or Harvested Vegetable** – The current years' Special Garden Project fresh cut flowers or harvested vegetables should be entered in this class. Refer to classes 001-045 for quantity to exhibit -special garden project vegetable.

## **DEPARTMENT G - ANIMALS**

### **NATIONAL CODE OF SHOW RING ETHICS – IAFE (International Association of Fairs and Expositions)**

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 junior all well as open class exhibitors who compete in structured classes of competition. This code applies to all livestock offered in any event at a livestock show. In addition to the "IAFE National Code of Show Ring Ethics," fairs and livestock shows may have rules and regulations which they impose on the local, county, state, provincial and national levels.

All youth leaders working with junior exhibitors are under an affirmative responsibility to do more that 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. Owners, exhibitors, fitters, trainers and absolutely responsible persons who violate the code of ethics will forfeit premiums, awards and auction proceeds and shall be prohibited from future exhibition in accordance with the rules adopted by the respective fairs and livestock shows. Exhibitors who violate this code of ethics demean the integrity of all livestock exhibitors and should be prohibited from competition at all livestock shows in the United States and Canada.

The following is a list of guidelines for all exhibitors and all livestock in competitive events:

1. All exhibitors must present, upon request of fair and livestock show officials, proof of ownership, length of ownership and age of all animals entered. Misrepresentation of ownership, age, or any facts relating thereto is prohibited.
2. Owners, exhibitors, fitters, trainers, or absolutely responsible persons shall provide animal health certificates from licensed veterinarians upon request by fair or livestock show officials.
3. Junior exhibitors are expected to care for and groom their animals while at fairs or livestock shows.
4. Animals shall be presented to show events where they will enter the food chain free of volatile drug residues. The act of entering an animal in a livestock show is the giving of consent by the owner, exhibitor, fitter, trainer and/or absolutely responsible person for show management to obtain any specimens of urine, saliva, blood, or other substances from the animal to be used in testing. Animals not entered in an event which culminates with the animal entering the food chain shall not be administered drugs other than in accordance with applicable federal, state and provincial statues, regulations and rules. Livestock shall not be exhibited if the drugs administered in accordance with the federal, state, provincial statues, regulations and rules affect the animal's performance or appearance at the event. If the laboratory report of the analysis of saliva, urine, blood, or other sample taken from livestock indicates the presence of forbidden drugs or medication, this shall be prima facie evidence such substance has been administered to the animal either internally or externally. It is presumed that the sample of urine, saliva, blood, or other substance tested by the laboratory to which it is sent is the one taken from the animal in question, its integrity is preserved and all procedures of said collection and preservation, transfer to the laboratory and analysis of the sample are correct and accurate and the report received from the laboratory pertains to the sample taken from the animal in question and correctly reflects the condition of the animal at the time the sample was taken, with the burden on the owner, exhibitor, fitter, trainer, or absolutely responsible person to prove otherwise. At any time after an animal arrives on the fair or livestock show premises, all treatments involving the use of drugs and/or medications for the sole purpose of protecting the health of the animal shall be administered by a licensed veterinarian.
5. Any surgical procedure or injection of any foreign substance or drug or the external application of any substance (irritant, counterirritant, or similar substance) which could affect the animal's performance or alter its natural contour, conformation, or appearance, except external applications of substances hoofs or horns of animals which affect appearance only and except for surgical procedures performed by a duly licensed veterinarian for the sole purpose of protecting the health of animal, is prohibited.
6. The use of showing and/or handling practices or devices such as striking animals to cause swelling, using electrical contrivance, or other similar practices are not acceptable and are prohibited.
7. Direct criticism or interference with the judge, fair or livestock show management, other exhibitors, breed representatives, or show officials before during, or after the competitive event is prohibited. In the furtherance of their official duty, all judges, fair and livestock show management, or other show officials shall be treated with courtesy, cooperation and respect and no person shall direct abusive or threatening conduct toward them.



8. No owner, exhibitor, fitter, trainer, or absolutely responsible person shall conspire with another person or persons to intentionally violate this code of ethics or knowingly contribute or cooperate with another person or persons either by affirmative action or inaction to violate this code of ethics. Violation of this rule shall subject such individual to disciplinary action.
9. The application of the code of ethics provides for absolute responsibility for an animal's condition by any owner, exhibitor, fitter, trainer, or participant whether or not he or she was actually instrumental in or had actual knowledge or the treatment of the animal in contravention of this code of ethics.
10. The act of entering an animal is the giving of consent by the owner, exhibitor, fitter, trainer, or absolutely responsible person to have disciplinary action taken by the fair or livestock show for violation of this Code of Show Ring Ethics and any other rules of competition of the fair or livestock show without recourse against the fair or livestock show. The act of entering an animal is the giving of consent that any proceedings or disciplinary action taken by the fair or livestock show may be published with the name or the violator or violators in any publication of the International Association of Fairs and Expositions, including Fairs and Expositions and any special notices to members.
11. The act of entering of an animal in a fair or livestock show is the giving of verification by the owner, exhibitor, fitter, trainer, or absolutely responsible person that he or she has read the IAFE National Code of Show Ring Ethics and understands the consequences of and penalties provided for actions prohibited by the code. It is further a consent that any action which contravenes these rules and is also in violation of federal, state, or provincial statutes, regulations, or rules may be released to appropriate law enforcement authorities with jurisdiction over such infractions.

#### LIVESTOCK RULES

**Quality Assurance Training**—All 4-H/FFA exhibitors in beef, cattle, goats, sheep, swine, rabbits, and poultry must have completed an approved food animal quality assurance training program. Exhibitors must have received Quality Assurance Certification through a UN-L Extension-based program prior to the fair. Program attendance is required. Completion of training will be certified by the county extension staff.

#### DRESS CODE:

Exhibitors showing beef, dairy, dogs, cats, pets, goats, sheep, swine, poultry, and rabbits are required to wear the official 4-H (club t-shirts are acceptable) or FFA t-shirt, long, dark blue jeans, and hard-soled shoes. **Canvas shoes will constitute disqualification in the show ring.** If there is no official 4-H t-shirt, exhibitors are required to wear a white shirt (or blouse) with the official 4-H chevron attached. NO hats, caps or other types of headgear are to be worn in the show ring.

#### STATEMENT FOR GROOMING:

Grooming, clipping, or blocking of animals shall be done by the exhibitor or their family (including brothers, sisters, or parents). Butler County exhibitors may help each other. **Professional groomers are NOT allowed.**

#### We will follow the State Fair Blow and Go rules:

**GROOMING OF LIVESTOCK:** Preparation and grooming of an animal should be the primary responsibility of the Butler County Fair exhibitor; however, assistance may be provided by immediate family members.

1. Animals will be shown free of any adhesive, glue, paint, or powder products.
2. Any compounds that have adhesive qualities that when applied cannot be combed or brushed through or alter the color of the animal are forbidden. These products include but are not limited to commonly used adhesives and colorants such as Prime Time, EZ Comb, Tail Adhesive, Ultra White Touch-Up, Black Touch-Up, Black Finisher and black show foam.
3. Alcohol, water, oil, foam or any water- or alcohol-based products with no adhesive or glue qualities or artificial colorings are permitted. These products include conditioners and commonly used sprays such as Kleen Sheen, Revive, Final Bloom and white show foam. Paint will be allowed on the hooves and dewclaws only.

**NO Butt Fans or Portable Generators** will be allowed in or around 4-H livestock buildings. Any of these items may be removed at the discretion of the superintendents or fair personnel.

#### NOTICE TO LIVESTOCK EXHIBITORS

The following dates are given as deadlines for identifying animals to be shown at the Butler County Fair and State Fair. FFA exhibitors must also abide by these deadlines in order to show at the Butler County Fair. All information on the identification papers must be complete and turned in to the Extension Office. Late animal I.D.s at county level will be accepted. **However, entries will be lowered one complete ribbon color placing and will not be eligible for final championship drives.** Failure to meet these deadlines will forfeit any and all chances of exhibiting at shows outside of Butler County. Any transfer of ownership or new purchase of animals needs to be recorded on the appropriate ID forms and filed with the County Extension Office prior to these dates. Any transactions after these dates will be considered a late ID and will be subject to that penalty. Animals can only be identified in one county.

**MARKET BEEF** - Must be ear tagged and identified prior to April 15. Animals must also be DNA tested if 4-H'er wishes to exhibit at State Fair by the identification deadline.

**BREEDING BEEF** - Must be identified by ear tattoo prior to June 15. If offspring will be shown as a feeder calf, the cow/calf pair must be enrolled by June 15. Registration papers are required in the registered breeding heifer divisions.

**FEEDER CALF** - Must be identified with an official 4-H ear tag by June 15. Each member may exhibit two feeder calves. Feeder calf released after show. All calves must be born between January 1 and June 1 of the current year.

**BUCKET CALF** - Must be identified with a 4-H ear tag and identified by June 15.

FIRST YEAR: Bucket Calves are to be born between January 1 and June 1 of the current year.

RETURNING MARKET BUCKET CALVES: Bucket Calves are calves that were exhibited at the Butler County Fair during the previous year by the same exhibitor and qualify by virtue of the First Year Bucket Calf guidelines.

ENTRY LIMIT: An exhibitor is limited to exhibiting ONE FIRST YEAR and ONE RETURNING bucket calf per year.

NOTE: Final decision as to combining the classes will rest with the superintendent.

You may win Champion Bucket Calf in each division only once. You can compete in the bucket calf division as long as you meet the age requirements.

**GOATS** – Market and Breeding Goats must be ear tagged and identified by June 15. Market only must be DNA tested if 4-H'er wishes to exhibit at State Fair by the identification deadline.

**SHEEP** – Market and Breeding Sheep must be ear tagged and identified by June 15. Exhibitors in registered breeding classes must present proof of registration to the superintendent at the time of entry. Market only must be DNA tested if 4-H'er wishes to exhibit them at State Fair by the identification deadline.

**SWINE** - Must be ear-notched by June 15. Must be DNA tested if 4-H'er wishes to exhibit at State Fair by the identification deadline.

**POULTRY** – Poultry DO NOT need to be identified prior to county fair. The BROILER Class (birds are obtained through the Butler County Extension Office and exhibited as a pen of three (3) market broilers, shown at the Butler County Fair. Birds will be between 6-9 weeks old at the time of the fair. Please see the Poultry section for more information.

**HORSE** – Must be identified by June 1 on the proper ID sheet provided by the Extension Office for Butler County Fair.

**Only 4-H or FFA members may show livestock.** A member with more than one entry in a class must get some other exhibitor to show the other animal. Substitute showmen must be members of 4-H or an FFA chapter in Butler County. No parent is to be in the ring with their child unless called for by the superintendent in charge. ***Diseased animals will not be accepted.***

#### **CLOVER KID LIVESTOCK (4-H Policy Handbook)**

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

Encourage involvement of parent or significant adult.

- Focus on self-esteem and provide positive feedback.
- Foster the development of life skills that are essential for the cognitive, social, emotional and physical maturation of youth by providing a unique educational opportunity.
- Share through cooperative learning.
- Noncompetitive — emphasizing fun and success of every child.
- Programs are activity-focused and not project focused.
- Recognize individuals for participation.  
Present recognition and incentives without rank or placing

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

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

Young children may lack the strength, balance, and attention span to adequately manage large animals (American Medical Equestrian Association, 1993).

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

- Exhibition includes discussions with youth based on their knowledge of the care and raising of the animal.
- Exhibitors show in a non-competitive setting for participation only.
- Age, size, and temperament of animal projects must be appropriate for the exhibitor's age and size.
- Horse projects are not allowed or appropriate. Beef animals weighing more than 350 pounds at time of show are not allowed or appropriate for this age group either.
- Animals that are appropriate for this age group include bucket calf, sheep, swine, goat, dog, poultry, rabbit, cat, and companion animals.
- 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.
- Allowable animals should be no more than six months of age and no more than 350 pounds at time of show. Exhibitors in this age group are not allowed to sell their animal through a livestock sale or premium auction.

**HERDSMANSHIP  
Butler County Fair**

Livestock exhibitors at the Butler County Fair are expected to keep their quarters orderly, neat, and as attractive as possible. The total area will be inspected two or three times each day. Each club will be rated on its herdsmanship. Final herdsmanship placings for each club will be based on herdsmanship rating of all beef, sheep, swine, and horses exhibited at the Butler County Fair. Remember that parents should assist in herdsmanship only when absolutely necessary. Herdsmanship will be judged on Thursday, Friday, Saturday, and Sunday (morning only). The Herdsmanship Award will be presented on Sunday during the subsidy auction.

Herdsmanship will be judged on the basis of:

- |                                                                                                                                                                                                                           |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1. Stall Cards in Place. Ribbon stickers on after the show.                                                                                                                                                               | 10 pts.    |
| 2. Aisles clean and free of manure, straw, equipment, etc.; Wet straw & Manure placed in appropriate receptacle.                                                                                                          | 30 pts.    |
| 3. Animals well bedded, clean and properly cared for. Tack area neat.                                                                                                                                                     | 35 pts.    |
| 4. Exhibitors courteous at all times. Herdsmanship duties are the responsibility of the exhibitor – parents, leaders, or other family members should only be available to assist the younger 4-H members or to supervise. | 25 pts.    |
| <b>Total Points</b>                                                                                                                                                                                                       | <b>100</b> |

**ROUND ROBIN SHOWMANSHIP**

The grand champion senior showmen in Beef, Swine, Horse, Sheep, Goats, Rabbits and Poultry are eligible to compete for the round robin showmanship championship. An individual is eligible to show in only one species. If qualified in more than one, he/she must choose which one species to show. The reserve champion showman, if also a purple winner, is the only alternate. Winner will be eligible for future species showmanship contests, but not the round robin.

Exhibitors will bring their own animal to the contest; their entry signifies permission for the other champions to show that animal in this contest. Exhibitors will be judged on their knowledge of each species shown and the specific showmanship skills required as well as their presentation of each species. They will be judged on the appearance or fitting of their own animal only.

There is no premium money for this contest. The grand and reserve champions will receive a special award.

**BEEF CATTLE**

**MARKET STEERS AND HEIFERS** may have the two center temporary incisor teeth replaced by permanent incisors. The remaining six temporary incisors must be in place and there may be no evidence of eruption of any permanent incisors other than the centers. State Fair age grouping will be used for breeding animals. Each beef animal may be shown in one class only.

**BREEDING HEIFERS - Please note** that our Registered Breeding Heifer Show is **NOT** a Purebred Breeding Show. Any animal that is registered by a particular breed association and identified on the ownership affidavit as such can show in that particular class. Registration papers will be required at check-in. If registration papers are not presented, that animal will be shown in the commercial breeding class. Any breeding heifer that is registered to a breed association other than the classes listed below will be shown in the Other Registered Breeding Heifer class. Animals in the Other Registered Breeding Classes will be shown together.

**Classes:**

**Department G, Division 9 - Feeder Calf** (Project Record Form & interview required at judging). **Pay Category #1**

**FIRST YEAR BUCKET CALF**

G-9-001 Novice Showman-Bucket Calf Exhibitor ages 8 – 14 years old on Jan 1. NO prior experience exhibiting bucket calves.

G-9-002 Expert Showman-Bucket Calf Exhibitor ages 9 – 14 years old on Jan 1. Previously have exhibited a bucket Calf.

**RETURNING MARKET BUCKET CALF**

G-9-003 Exhibitor ages 9-15 years old on Jan 1. Animal was exhibited the previous year as a Bucket Calf.

**Department G, Division 9 - Feeder Calf**

**Pay Category #1**

G-9-004 Heifers

G-9-005 Steers

**Department G, Division 10 - Beef Showmanship**

**Pay Category #7**

G-10-011 Senior Showmanship (15 years +)

G-10-009 Junior Showmanship (8-11 years)

G-10-010 Intermediate Showmanship (12-14 years)

G-10-008 Clover Kid Showmanship (ages 5-7)

**Department G, Division 10 - Market Beef****Pay Category #1**

G-10-901	Market Steers	G-10-903	British Breed Steers
G-10-902	Market Heifers		

**Department G, Division 3 - Registered Breeding Heifers****Pay Category #1**

All breed classes will be split based on the following State Fair age groupings:

- Senior Yearling Heifers- Calved Aug- Dec 2020 (should be bred but not calved prior to show)
- Junior Yearling Heifers-Calved Jan. and Feb. 2021
- Spring Yearling Heifers-Calved Mar. and Apr. 2021
- Summer/Intermediate Summer or Intermediate Summer or Intermediate Summer/Intermediate Yearling Heifers-Calved May and June 2021
- Summer or Intermediate Yearling Heifers-Calved July and Aug. 2021
- Fall Heifer Calves-Calved Sept. and Oct. 2021
- Fall Heifer Calves-Calved Nov. and Dec. 2021

G-3-901	Angus	G-3-908	Shorthorn
G-3-902	Charolais	G-3-909	Simmental
G-3-903	Gelbvieh	G-3-910	Red Angus
G-3-904	Hereford	G-3-909	Commercial
G-3-905	Limousin	G-3-910	Other Registered Breeding Heifers
G-3-906	Maine Anjou		

**Department G, Division 10 - Cow/Calf Pairs****Pay Category #1**

All calves must be born during the current year. Cows/Calves must be halter broke and will show in the arena.

G-10-012	Cow/Calf Pair
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**SHEEP****Each exhibitor may show up to two breeding ewes and four market lambs.****All sheep must be shown before the judge by a 4-H or FFA member.****Sheep dropped during the current year are classified as lambs.****Sheep dropped during the previous year are classified as yearlings.****If registered, registration papers must be shown at check in.****Department G, Division 30-Sheep General****Pay Category #7**

G-30-011	Senior Showmanship (15 + years)	G-30-009	Junior Showmanship (8-11 years)
G-30-010	Intermediate Showmanship (12-14 years)	G-30-008	Clover Kid Showmanship (5-7 years)

**Department G, Division 30-Market Sheep****Pay Category #2**

G-30-001	Market Sheep by weight divisions (wethers and ewes will be split if numbers allow)
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**Department G, Division 32-Breeding Sheep****Pay Category #2**

G-30-020	Yearling Ewe	G-30-060	Hampshire Yearling	G-30-100	Other Registered Yearling
G-30-030	Breeding Ewe Lamb	G-30-070	Hampshire Ewe Lamb	G-30-110	Other Registered Ewe Lamb
G-30-040	Dorset Yearling	G-30-090	Suffolk Yearling		
G-30-050	Dorset Ewe Lamb	G-30-140	Suffolk Ewe Lamb		

**DEPARTMENT G, Division 58 - MARKET & BREEDING GOATS****GENERAL RULES:**

- **All General Livestock Rules will apply to all Goat Classes.**
- **NUMBER OF EXHIBITS** - A 4-H or FFA member may exhibit up to four (4) market goats and two (2) breeding goats.
- **IDENTIFICATION** - All meat goats need to be identified by June 15 on the official 4-H ownership affidavits (4HF111).
- **MINIMUM WEIGHT** - Market goats must weigh a minimum of 20 lbs. at check-in. Goats under 20 lbs. will be allowed to check-in, but will not be eligible for purple ribbons.
- **AGE** - Goats are to have milk teeth and there shall be no evidence of breaking of the skin or eruption of the two permanent front teeth.
- **HAIR** - Goats must be uniformly slick shorn with 3/8 inch of hair or less from the knee and up.
- **HORNS** - Goats must have horns blunted. Dehorning is acceptable and preferred.
- **NECK CHAINS** - Goats are to be shown with neck chains or smooth collars only.
- **SHOW CLASS AND SEX** - Meat goats may be doe or wether kids. Short scrotum, cryptorchid and buck kids are NOT eligible. All market goats will be weighed and divided into classes based on total numbers and weight range. Market does and market wethers will show together. Breeding Goats will check in at designated time and be grouped to show based on total numbers and ages of entries.
- **SHOWMANSHIP** - Exhibitors will not slap or brace the animal or lift the front legs off the ground while in the show ring.

**Department G, Division 58 – Showmanship & Meat Class**

G-58-009 Senior Showmanship (ages 15 & up)  
 G-58-008 Intermediate Showmanship (ages 12-14)

G-58-007 Junior Showmanship (ages 8-11)  
 G-58-006 Clover Kid Showmanship (5-7 years)

**Pay Category #7**

G-58-010 Market Goats (wethers and does)  
 G-58-030 Yearling Does

G-58-040 Doe Kids

**Pay Category #2****SWINE**

- Swine exhibited at the Butler County Fair shall originate directly from a herd not under quarantine for pseudorabies. Under no circumstances may swine under quarantine be exhibited. No swine showing signs of infectious, contagious, and/or communicable diseases will be allowed to show. All swine must enter the fairgrounds through the west gate. Enter up to four animals.
- **MINIMUM WEIGHT 210 lbs. on all hogs.**
- This is a terminal **OPTIONAL** show. Exhibitors will declare their plans for their hogs (selling or taking home) during fair weigh in or by 10 am on Thursday July 15<sup>th</sup>.
  - If you **DO NOT** tell us by 10 am on Thursday July 15<sup>th</sup>, your hog(s) will be sent to market.
  - You may choose to take home or market any combination of the hogs you bring to the fair.
- Any pigs farrowed on or after Jan. 1 of the current year are eligible to show.
- All pigs must be shown by a 4-H or FFA member, if an exhibitor has more than one animal in a class he or she must find an alternate showman.
- Ear-notch all hogs according to the Universal System in both ears and file identification papers in the Extension Office by June 15. All notches must be legible. No freshly ear-notched pigs will be accepted.

**Department G, Division 35 – Swine General**

G-35-009 Senior Showmanship (15+ years)  
 G-35-008 Intermediate Showmanship (12-14 years)

G-35-007 Junior Showmanship (8-11 years)  
 G-35-006 Clover Kid Showmanship (5-8 years)

**Pay Category #7**

G-35-010 Gilts

G-35-011 Barrows

**Pay Category #2****HORSE****General Livestock Rules do not apply to horse exhibitors.**

State rules will be followed. However, all final decisions will be made by the 4-H Youth Development Extension Educator and Horse Superintendent. See Guide for Light Horse Shows and Events in Nebraska.

Enter as many classes as desired. Except: Junior Walk-Trot riders may enter only one pleasure and one horsemanship class. Other pleasure and horsemanship riders may ride in two of each class.

Substitute showmen will only be allowed in the mare and foal class and/or if the exhibitor has 2 purples showing in the grand champion mare or gelding class.

**All entries, except showman, are paid premiums.**

Exhibitor may enter only one animal per class.

Two family members cannot ride the same horse in the same class and age group.

Champion Mare selected from Fillie and Mare classes. Top 2 purples per class. Champion Gelding selected from Colt, Stud and Gelding classes. Top 2 purples per class.

NO chaps allowed (including associate member classes). Exhibitors must wear boots or hard-soled shoes. NO t-shirts allowed.

Open classes for pre-4-H age will be run prior to the start of the 4-H Horse Show. These classes are listed in the Butler County Fair Open Class Fairbook. Show will begin promptly at 8:00 a.m.

***In case of inclement weather, the horse show will be DELAYED or RESCHEDULED. The show will not be moved to a different location.***

**Department G, Division 60, Horse Showmanship**

G-60-009 Senior Showmanship (ages 15 and up)  
 G-60-010 Intermediate Showmanship (ages 12 -14)

G-60-011 Junior Showmanship (ages 8-11)

**Pay Category #7****Department G, Division 61, Halter**

G-61-001 Yearling Fillies  
 G-61-002 Two Year Old Mares  
 G-61-003 Three Year Old Mares  
 G-61-004 Four Years and Older Mares  
 G-61-005 Yearling Geldings and Stud Colts  
 G-61-010 Mare and foal (Mare with one foal to be shown. Foal must have been foaled in the calendar year of the show.)

G-61-006 Two Year Old Geldings  
 G-61-007 Three Year Old Geldings  
 G-61-008 Four Years and Older Geldings  
 G-61-009 Weanling Fillies and Weanling Colts

**Pay Category #8**

**Ages for Pleasure, Horsemanship, Reining and Games: Junior-14 years and below, Senior-15 years and above.**

**Western Pleasure/Western Horsemanship**

G-62-005 Walk Trot Pleasure - 8 to 11 Year Olds  
 G-62-006 Walk Trot Horsemanship - 8 to 11 Year Olds  
 G-62-007 Pony Pleasure (14 hands & under) - Jr. Division

G-62-008 Western Pleasure (14 hands & over) - Jr. Division  
 G-62-009 Western Horsemanship - Jr. Division  
 G-62-010 Western Pleasure (14 hands & over) - Sr. Division

**Reining**

G-62-014 Reining - Jr. Division

G-62-015 Reining - Sr. Division

**Games**

G-62-016 Keyhole Race - Jr. Division

G-62-020 Flag Race - Jr. Division

G-62-024 Egg Race - Jr. Division

G-62-017 Keyhole Race - Sr. Division

G-62-021 Flag Race - Sr. Division

G-62-025 Egg Race - Sr. Division

G-62-018 Pole Bending - Jr. Division

G-62-022 Barrels - Jr. Division

G-62-019 Pole Bending - Sr. Division

G-62-023 Barrels - Sr. Division

**POULTRY**

The Nebraska Health Department will be checking poultry for Pullorum-Typhoid. Any infected bird will be removed.

Critique judging of poultry will begin at approximately 3:30 p.m. on Thursday July 19. Exhibitors must be present at the judging area. *If not present*, animals will not be judged.

Exhibitors showing poultry are required to wear the official 4-H T-shirt or blouse with a 4-H chevron with blue jeans. NO HEADGEAR.

Entries limited to 8 per exhibitor.

**Quality Assurance Training** - All 4-H poultry exhibitors are required to receive Quality Assurance training or testing prior to the fair.

**PEN of BROILERS**-pen of three (3) market broilers with a combined weight of 12-21 lbs. Birds will be between 6-9 weeks old at the time of the fair.

**TRIO**--A trio of exhibition birds shall consist of one male and two females. Birds entered singly are not eligible to be judged as part of a trio. Birds entered in a trio are not eligible to be judged in individual competition.

**Department G, Division 70-Poultry**

G-70-027 Senior Showmanship (15+ years)

G-70-025 Junior Showmanship (8-11 years)

G-70-026 Intermediate Showmanship (12-14 years)

G-70-024 Clover Kid Showmanship (5-7 years)

**Pay Category #7****Pay Category #4**

G-70-900 Young Cock Pigeon

G-70-902 Young Cock Guinea

G-70-901 Young Hen Pigeon

G-70-903 Young Hen Guinea

**Division 70-Poultry Breed Entries**

G-70-002 American (Plymouth Rock, Jersey Giant, Wyandotte, New Hampshire Red, Rhode Island Red)

G-70-003 Asiatic (Cochin, Brahma, Langshan)

G-70-004 English (Cornish, Orpington, Australorps, Sussex, Dorkings)

G-70-005 Mediterranean (Leghorn, Buttercup, Minorca)

G-70-006 Continental (Polish, Hamburg, Campines, Faverolles, Houdan)

G-70-007 All other breeds (Naked Neck, Game, Sumatra, Araucanas, Ameracanas)

G-70-008 Game Bantam (Modern and Old English)

G-70-009 Single Comb Clean Legged Bantam (Plymouth Rock, Leghorn, Japanese, Rhode Island Red, Orpington, New Hampshire)

G-70-010 Rose Comb Clean Legged Bantam (Rosecomb, Wyandotte, Sebright, Leghorn, Belgian Bearded D'Anver)

G-70-011 All other Comb Clean Legged Bantam (Polish, Cornish, Houdan, Sumatra)

G-70-012 Feather Legged Bantam (Silkie, Cochin, Brahma, Belgian Bearded D'Uccle, Langshan)

G-70-013 Heavy Duck (Pekin, Rouen, Aylesbury, Muscovy)

G-70-014 Medium Duck (Swedish, Buff, Crested, Cayuga)

G-70-015 Light Duck (Runner, Khaki, Campbell, Magpie)

G-70-016 Bantam Ducks (Call, Mallard, East Indie, Wood Ducks and Mandarins)

G-70-017 Geese (All weight classes)

G-70-018 Turkeys

G-70-030 Pen of Broilers (3 Birds)

G-70-019 Egg Production Trios

G-70-020 One dozen white eggs

G-70-021 One dozen brown eggs

G-70-022 One dozen other colored eggs

## RABBIT

**PLEASE NOTICE -- Rabbit entries must be cared for by owners or arrangements made for daily care. If exhibitor neglects the care of the animal they shall be asked to take them home and forfeit their premium.**

Exhibitors showing rabbits are required to wear the official 4-H T-shirt or blouse with a 4-H chevron and blue jeans. No more than five rabbits may be entered by one exhibitor.

**Quality Assurance Training** - All 4-H rabbit exhibitors are required to receive Quality Assurance training or testing prior to the fair.

CHAMPIONS -- Ribbons only.

### Department, G Division 80-Rabbit

				Pay Category #7	
G-80-069	Clover Kid Showmanship (5-7 years)	G-80-071	Intermediate Showmanship (10-13 years)		
G-80-070	Junior Showmanship (8-9 years)	G-80-072	Senior Showmanship (14-18 years)		

				Pay Category #4	
G-80-901	Posters	G-80-903	Tattoo Boxes	G-80-905	Rabbit First Aid Kit
G-80-902	Nest Boxes	G-80-904	Carriers		

### Fancy Breed Rabbit

A. Fancy breed rabbits will be divided into the following age divisions:

- a. Junior – Six months old and younger    b. Senior – Over six months old

NOTE: A Fancy Breed Rabbit that is exactly six months old on show day will be shown as a Junior Division rabbit. A Fancy Breed rabbit that is six months plus one day old on show day will be shown as a Senior Division Rabbit.

B. Age will be the age of the rabbit on show date.

C. Division breakdown will be by the age of the rabbit and not by the weight of the rabbit.

G-080-005	American Fuzzy Lop	G-080-015	Harlequin	G-080-025	Polish
G-080-006	American Sable	G-080-016	Havana	G-080-026	Rex
G-080-007	Belgian Hare	G-080-017	Himalayan	G-080-027	Rhineland
G-080-008	Britannia Petite	G-080-018	Jersey Woolie	G-080-028	Satin Angora
G-080-009	Dutch	G-080-019	Lilac	G-080-029	Silver
G-080-010	Dwarf Hotot	G-080-020	Holland Lop	G-080-030	Silver Marten
G-080-011	English Angora	G-080-021	Mini Lop	G-080-031	Standard Chinchilla
G-080-012	English Spot	G-080-022	Mini Rex	G-080-032	Tan
G-080-013	Florida White	G-080-023	Mini Satin	G-080-033	Thrianta
G-080-014	French Angora	G-080-024	Netherland Dwarf	G-080-034	Lionhead

### Commercial Breed Rabbit

A. Commercial breed rabbits will be divided into the following three age divisions:

1. Junior – Six months old and younger
2. Intermediate – Six months old to eight months old
3. Senior – Over eight months old

NOTE: A Commercial Breed Rabbit that is exactly six months old on show day will be shown as a Junior Division rabbit. A Commercial Breed Rabbit that is six months plus one day old on show day to eight months old will be shown as an Intermediate Division Rabbit. A Commercial Breed Rabbit that is exactly eight months old on show day will be shown as an Intermediate Division Rabbit. A Commercial Breed Rabbit that is eight months plus one day old on show day will be shown as a Senior Division Rabbit.

B. Age will be the age of the rabbit on show date.

C. Division breakdown will be by the age of the rabbit and not by the weight of the rabbit.

G-080-050	American	G-080-056	Checkered Giant	G-080-062	Giant Angora
G-080-051	American Chinchilla	G-080-057	Cinnamon	G-080-063	Giant Chinchilla
G-080-052	Beveren	G-080-058	Crème D'Argent	G-080-064	New Zealand
G-080-053	Blanc d Hotot	G-080-059	English Lop	G-080-065	Palomino
G-080-054	Californian	G-080-060	Flemish Giant	G-080-066	Satin
G-080-055	Champagne D'Argent	G-080-061	French Lop	G-080-067	Silver Fox

### Division 80-Market Rabbits

		Pay Category #4	
G-80-002	Single Fryer – Not over 10 weeks of age. Minimum weight of 3 pounds. Maximum weight of 5 pounds.	G-80-004	Roaster – Must be under 6 months of age. Minimum weight over 8 pounds.
G-80-003	Meat Pen – Ag limit 10 weeks. Minimum weight 3 pounds each. Maximum weight 5 pounds each.		

### Companion Animals

**Please Notice** - Exhibitors showing small animals or pets are required to wear the official 4-H t-shirt or blouse with a 4-H chevron, and long blue jeans. **No flip flops or sandals are allowed.** All small animals/pets need to have appropriate health papers showing current vaccinations and health status. Animals without these papers cannot be shown. Any animal showing signs of sickness, disease, or parasite infestation will be eliminated from the show and must be removed from the fairgrounds.

All animals must be weaned prior to show. Minimum age of animals to be shown:

**Ferrets:** 12 weeks  
**Chinchillas:** 7 weeks

**Guinea pigs:** 4 weeks  
**Gerbils, hamsters, mice, rats:** 4 weeks

**Hedge hogs:** 5 weeks  
**Rabbit:** 9 week

**Cats:** Cats should be free of fleas, ticks, ear mites, ring-worm, any internal and external parasite and infectious disease. If any signs of these external parasites are presented, exhibitors will be asked to leave without being allowed in the show area. It is highly recommended that a veterinary check is performed or preventative measures are taken prior to the show to ensure the animal is free of external parasites. ALL DECISIONS OF SHOW OFFICIALS ARE FINAL. If a cat shows the possibility of being contagious, it will be considered a danger to the other cats in the show and will not be allowed to show. Cats that pose a danger to others will not be allowed to enter.

Cats are required to be current on their vaccinations of Rabies, distemper, panleucopenia, rhino tracheitis, calici virus. Cats must either have a current feline leukemia vaccination or proof of a negative test within 180 days of the show. Proof of vaccinations must be available at entry time. Participants should have their veterinarian fill out and sign the "Nebraska State Fair Cat Vaccination Record Form." Exhibitors will not be allowed to show without a signed Vaccination record form.

4-H'ers vaccinating their own cats must provide proof by including a statement from their vet on the Vaccination Record Form or by including the vaccination labels on the form and having it signed by a parent. A rabies vaccination is federally mandated to be given by a Certified Veterinarian ONLY. This vaccination must be current and include a veterinarian signature on the Vaccination Record Form.

**Ferrets:** Ferrets must be vaccinated for rabies and have a completed health form signed by a veterinarian submitted at show time.

**Dogs:** - All dogs must be immunized for distemper, hepatitis, parvo and rabies. The Nebraska State Fair Dog Vaccination Record Form must be filled out and signed by a veterinarian and brought to the fair on day of show.

**Classes:**

**Division 100-Companion Animals**

G-100-015 Senior Showmanship (15 + years)	G-100-025 Junior Showmanship (8-11 years)	<b>Pay Category #7</b>
G-100-020 Intermediate Showmanship (12-14 years)	G-100-030 Clover Kid Showmanship (5-7 years)	
		<b>Pay Category #4</b>
G-100-001 Cat	G-100-006 Gerbil	G-100-011 Dog
G-100-002 Rabbit	G-100-007 Hamster	G-100-0012 Poster
G-100-003 Ferret	G-100-008 Mouse	G-100-0013 Other
G-100-004 Chinchilla	G-100-009 Rat	
G-100-005 Guinea Pig	G-100-010 Hedgehog	

**Educational Display for Animal Entries**

**Pay Category #3**

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 as a way to increase the educational experiences of both the 4-H member and the general 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. In order 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

- A. State Fair Eligible Entries are limited to those that reference species that stall on the fairgrounds during the Nebraska State Fair. Species include dairy, beef, sheep, swine, goat, poultry and rabbit. (Horse, small animal and dog posters are judged for County display only..
- B. State Fair selected entries will be registered by county office staff and entered during the static entry day at the Nebraska State Fair.
- C. Posters will be judged on static entry day of the State Fair when other static exhibits are judged.
- D. Posters will be displayed in the respective barns based on the focus of the exhibit. Educational display superintendents will display posters and they will be in place throughout the weekend of their respective exhibition at the Nebraska State Fair.
- E. Poster display should be sturdy enough to last through the fair and no larger than 22 x 28 inches. Only standard poster board will be accepted. Foam Board or cardboard posters are discouraged. NOTE: Please take into consideration that these exhibits will be displayed inside the barns and may not be returned to the exhibitor in the original condition at the time of entry.
- G. All entries must match the specie of livestock they have entered at EITHER the county fair OR in the Nebraska State Fair. For example, if a 4-H'er is exhibiting beef, their entry must be about beef and not another species. Also a 4-H'er is NOT required to exhibit their livestock/animal entry at the State Fair. The entry just needs to match the species that was exhibited at the county level.
- H. Posters will be judged. Refer to scoresheet for this exhibit.

G-090-100 **Educational Display:** Includes beef, sheep, swine, goat, poultry and rabbit. Poster will be on display at the Butler County Event Center, during Butler County Fair. State Fair Eligible.

G-090-101 **Educational Display County Only:** Includes horse, small animal and dog posters. Poster will be on display at the Butler County Event Center, during Butler County Fair.

**DEPARTMENT H - SCIENCE ENGINEERING, TECHNOLOGY, ENTOMOLOGY**

**General Information for All Exhibits in Department H (unless otherwise stated)**

1. The name and county of each exhibitor should appear separately on the back of each board, poster or articles, and on the front cover of the notebooks so owner of exhibit may be identified if the entry tag is separated from the exhibit.
2. Rockets must be supported substantially to protect the rocket from breakage. Rockets are to be mounted on a base that has dimensions equal or less than 12" x 12" and the base should be 3/4" thick. No metal bases. If the rocket fins extend beyond the edges of the required base (12" x 12"), then construct a base that is large enough to protect the fins. The base size is dictated by the size of the rocket fins.
- 3 The rockets must be mounted vertically. Please do not attach sideboards or backdrops to the displays. In addition, a used engine or length of dowel pin is to be glued and/or screwed into the board and extended up into the rockets engine mount to give added stability.



4. Rockets must be equipped as prepared for launching, with wadding and parachute or other recovery system. Rockets entered with live engines, wrong base size or sideboards will be disqualified.
5. A report, protected in a clear plastic cover, must include: 1) rocket specification (include original or photo of manufacture packaging stating rocket skill level), 2) a flight record for each launching (weather, distance, flight height), 3) number of launchings, 4) flight pictures 5) Safety (how did you choose your launch site? Document safe launch, preparations, and precautions) 6 objectives learned and 7) conclusions.
6. The flight record should describe engine used, what the rocket did in flight and recovery success. Points will not be deducted for launching, flight or recovery failures described. This includes any damage that may show on the rocket. Complete factory assembled rockets will not be accepted at the State Fair.
7. Judging is based upon display appearance, rocket appearance, workmanship, design or capabilities for flight, number of times launched and report. Three launches are required to earn the maximum launch points given on the score sheets. For scoring for the State Fair, only actual launches count, misfires will not count towards one of the required three launches.
  - For self-designed rockets only, please include digital recorded copy of one flight. In the documentation please include a description of stability testing before the rocket was flown.
  - Skill level of project is not determined by number of years in project. Skill level is determined by the level listed on the manufacturing packaging.
  - 4-H Rocket project levels are not intended to correspond to National Association of Rocketry model rocket difficulty ratings or levels.
8. **High power rockets (HPR) is similar to model rocketry with differences that include the propulsion power and weight increase of the model. They use motors in ranges over "G" power and/or weigh more than laws and regulations allow for unrestricted model rockets. These rockets are NOT appropriate for 4-H projects and will be disqualified.**
9. Posters can be any size up to 28" by 22" when ready for display. Example: tri fold poster boards are not 28" by 22" when fully open for display.

#### Department H, Division 850 -SET Aerospace – Rockets & Drones

Pay Category #4

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

- H-850-001 **Rocket:** Any Skill Level Rocket with wooden fins painted by hand or air brush. SF92.
- H-850-002 **Aerospace Display:** Poser 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 rockets 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".SF93.
- H-850-003 **Rocket:** Any Skill Level Rocket with wooden fins and cardboard body tubes painted using commercial application example commercial spray paint.SF92.
- H-850-004 **Self-Designed Rocket:** Self-designed rocket with wooden fins and wooden fins and cardboard body tubes.SF92
- H-850-005 **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".
- H-850-006 **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, drones used for structural engineering. Video should not exceed 5 minutes. Videos should be submitted on a flashdrive for judging.
- \*H-850-900 **Diamond Kite** - include a picture of the kite in flight, and a description of the flight.
- \*H-850-901 **Educational Display** - exhibit could be a poster, scrapbook, notebook or three-dimensional display on a topic related to aerospace such as: four forces of flight, types of aircraft, weather and flight, parts of a hot air balloon, or parts of an airplane.

#### Department H, Division 851-ATV

Pay Category #4

- \*H-851-001 **Safety Poster**- six photos of yourself demonstrating safety measure necessary for ATV operation.
- \*H-851-002 **Demonstration Display**- show some part or system of an ATV, worn or broken part, step-by-step repair procedure, etc. Include a brief description. Display on a board 24" high x 32" wide and 1/4" thick.
- \*H-851-003 **You Be the Teacher**- Educational notebook, display, collection of materials that relate to project. Include 8 ½ x 11" page describing exhibit and summary of learning.

#### Department H, Division 895-4 Wheelin'

Pay Category #4

- H-895-001 **Poster** – Poster should exemplify one of the lessons learned in the 4-Wheelin' project. Posters can be any size up to 28" x 22".
- \*H-895-002 **Complete 4 Wheelin' project book.**

#### Department H-Division 860 – SET Computers

Pay Category #4

##### Computer Mysteries-Unit 1

- \*H-860-900 **Greeting Card** made on Computer
- \*H-860-901 **Sign** - 8 ½" x 11" paper, mounted on poster board
- \*H-860-902 **Story** - type a story using a word processing program
- \*H-860-903 **Other** - business card, letterhead, etc. created on computer

##### Computer Mysteries - Unit 2

Pay Category #4

- H-860-001 **Computer Application Notebook** – 4-H exhibitor should use computer application to create a graphic notebook utilizing computer technology. 4-H'er may create any of the following: greeting card (5 different cards may include birthday, wedding, anniversary, sympathy get well, 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 consist of a notebook

(8.5x11 inches) which should include a (1) a detailed report describing: (a) the task to be completed, (b) the computer application software necessary for completing the task (2) print out of your project. Project may be in color or black and white.

H-860-002 **Produce a Computer Slideshow Presentation** – Using presentation software. A notebook with a printout of all slides should be submitted. The slideshow should include a minimum of 10 slides and no more than 25. Incorporate appropriate slide layouts, graphics, animations, and audio (music or voice and transition sounds do not count). Each slide should include notes for a presenter. The exhibit is saved to a CD or flashdrive for judging. SF276.

### Computer Mysteries - Unit 3

### Pay Category #4

H-860-003 **Produce an Audio/video Computer Presentation** – Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth. The presentation should be at least 2 minutes in length and no more than 5 minutes in length, appropriate graphics, sound and either a video clip, animation or voice over and/or original video clip. The presentation must be able to be played and viewed on a PC using Windows Media Player, Real Player, iTunes or QuickTime Player. SF276.

H-860-004 **How to STEM (Science, Technology, Engineering and Math)** – 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. Videos should be designed for web viewing. Any of the following formats will be accepted: .mpeg, .rm, .wmv, .mp4, .ov, .ppt, or .avi. SF276.

H-860-005 **Create a Web Site/Blog or App** – Design a simple Web site for providing information about a topic related to youth using either software programs such as an HTML editor like Microsoft’s FrontPage or Macromedia’s Dreamweaver, and image editor like IrfanView or GIMP or online using a WIKI such as Google Sites. If the Web site isn’t live include all files comprising the Web site on a CD-ROM in a plastic case along with the explanation of why the site was created. If developed using a WIKI or other online tool include a link to the website in the explanation of why the site was created. SF275.

H-860-006 **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:

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

H-860-008 **Digital Fabrication** – This project is a computer generated projected created using a laser cutter, vinyl cutter, heat press or CNC router. Vector or 3D based software such as coral draw or Fusion 360 would be an example of an appropriate software used to create your finished project. Project should include a notebook with the following: 1) What motivated you to create this project; 2) Software and equipment used; 3) Directions and how to create the project; 4) Prototype of plans; 5) Cost of creating the project; 6) Iterations or modifications made to original plans; 7) Changes you would make if you remade the project. SF1051

### Department H, Division 861 - SET Robotics

### Pay Category #4

Youth enrolled in Robotics Explorer, Robotics Probe or GEAR TECH 21 may exhibit in any class within this division.

H-861-001 **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. (SF236)

H-861-002 **Robotics Notebook**-Explore a robotics topic in-depth and present your findings in a notebook. Documentation should include any designs, research, notes, pseudocode, data tables or other evidence of the 4-H’ers learning experience. The notebook should contain at least three pages. Topics could include a programming challenge, a programming skill, calibration, sensor exploration, or any of the topics suggested in Class 1. (SF237)

H-861-003 **Robotics Video** – This class should be displayed in a notebook. The notebook should include a video clip on a CD/DVD that demonstrates the robot performing the programmed function. Include your pseudo code and screenshots of the actual code with a written description of the icon/command functions.

H-861-004 **Robotics /Careers Interview** (SF239)-Interview someone who is working in the field of robotics and research the career in robotics. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1” margins. Multimedia reports should be between 3 to 5 minutes in length. (SF239)

H-861-005 **Robotics Sensor Notebook** (SF241)-Write pseudo code which includes at least one sensor activity. Include the code written and explain the code function. (SF241)

H-861-007 **Kit Labeled Robot (cannot be 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.. (SF243)

- H-861-008 **3D Printed Robotics Parts** (SF 244)-This class is intended for youth to create parts, through 3D printing, to help create their robot or aid the robot in completing a coded function. 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.

**Department H, Division 870 –SET Electricity**

**Pay Category #4**

**Magic of Electricity - Unit 1**

- \*H-870-900 **Flashlight:** Made to specifications in Magic of Electricity manual.
- \*H-870-901 **Switch:** Made to specifications in Magic of Electricity manual.
- \*H-870-902 **Circuit:** 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. Make a table that shows the results of finding five items that are conductors and five items that are insulators.
- \*H-870-903 **Parallel or Series Circuit:** Using a D cell battery, battery holder, insulated wire, bulb holder and a 2 or 2.5 volt light bulb construct a parallel or series circuit.

**Investigating Electricity - Unit 2**

- \*H-870-906 **Switching Circuit:** Made to specifications in Investigating Electricity manual.
- \*H-870-907 **Short Essay or Poster** illustrating how three way switches function.
- \*H-870-908 **Rocket Launcher:** Made to specifications in Investigating Electricity manual.
- \*H-870-909 **Poster** showing step by step process of building rocket launcher.
- \*H-870-910 **Alarm:** Made to specifications in Investigating Electricity manual.
- \*H-870-911 **Poster** showing step by step process of building an alarm.

**Electricity Wired for Power - Unit 3**

- H-870-001 **Electrical Tool/Supply Kit** - Create an electrical supply kit to be used for basic electrical repair around the house. Include a brief description of each item and its use. Container should be appropriate to hold items. SF224.
- H-870-002 **Lighting Comparison** - Display studying the efficiency of various lighting (incandescent, fluorescent, halogen, Light Emitting Diodes, etc.). Exhibit could be a poster display, or an actual item. SF225.
- H-870-003 **Electrical Display/Item** - Show an application of one of the concepts learned in the Wired for Power project. Examples include: re-wiring or building a lamp, re-wiring or making a heavy duty extension cord or developing an electrical diagram of a house. Exhibit could be a poster display, or an actual item. SF226.
- H-870-004 **Poster** - Poster should exemplify one of the lessons learned in the Wired for Power Project. Posters can be any size up to 28" by 22". SF227.

**Electronics - Unit 4**

- H-870-005 **Electrical/Electronic Part Identification** - Display different parts used for electrical/electronics work. Exhibit should show the part (either picture or actual item) and give a brief description, including symbol of each part and its function. Display should include a minimum of 10 different parts. SF228.
- H-870-006 **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 the Electronic manual). SF229.
- H-870-007 **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 volt meter. SF230.
- H-870-008 **Poster** - Poster should exemplify one of the lessons learned in the Entering Electronics Project. Posters can be any size up to 28" by 22". SF231.

**Division H, Division 880 – SET Geospatial**

**Pay Category #4**

Youth enrolled in Geospatial may exhibit in any class within this division.

- H-880-001 **Poster:** Create a poster (not to exceed 14" x 22") communicating a GPS theme such as How GPS or GIS works, Careers that use GPS or GIS, How to use GPS, What is GIS, GPS or GIS in Agriculture, Precision Agriculture, or a geospatial topic of interest. SF299
- H-880-002 **4-H Favorite Places or Historical Site Poster:** The 4-H exhibitor identifies a favorite place or historical site (including grave sites) in Nebraska. Exhibit should include latitude and longitude, digital picture, and local area map. Poster size should not exceed 14" X 22". SF299
- H-880-003 **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. SF300
- H-880-004 **Geocache** - Assemble a themed geocache. Each geocache should be a water-tight container. It should include a logbook and pencil for finders to log their visits and may include small trinket, geocoins, etc. for the finders to trade. Documentation should include a title, teaser description and the geographic coordinates of intended placement. **Register the site at geocaching.com, include a print-out of its registry.** The entry may include a photograph of the cache in its intended hiding place. SF301
- H-880-005 **Agriculture Precision Mapping** – 4-H'ers 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 where applications can be purchased is acceptable). A report of how the analysis of the various data will be used to make a management decision. SF302
- H-880-006 **4-H History Map** – Nominate a Point of Interest for the 4-H History Map. Include copy of submitted form in folder or notebook. To nominate a site for the 4-H history map please go to <http://arcg.is/1bvGogV>. For more information about 4-H history go to: [http://www.4-hhistorypreservation.com/History\\_Map](http://www.4-hhistorypreservation.com/History_Map). For a step by step video on nominating a point, please go to this link:

<http://tinyurl.com/nominate4h>. Write a brief description of the historical significance of 4-H place or person. (a minimum of one paragraph)

- H-880-007 **GIS Thematic Map** - Using any GIS software, create a thematic. Thematic maps can utilize any subject of interest to the 4-H'er. Example map would be Amelia Earhart's or Sir Francis Drake's voyage population density maps, water usage maps or 4-H project in Nebraska. Create GIS Map using data from books, and or internet. Use reliable data, (U.S. Center or U.S. Census Bureau etc.) Map any size from 8.5" x 11" up to 36" x 24", should include Title, Base Map, Neat Line, North Arrow, and Legend. Identify the source of your information on the back of map. SF302

#### Department H, Division 890 - Small Engines

Pay Category #3

##### Crank it Up - Unit 1

- \*H-890-900 **Small Engine Display/Item**: Show an application or one of the concepts learned in the Crank It Up project. Examples include: comparison and/or identification of hand tools used to maintain/fix small engines, spark plug maintenance, importance of air filters, function of oil, classifying sources of power and safety.

##### Warm it Up - Unit 2

- \*H-890-901 **Small Engine Display/Item**: Show an application of one of the concepts learned in the Warm It Up project. Examples include: comparison of engine oil types, transmissions, or safety related to engines. Exhibit could be a poster display, or an actual item. SF222.

##### Tune it Up - Unit 3

- \*H-890-902 **Engine Display/Item**: Display/Item should exemplify one of the lessons learned in the Tune It Up Project. Examples include: diagnostic tools, fuel systems, ignition systems. If a complete engine is exhibited it will not be started. However, display needs to report process of building/rebuilding engine and how/where engine will be utilized (i.e. lawn mower, weed eater, snow blower, etc.). SF222.

#### Department H, Division 900 – SET Energy

Pay Category #3

- H-900-001 **Create and Compare Energy Resources Poster** – Poster should explore two alternative/renewable energy resources. Compare and contrast the two 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" x 22". SF307
- H-900-002 **Experiment Workbook**– Notebook will explore the scientific method involving alternative/renewable energy sources. Information required. 1) Hypothesis. 2) Research. 3) Experiment. 4) Measurement. 5) Report or Redefine Hypothesis. SF305
- H-900-003 **Solar as Energy Display** – Item should be the original design of the 4-H'er. 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. SF308
- H-900-004 **Water as Energy Display** – Item should be the original design of the 4-H'er. 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. SF3089
- H-900-005 **Wind as Energy Display** – Item should be the original design of the 4-H'er. Include the item, or a picture if item is in excess of 6' tall or 2' x 2'. Include a notebook of why the item was designed and how it harnesses the power of wind. (SF308)
- H-900-006 **Other Nebraska Alternative Energy** –Notebook should explore Nebraska an alternative energy source besides wind, water, and solar power. Include information on type of power chosen, infrastructure for distribution, what resources are needed to create this alternative resource, cost of production, and potential uses of bio-products. SF306

Resources:

<https://4-h.org/parents/national-youth-science-day/wired-for-wind/>

<https://4-h.org/parents/national-youth-science-day/biofuel-blast/>

#### Department H, Division 911 – SET Woodworking

Pay Category #3

The ability to build objects as designed by another person is an important life skill. Professional woodworkers often are hired to build objects to exacting specifications as laid out in a written plan.

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of the exhibit may be identified if the entry tag is separated from the exhibit.

2. **Requirements:** All articles exhibited must include a plan (with drawings or sketch or blueprints) stating dimensions and other critical instructions a builder would need to know how to build the project. Plans may include narrative instructions in addition to the dimension drawings and include any alternations to the original plan. Part of the score depends on how well the project matches the plans. If the plans are modified, the changes from the original need to be noted on the plans. All plans used for making the article must be securely attached and protected by a clear plastic cover.

3. 4-H'ers must be in Unit 3 or Unit 4 for the exhibit to be considered for State Fair. All projects must have appropriate finish.

4. If the project (i.e. picnic tables, wishing wells, swings, chairs, bridges, doghouses, etc.) is designed to be used outside, it will be displayed outside.

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

**Classes:** (SF91 for all classes)

##### Measuring Up - Unit 1

- \*H-911-900 **Article Made With Hand Tools (Manual)**: Select from these Level 1 manual items: flower box, napkin or letter holder or frame.

- \*H-911-901 **Article Made With Hand Tools (Not in Manual)**: Item comparable to those in Level 1 manual, but not listed in class 900.

##### Making the Cut - Unit 2

- \*H-911-902 **Article In Level 2 Manual or Comparable item**: Item using power hand tools, electric jig saw, power drill and/or oscillating sander.

- \*H-911-903 **Comparable Article**: Item fitting criteria similar to those in Level 2 Woodworking manual.

### Nailing It Together Unit 3

- H-911-001 **Woodworking Article:** Using skills learned in the Nailing it Together manual. Examples include: bookcase, coffee table or end table. Item should be made using either joints, hinges, dowels, or a dado joining.
- H-911-003 **Recycled Woodworking Display:** Recycled Woodworking Display (SF91) – 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 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. Evaluate (How does your item solve the original need?)
  6. Present results (How would you do this better next time?)
- H-911-004 **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. SF96
- H-911-005 **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. SF97

### Finishing Up Unit 4

- H-911-006 **Woodworking Article (SF91)** Item made using skills learned in the Finishing It Up Project. Examples include: dovetailing, making a pen using lathe, overlays, using a router, etc. Item is required to be appropriately finished.
- H-911-008 **Recycled Woodworking Display (SF91)** Article made from recycled, reclaimed or composite wood. Article must be appropriately finished and/or sealed and utilize one or more woodworking techniques from page 2 of the Unit 4 manual. Exhibit must include the woodworking plan and a minimum one-page report of how the design and engineering process was used to develop the woodworking plan. 1. State the problem (Why did you need this item?) 2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?) 3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?) 4. Reason for article finish (What type of finish, how did you finish or why you choose this finish?) 5. Build the item (What was your woodworking plan, and what processes did you use to build your item?) 6. Evaluate (How does your item solve the original need?) 7. Present results (How would you do this better next time?)

### Department H, Division 920 – SET Welding

### Pay Category #3

**(All metal welding processes accepted)** SF281 for all classes

All welds exhibited in class 1 or 2 must be mounted on a 12" high x 15" long display board of thickness not to exceed 3/8". Attach each weld on a wire loop hinge or equivalent, so the judge can look at the bottom side of the weld when necessary. Each weld should be labeled with information stated 1) type of welding process (stick, MIG, TIG, Oxy-Acetylene, etc.) 2) kind of weld, 3) welder setting, 4) electrode/wire/rod size, and 5) electrode/wire/rod ID numbers. Attach a wire to display board so it can be hung like a picture frame. If no plans are included with welding item, it will be disqualified. If project is designed to be outside it is required to have appropriate outdoor finish because project may be displayed outside.

- H-920-001 **Welding Joints** - a display of one butt, one lap and one fillet weld. SF281
- H-920-002 **Position Welds** - a display showing three beads welded in the vertical down, horizontal and overhead positions. SF281
- H-920-003 **Welding Article** - 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. SF283
- H920004 **Welding Article** - (SF281) - any shop article where welding is used in the construction. 60% of item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. Type of welder, welder settings, all plans, plan alternations, and a bill for material must be attached to the article.
- H-920-005 **Welding Furniture** – any furniture with 75% welding is used in the construction. 60% of item must be completed by 4-Her and notes regarding laser welding or machine welding must be include. 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. SF282
- H-920-006 **Plasma Cutter/Welder Design** – Plasma cutters/welders allowed for detailed design(s) t butt cut into metal. 4-H'ers will create a notebook describing the process to crate the "artwork" to butt cut into the metal. Notebook includes: A photo (front and back) of the finished project. Also include detailed photographs of the project to allow judges to determine the cuts. Instructions on how the design was created, allows for replication of the project, lessons learned or improvements to the project.
- H-920-007 **Composite Weld Project** - 60% of the project must be welded and 40% made from other materials such as wood, rubber, etc. All plans, plan alternations, and a bill for materials must be attached to the article. Protect plans with a cover. If project is designed to be outside it is required to have appropriate outdoor finish because project may be displayed outside. SF280

### 4-H Welding Project Tips and Suggestions

Class 1:

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

- It is suggested that all welds be on the same size and thickness of metal. These pieces, referred to as coupons, should be 1.5 to 2 inches wide and 3.5 to 4 inches long. A good way to get this size is to buy new cold rolled strap iron and cut to length. The extra width is needed to provide enough metal to absorb the heat from the welding process and prevent the coupons from becoming too hot before the bead is completed. Narrower coupons will become very hot, making an average welder setting too cold at the bead start, just about right in the middle, and too hot at the end. The correct way to weld narrow strips is to make short beads and allow time to cool, however this project requires a full length bead.

**Stick welding** - Suggested coupon thickness-- $\frac{1}{4}$ " if using  $\frac{1}{8}$ " rod. Suggested rod-AC and DC straight or reverse polarity- first E-7014, second E-6013

**MIG welding** - Suggested coupon thickness-- $\frac{1}{4}$ " if using .035 wire and  $\frac{1}{8}$ " if using .023 wire.

**Oxy-Acetylene** - Suggested coupon thickness-- $\frac{1}{8}$ ". Suggested rod –  $\frac{1}{8}$ " mild steel rod.

Class 2:

- It is suggested that all welds be on same size and thickness of metal. These pieces are referred to as coupons. The welds can be on one coupon that is about 4" x 4" or on individual coupons that are about 2" X 4" inch and  $\frac{1}{4}$ " thick. Suggested rods for this class of position welds for AC and DC straight or reverse polarity is, first E-6013, second E-7014 and E-6010 for DC reverse polarity only.
- Welds should be cleaned with a chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil.

Class 3 & 4:

- 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.

## Department H, Division 800 - Entomology

Pay Category #3

### General Information

Specimens be mounted properly and labeled with location and date of collection, name of collector, and order name. Follow mounting and labeling instructions in the old edition of the Nebraska 4-H Entomology Manual online as a PDF file (<http://4h.unl.edu/web/4hcurriculum/4h26>). Purchased insects and other insects not collected by the participant can be included, but must have accurate labels and will not be counted in meeting minimum requirements for the exhibit. Boxes are preferred to be not more than 12" high x 18" wide, landscape orientation, so they fit in display racks. Purchase of commercially-made boxes is allowed. All specimens must be from the collector.

- H-800-001 **Entomology Display, First-Year Project (Class I).** Collection to consist of 25 or more different kinds (species) of insects representing at least 6 orders. Limit of one box.
- H-800-002 **Entomology Display, Second-Year Project (Class II).** Collection to consist of a minimum of 50 kinds (species) of insects representing at least 8 orders. Replace damaged or poorly mounted specimens. At least 25 species must be present from after July 1 of the previous year. Limit 2 boxes.
- H-800-003 **Entomology Display, Third-Year or More Project (Class III).** Collection to consist of a minimum of 75 kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. At least 25 species must be present from after July 1 of the previous year. Limit of 3 boxes.
- H-800-004 **Special Interest Display or Advanced Insect Display.** Educational display developed according to individual 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 1-4 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 the 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.).
- H-800-005 **Insect Habitats.** A one-page report must accompany the exhibit. (SF188)
- H-800-006 **Macrophotography.** Subjects should be insects, spiders or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be either 8" x 10" or 8  $\frac{1}{2}$ " x 11" and mounted on rigid, black 11" x14" poster or black matt board. Either orientation is acceptable. No frames or mat board framing is allowed. A short caption explaining the subject, printed on white paper and glued below the print on the poster or matt board. (SF 189)
- H-800-007 **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.
- H-800-008 **Reports or Journals.** Reports and journals should be in a 3-ring binder. A report may be informational, that is, an original article about a favorite insect, a history of insect outbreaks, diseases caused by insects, insects as food, etc. Or, it may be a research report about an investigation or experiment done in a scientific manner. It then should have a basic introduction of the insect studied, methods used, observations, and results of the project. Tables, graphs and images are helpful to include. A journal is an observational study over a period of time with personal impressions. It may cover watching changes of kinds of butterflies over the summer, rearing a specific insect from egg to adult, managing a beehive, observations of insects in a specific habitat, accounts of insect behavior in a forest or flower garden, etc.
- H-810-001 **Special Entomology Project.** Educational exhibit based on what was learned from the project. Present information on a poster no larger than 22" x 28" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, full

address, and county must be on the back of the poster or report cover. Reports may include life cycle, distribution of the insect, insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers, or lakes). May include a certain species or broad overview of the family or group of insects.

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

Rules: *The insect of the year for 2022 is the tiger beetle*

#### Department H – Veterinary Science

**Pay Category #4**

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

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

If photographs are to be part of the exhibit, remember that they will be viewed by the public. Make sure that the photographs are in good taste and will not be offensive to anyone. Graphic photographs of excessive bleeding, trauma or painful procedures are not appropriate. For exhibits related to veterinary surgical procedures, aseptic techniques need to be shown, for example, use of drapes, use of sterile procedures, wearing of gloves, and other appropriate veterinary medical practices.

First-Aid Kits: Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, 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.

#### Veterinary Science Posters

This exhibit presents the viewer with a design that is simple and direct, unlike a display that usually presents more information.

A poster should not exceed 22" x 28" and may be either vertical or horizontal.

#### Veterinary Science Displays

A display may include but is not limited to: a 3-dimensional exhibit, a scale model, the actual product (for example: skeleton; teeth; samples of leather, fur, or dried skin damaged by disease or parasites) or a notebook.

A display is not a poster.

A display may be mounted on poster board not to exceed 22" x 28" or on 1/4" plywood or equivalent that does not exceed 24" high or 32" wide or in a three-ring binder or another bound notebook format.

#### Appropriate Veterinary Science Topics:

- Maintaining health
- Specific disease information
- Photographic display of normal and abnormal characteristics of animals
- Animal health or safety
- Public health or safety
- Proper animal management to ensure food safety & quality
- Efficient and safe livestock working facilities
- Or a topic of the exhibitor's choosing related to veterinary medicine or veterinary science

\*\*REMEMBER: Since these are science displays, all references and information needs to be properly cited.

**Proper sources include but are not limited to: Professional journals and publication, professional journals and publications, professional AVMA accredited websites, interviews with Veterinarians and excerpts from Veterinary Educational Literature.**

#### Department H, Division 840 - Veterinary Science

**Pay Category #4**

##### Classes:

H-840-001 **Large Animal Poster or Display**

H-840-002 **Small Animal/Pet Poster or Display**

### DEPARTMENT I - CLOVER KIDS

Ages 5-7 (4-H ages, as of January 1 of the current year). Must be enrolled in Clover Kids Program. All entries are to be accompanied by completed entry cards. Only one exhibit per class. Limit 10 entries. All entries will receive a special ribbon. Be creative! These items are not eligible for State Fair competition.

#### Department I, Division 10 – Outside Discovery

I-10-001	<b>Treasure Hunt Collage</b>	I-10-006	<b>Insect Model</b> - Create your very own insect using non-edible media and include all the parts of an insect: 6 legs, one pair of antennae and three body sections.
I-10-002	<b>Plant Grown From Seed</b>	I-10-007	<b>Float Your Boat</b> (reference page 36 of project manual)- Design and build a boat.
I-10-003	<b>Seed Mosaic</b>	I-10-008	<b>Leaf Rubbing</b>
I-10-004	<b>Bird Feeder</b> –Any homemade bird feeder using recycled products	I-10-009	<b>Plaster Cast of Nature</b>
I-10-005	<b>Bird House</b> -Any homemade bird house	I-10-010	<b>Design Your Own Exhibit</b>

**Department I, Division 20 – Aerospace 1**

- I-20-001 **Rocket** made from food. Must be non-perishable. See directions in project manual.
- I-20-002 **Spacey Suit.** See directions in project manual.
- I-20-003 **Paper Flyers** - Make your favorite kind of paper flyer. This can be a kite, helicopter, airplane, rocket or any other flying machine.
- I-20-004 **4-H Aerospace Manual** - Enter your manual showing what activities you have completed.
- I-20-005 **“Go Green In Space”**- Create a flying machine (airplane, helicopter, rocket, space-buggy, etc.) out of recycled materials.
- I-20-006 **Windsock/Windchime**
- 1-20-007 **Design Your Own Exhibit**

**Department I, Division 30 - Family Celebrations from Around the World**

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| <ul style="list-style-type: none"> <li>I-30-001 <b>Family Traditions</b> - photograph and description of a family celebration - 8 ½ x 11" poster board.</li> <li>I-30-002 <b>Name Rhyme</b> - write a rhyme about your name and what it means.</li> <li>I-30-003 <b>Mexican Piñata</b></li> <li>I-30-004 <b>Japanese Hat</b></li> </ul> | <ul style="list-style-type: none"> <li>I-30-005 <b>China Dolls</b></li> <li>I-30-006 <b>Carp Kite</b></li> <li>I-30-007 <b>Mother’s/Father’s/Grandparent’s Day Poster</b></li> <li>I-30-008 <b>4<sup>th</sup> of July - U.S. Flag</b></li> <li>I-30-009 <b>Design Your Own Exhibit</b></li> </ul> |
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**Department I, Division 40 - Exploring Farm Animal**

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| <ul style="list-style-type: none"> <li>I-40-001 <b>Create a Critter</b></li> <li>I-40-002 <b>Animal Care Collage</b></li> <li>I-40-003 <b>Animal Story</b> - Handwritten, no more than 3 photos or 3 paragraphs. Ex.: Animal Care</li> <li>I-40-004 <b>Animal Sculpture</b> - any type of medium, i.e. clay, play dough, bread dough clay, etc.</li> </ul> | <ul style="list-style-type: none"> <li>I-40-005 <b>“Gate to Plate”</b>-Show what products or by-products we get from animals. Maximum exhibit size 14"x22".</li> <li>I-40-006 <b>Parts of a Farm Animal</b>- Exhibit may focus on one species or show multiple species. Maximum exhibit size 14"x22".</li> <li>I-40-007 <b>Know Your Breed</b>- Create an exhibit that shows what you have learned about the breed of any farm animal</li> <li>1-40-008 <b>Design Your Own Exhibit</b></li> </ul> |
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**Department I, Division 50 – Making Food For Me**

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| <ul style="list-style-type: none"> <li>I-50-001 <b>Making Food for Me Place Mat</b> – Colored and decorated. Lamination or protection with clear contact paper advised.</li> <li>I-50-002 <b>Food Cards</b> – Neatly cut and colored Food Cards, in self-sealing plastic bag or other secure container.</li> <li>I-50-003 <b>Grain Collage</b> – Neatly cut and pasted pictures of grains cut out and displayed on collage.</li> <li>1-50-004 <b>Dairy Tasting Party</b> – Completed Dairy Tasting Party form from Project Book (Page 17). May be copied or cut from manual.</li> </ul> | <ul style="list-style-type: none"> <li>I-50-005 <b>Protein Collage</b> – Neatly cut and pasted pictures of protein sources and food displayed on collage.</li> <li>I-50-006 <b>Healthy Snack</b> – Four cookies, bars, muffins, etc., on a paper plate or at least 1 cup of mix. (examples: snack mix made from a cereal base, no-bake or simple cookie or granola bar.)</li> <li>I-50-007 <b>Decorated Cupcake or Cookie</b>-Four on a paper plate. Decorated with frosting, candies and/or edible items.</li> <li>1-50-008 <b>Design Your Own Exhibit</b></li> </ul> |
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**Department I, Division 60 - Theater Art**

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| <ul style="list-style-type: none"> <li>I-60-001 <b>Sock Puppet</b></li> <li>I-60-002 <b>Spoon Puppet</b></li> <li>I-60-003 <b>Other Puppet</b></li> <li>I-60-004 <b>Picture Story</b> - See page 28 of manual</li> </ul> | <ul style="list-style-type: none"> <li>I-60-005 <b>Theater Arts Manual</b> - with completed activities</li> <li>I-60-006 <b>Strike up the Band</b>- create a musical instrument</li> <li>1-60-007 <b>Design Your Own Exhibit</b></li> </ul> |
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**Department I, Division 70 – A Space for Me**

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| <ul style="list-style-type: none"> <li>I-70-001 <b>Storage Container</b></li> <li>I-70-002 <b>Getting a Feel for Texture</b></li> <li>I-70-003 <b>Wall Hanging</b></li> </ul> | <ul style="list-style-type: none"> <li>I-70-004 <b>Recycling Item</b></li> <li>I-70-005 <b>You Create It “Color It, Paint It, Create It”</b></li> <li>I-70-006 <b>Other Home Environment Item</b></li> <li>1-70-007 <b>Design Your Own Exhibit</b></li> </ul> |
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**Department I, Division 80 - Bicycle Adventures**

- I-80-001 **Bicycle Helmet Story** - On 8 ½" x 11" paper tell why bicycle helmets are important.
- I-80-002 **Hand Signals Poster** - On 8 ½" x 11" poster draw and label three hand signals.
- I-80-003 **Safe Riding Poster** - On 8 ½" x 11" poster draw three safe riding practices.
- 1-80-004 **Design Your Own Exhibit**

**Department I, Division 90 - Textiles**

- I-90-001 **Decorate a t-shirt** - any method, without using an iron or sewing machine.
- I-90-002 **Decorate an accessory** - any method, without using an iron or sewing machine.
- I-90-003 **An item constructed from fleece** - without using the sewing machine. Does not need to be decorated.
- 1-90-004 **Design Your Own Exhibit**



**Department I, Division 100 – Caring for ME**

I-100-001 Home Safety Poster  
 I-100-002 First Aid Kit - Use zipper-lock bag  
 I-100-003 Food Guide Poster  
 I-100-004 This Is Me Poster

I-100-005 Caring for Your Teeth Poster  
 I-100-006 Rules of the Road Poster  
 I-100-007 Design Your Own Exhibit

**Department I, Division 110 – Clover Kid Fun Event**

I-110-001 Fun Event Activity Exhibit – Any item made during a Clover Kid Fun Event.

**DEPARTMENT K – FFA Agricultural Mechanics****Future Farmers of America Organization, Dept. of Vocational Agriculture**

All items entered in this department must be made by all-day students of Vocational Agriculture during the school year. Each article entered shall be neatly labeled with the name of student and cost of construction. Shop projects will be judged on construction, workmanship, utility design and material finish.

**Classes:**

**Pay Category #3**

**Department 76, Ag Mech: Utility**

6000 Large Item-Wagons, trailers  
 6010 Medium Item-Carts, welding tables, presses, engine hoist, engine stands  
 6020 Small Item-Splash blocks, tool boxes, foot scrapers, stools, car ramps, jack stands  
 6300 Large Item-Grills, smokers, planers, mini-sprayers  
 6310 Medium Item-Picnic tables, patio seats, patio table  
 6320 Small Item-Plant stands, planter boxes, signs

**Department 77, Ag Mech: Production**

6100 Large Item-Loading chute, bale carrier, hog carrier  
 6110 Medium Item-Stock panels, sheep blocker  
 6120 Small Item-Post driver, post puller, troughs

**Department 78, Ag Mech: Power**

6200 Large Item-Large sprayers  
 6210 Medium Item-Log splitter  
 6220 Small Item-Small sprayer

**Department 79, Ag Mech: Horticulture**

6300 Large Item-Grills, smokers, planers, mini-sprayers  
 6310 Medium Item-Picnic tables, patio seats, patio table  
 6320 Small Item-Plant stands, planter boxes, signs

**Department 80, Refurbishing (tractors)**

6400 Large Refurbishing (Tractors)  
 6410 Medium Refurbishing (Lawn mowers, tillers, power garden items)  
 6420 Small Refurbishing (Antique farm tools)

**Department 81, Ag Mech: Display**

6500 Welding-Arch  
 6510 Welding-MIG/TIG  
 6520 Welding/Gas Welding/Brazing  
 6520 Electrical-1 switch, 2 types of splices, light fixture, receptacle.  
 6550 Plumbing-3 types of pipe, soldering, flare fitting, glued joints, steel threaded joint.  
 6560 Advanced Electrical or Plumbing, includes controls, valves, timers, mot

