

## Static Exhibits

Awards will only be given to the top purple ribbon winner in each of the curriculum areas. Entry must earn a purple ribbon to earn awards and rosettes. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Classes that are listed as a "900" number (last 3 digits of the class number) are Hamilton County Fair-only exhibits and are not eligible to advance to the Nebraska State Fair, regardless of ribbon placement. County-only entries are still eligible for County Awards.



### Veterinary & Animal Science

**Superintendent: Lynelle Johnson**

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

Rules:

- A Veterinary Science exhibit may consist of a poster, notebook, or a display. The exhibit may represent material from any of the Veterinary Science projects including entry level exhibits from Unit I.
- 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, medications, or sharps including needles and scalpel blades) will be 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 inches x 28 inches and may be either vertical or horizontal.
- Veterinary Science Displays - A display may include but is not limited to: a three-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 inches x 28 inches or on ¼ inch plywood or equivalent that does not exceed 24 inches high or 32 inches wide or in a three ring binder or another bound notebook format. Formaldehyde preserved specimens will not be accepted due to biohazard and public health concerns.
- Eligibility- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

### Veterinary Science

#### Rules

Appropriate Veterinary Science Topics:

- Maintaining health
- Specific disease information
- Photographic display of normal and abnormal characteristics of animals
- Animal health or safety
- Public health or safety
- Proper animal management to ensure food safety & quality
- Efficient and safe livestock working facilities
- Or a topic of the exhibitors choosing related to veterinary medicine or veterinary science
- \*Remember, since these are science displays, all references and information needs to be properly cited. Proper sources include but are not limited to: Professional journals and publications, professional AVMA accredited websites, interviews with Veterinarians and excerpts from Veterinary Educational Literature. *Plagiarism will result in a disqualification. Please study your topic and present the information to your audience in your own words.*

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

**H840-001 4-H Veterinary Science Large Animal Poster, Notebook or Display (SF119)**

**H840-002 4-H Veterinary Science Small Animal/Pet Poster, Notebook or Display (SF119)**

### Animal Science

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

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

### Animal Science

**G090-900 Educational Display for Animal Entries (SF1000)** 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. Species include dairy, beef, sheep, swine, goat, poultry and rabbit. Poster display should be sturdy enough to last through the fair and no larger than 22 inches x 28 inches.

**G090-901 Watering/Feeding Device** (SF1000)

**G090-902 Cage/Pen** (SF1000)

**G090-903 Equipment used by the animal** (SF1000)

**G090-904 Equipment used by the handler/showman** (SF1000)

**G090-905 Animal Arts** (SF1000) The purpose of this class is to allow artistic exhibits that contain educational information about animal science. Examples might include paintings, photographs, wood carvings, or songs or poems written by the exhibitor. Entries must be appropriate for fair display and no larger than 24 inches x 24 inches. For example, paintings or photographs should be displayed in notebook format or mounted on a sturdy display panel. All entries must include a title and brief explanation of the purpose or message (what is the exhibit meant to show).

**G090-906 Notebook** (SF1000) Must include an animal project record book, 3 of the 5 topics listed below, and at least 3 pictures related to the project. a) Knowledge learned about proper feeding and watering and proper safety precautions for your animal; b) Knowledge gained relating to your animal's health: diseases, parasites, signs of illness, etc.); c) Experience gained in training or handling your animal; d) Breeds and their characteristics; e) How you developed leadership, initiative, sportsmanship, and other traits through your animal science project.

**G090-907 Other** (SF1000) Any item that is made by the 4-H member and relates to the project.

**G090-908 Hard Luck Animal Class** (SF1000) This class is for exhibits or exhibitors that cannot be shown in the project area. Example show calf dies, dog breaks a leg and the vet says cannot compete in a dog show. Include a story of what you planned on doing with the project, what happened, what you learned from the experience and include a picture.

### Embryology

**G090-909 Special Interest Display (ex: poster, scrapbook, etc.)** (SF1000)

## **Communications & Expressive Arts**

**Superintendent: Jackie Johnson**

The purpose of this project area is to establish basic to advanced knowledge of and abilities in using photographic equipment, lighting, and composition to capture images, expressing feelings, and communicating ideas. 4-H members can work through the three project levels, progressing from basic to advanced photography skills and techniques.



### **Photography**

#### **RULES**

- 4-H members are allowed to exhibit in only one photography level.
- 4-H members may enter up to three exhibits but no more than one exhibit per class (see general rules)
- An image may only be used on one exhibit with the exception of Portfolios which may include images entered in other classes.
- Cameras-Photos may be taken with any type of film or digital camera, including phones, tablets, and drones.
- Photos must be shot by the 4-H member during the current project year with the exception of portfolios which may include images captured and or exhibited in previous years.
- Securely attach photos, mats, backing, and data tags. Exhibits that are poorly attached may be disqualified.
- 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, 4-H members should focus on what new photography techniques or skills they were practicing when they took the photo, what makes the image successful, and what could have been done to improve the image. Portfolios may be presented in either print or digital formats:
- Printed portfolios should be presented in an 8.5 inch x 11 inch three-ring binder that is 8.5 inches X 11 inches or similar book format. Recommended photo size is 8 inch x 10 inch. Matting is not necessary.
- Digital portfolios may be presented online and must be exhibited along with a single 8.5 inches x11 inches flier. Flyers must include a link, URL, or QR code that takes users (judges and fairgoers) to their online portfolio.
- Display Exhibits: Display exhibits are only accepted in Level II. Displays consist of three 4 inches x 6 inches photos mounted on a single horizontal 11 inch x 14 inch 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)
- Print Exhibits: Print exhibits must be 8 inch x10 inch prints mounted in 11 inch x 14 inch (outside size) cut mat 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)

- Entry Tags: Entry tags should be securely attached to the upper right-hand corner of the exhibit.
- Data Tags: Data Tags are required on all print and display exhibits. Data tags are not required for portfolios. Each exhibit must have the appropriate number and level of data tags as outlined below. Data tags should be securely attached to the back of the exhibit. Current data tags and a help sheet are available at <https://go.unl.edu/ne4h-photography>.
- Level 1 Prints: All Level 1 prints must have a Level 1 Data Tag.
- Level 2 Prints: All Level 2 prints must have a Level 2 Data Tag.
- Level 2 Displays: Each photo of the display must include a separate Level 2 Data Tag. Data Tags should be numbered with the corresponding photo's number.
- Level 3 Prints: All Level 3 prints must have a Level 3 Data Tag.

### Level 1 Rules

- Level 1 Picture Displays:
  - Mounted on a single horizontal **14 inch X 22 inch** black (preferred) or white poster board. Unless you are entering class B180-906 then the poster board can be smaller to frame your photo.
  - Every photo on the picture display must be pencil numbered (no. 2 lead pencil) below (for judge's reference only). Numbers should be readable but not detract from display.
  - No titles, captions, or stick-on numbers will be allowed.
  - Individual photos may be cropped either horizontally or vertically with straight-edged scissors. No decorative cuts. Corners must be 90 degrees.
  - Photos must be mounted vertically or horizontally.
  - Personal Data Tags are required
  - Level 1 Photo Showcase Journal: (Class 903)
  - Choose project area 1,2,3, or 4 in the Level 1 project manual titled "Focus on Photography"
  - Complete the pages associated with the project area of your choice (project 1, 2, 3 or 4) or recreate and print the pages (still using actual photos).
  - Place pages in an 8 ½ inch x 11 inch black or white 3 ring binder.
  - Personal Data Tags are required. For your journal complete only the Showcase Data Tag and include this as page one of your showcase.

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

### Level 1 Classes

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

**B180-901 Picture Display** (SF85) Entry will consist of five pictures. The 4-H member will select one picture from five different categories. Categories to be selected from include: 1. animal, 2. building, 3. people, 4. landscape, 5. trick photography, 6. still life 7. Sports.

**B180-902 Picture Stories Series** (SF85) Three to five pictures which tell a photo story and should have a photographic introduction, a body, and a conclusion, all done with pictures. No captions are to be used!

**B180-903 Photo Journal** (SF85) An entry will consist of a single completed and bound section of project 1, 2, 3 or 4 in the Level 1 project manual titled "Focus on Photography".

**B180-904 Fun with Shadow Display** (SF85) Entry will consist of 3 pictures of 3 different subjects that capture the image of the shadow.

**B180-905 Magic and Tricks Display** (SF85) Entry will consist of a display of 3 pictures of 3 different subjects that use a "special effect" to create interesting photos. Refer to pages 50 – 51 of the manual.

**B180-906 Favorite Photo** (SF85) Entry will consist of your favorite photo in size 5 inch X 7 inch or 8 inch X 10 inch. Categories will include, but are not limited to, animals, buildings, people, landscape, sports, trick photography and still life for the special county entry. Entries will be judged on creativity, clarity and composition.

**B180-907 Composition Comparison** (SF85) 5 pictures of the same subject. 1) long shot, 2) medium shot, 3) close-up, 4) ultra-close-up, 5) distance too close for your camera to focus clearly - measure and label this distance.

**B180-908 Picture Series from a Bird's Eye View** (SF85) 5 pictures looking at common subjects from above.

**B180-909 Picture Series from a Bug's Eye View** (SF85) 5 pictures looking at common subjects from below.

**B180-910 to B180-916 require answers to listed questions to be attached neatly to the lower right corner on the front of the poster.**

**B180-910 Still Life Comparison** (SF85) 4 pictures of the same subject. 1) Hold camera in your hands, 2) Hold camera using a tripod or other stabilizer, 3) Landscape orientation 4) Portrait orientation. Answer these questions: How did the tripod/stabilizer picture compare to just holding the camera (Blurry? Tilted?) Comparing the landscape to the portrait orientation, how do they affect the feel or mood of the picture?

**B180-911 Picture Series** (SF85) 5 pictures of the same subject taken at least 2 hours apart. Label each with date and time of the picture. Explain which time of day pictures do you like the best and why?

- B180-912 Flash Comparison** (SF85) 2 pictures of the same subject in bright daylight; 1) without flash, 2) with flash. Also, take 2 pictures of the same subject indoors: 1) without flash, 2) with flash. Explain the differences in each set of two pictures.
- B180-913 Lighting Display** (SF85) 4 pictures of the same still life subject; 1) front lighting 2) side lighting 3) backlighting 4) overhead lighting. Explain what this activity taught you about the value of experimenting with a procedure to improve your picture.
- B180-914 Foreground/Background/Landscape Comparison** (SF85) Take 2 pictures of the same subject. 1) 2/3 sky, 1/3 land 2) 1/3 sky, 2/3 land. Explain the strengths and weaknesses of each photo. Also, two pictures of another subject, 1) main subject in foreground, 2) main subject in the background. Describe the story that each picture tells.
- B180-915 Black and White Comparison** (SF85) 2 pairs of photos of the same subjects, (4 photos total) 1) color, 2) black and white. (May set the camera to black and white or photocopy a color photo.) Explain how the black and white image compares with the color one. Which one did you like best and why?
- B180-916 Cropping Study** (SF85) Make 2 copies of one 4 inch x 6 inch photograph of any subject (3 total). Keep the original and crop the two copies two different ways. Pick your favorite of these three and enlarge it to 4 inch x 6 inch. Describe the pros and cons of each of these 4 photos.

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

### Level 2 Rules

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

### Level 2: Next Level Photography

**B181-010 Level 2 Portfolio** (SF88) Level 2 portfolios represent the photographer's best work and must include five to seven different images from the 4-H member's photography career. At least two 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.

**B181-020 Creative Techniques & Lighting Display or Print** (SF87) Photos 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)

**B181-030 Creative Composition Display or Print** (SF87) Photos 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)

**B181-040 Abstract Photography Display or Print** (SF87) Photos 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)

**B181-050 Candid Photography Display or Print** (SF87) Candid photos should capture a special moment or meaningful interaction. Photos should be un-posed. (Activity 10)

**B181-060 Expression Through Color Display or Print** (SF87) Photos capture a creative use of color or a color scheme, such as complimentary, contrasting, monochromatic, warm, cool, primary, secondary, or tertiary. (Activity 13)

**B181-070 Black & White Photography Display or Print** (SF87) A photo should be a black and white photograph that demonstrates strong use of composition, lighting, and contrast. Photos may be taken with any camera type (digital or film) but must be printed in black and white.

**B181-080 Creative and Experimental Photography Exhibit Print** (SF86) Using original photos a 4-H member has captured, create an exhibit in black and white or color demonstrating the use of creative or experimental technology or techniques. Alterations to the exhibit must be apparent. Examples of methods to use may include using artificial intelligence or software tools to edit or replace the original pixels of the image. Artificial Intelligence (AI) may be used when creating this exhibit, with adult care-giver permission. Any artificial intelligence work must be referenced. The 4-H member's original work must be the majority of the exhibit. Using photos and other work found online is not acceptable. Must include a 4 inch x 6 inch copy of each original image on the back of the matted exhibit, describe how the image(s) were altered and the equipment or software used.

**B181-908 Bits and Pieces** (SF87) Entry will consist of three photos of close-ups of familiar items. Fill the frame with small parts of whole subjects.

**B181-912 Spelling Bee Exhibit Print** (SF87) Photograph any letter of the alphabet in your surroundings. Find letters in the architecture of buildings, growing in a garden or on items in your own home.

**B181-913 Spelling Bee Display** (SF87) Spell a word in pictures. Photograph letters of the alphabet in your surroundings and combine them to spell a word. Use an appropriately sized matboard for your display.

### Level 3 Rules

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

PREMIUM	Purple (\$3.50)	Blue (\$3.25)	Red (\$2.75)	White (\$2.25)
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### **Level 3: Mastering Photography**

**B182-010 Level 3 Portfolio** (SF88) Level 3 portfolios 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, 4-H members 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.

**B182-020 Advanced Techniques & Lighting Print** (SF89) Photos 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)

**B182-030 Advanced Composition Print** (SF89) Photos show advanced compositions, such as using diagonal, horizontal, or vertical lines or repeating shapes to frame a subject or lead the viewer's eye through a scene; breaking the rule of thirds to compose a discordant image; or another advanced composition technique covered in Book 3 Mastering Photography (Activity 6, 7)

**B182-040 Portrait Print** (SF89) A great portrait captures not only a person's physical image, but also something of the person's character or personality. Photos may be either formal or informal but must be of one or more human subjects. (Activity 9)

**B182-050 Still Life Print** (SF89) 50 Photos capture non-moving objects that have been arranged in an interesting way. Photos should demonstrate advanced control over lighting and composition. (Activity 8)

**B182-060 Freezer/Blur the Moment Print** (SF89) Photos capture a subject in motion. Photographers should adjust shutter speed to either freeze or blur the movement. (Activity 11)

**B182-070 Black & White Photography Print** (SF89) Photo demonstrates advanced black and white photography with strong technical ability and creative expression. Photo demonstrates intentional use of contrast, lighting, and composition to create visual impact. *Advanced editing is allowed as appropriate for black and white imagery.*

**B182-080 Creative and Experimental Photography Exhibit Print** (SF86) Using original photos a 4-H member has captured, create an exhibit in black and white or color demonstrating the use of creative or experimental technology or techniques. Alterations to the exhibit must be apparent and advanced techniques used. Examples of methods to use may include using artificial intelligence or software tools to edit or replace original pixels of the image or other advanced techniques. Artificial Intelligence (AI) may be used when creating this exhibit, with adult care-giver permission. Any artificial intelligence work must be referenced. The 4-H member's original work must be the majority of the exhibit. Using photos and other work found online is not acceptable. Must include a 4 inch x 6 inch copy of each original image on the back of the matted exhibit, describe how the image(s) were altered and the equipment or software used.

## **Consumer & Family Sciences**

**Superintendent: Beth Andrews**



### **Clothing**

4-H members in the clothing category will demonstrate their knowledge through the creation of garments using STEAM (science, technology, engineering, arts and mathematics) techniques. Five divisions in the clothing category offer a varying level of difficulty for 4-H members..

Judging day for all Consumer & Family Science exhibits is Monday, July 27, 2026. All exhibits are due by noon on Monday, July 27, 2026. Exhibits turned in after Monday, July 27, 2026 at noon, will be automatically lowered one ribbon placing and will not be eligible for Grand and Reserve Champions or State Fair. Exhibits turned in late might not be judged due to a Consumer & Family Science judge being unavailable.

#### **Rules:**

- **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 printed blouse). Entry tag placement: as you look at the garment place the entry tag securely using safety pins on the right side of the garment and the hook of the hanger to the left.
- **Identification Labels:** Each item entered as a clothing, knitting or crochet exhibit must have a label attached stating: County, 4-H member'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 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
- **Preparation of Exhibits:** Please bring all wearable exhibits on wire hangers or hangers with a swivel hook ONLY. All exhibits not suitable for hanging should be entered in a self-sealing plastic bag and hung on a hanger. Wool garments and garments with narrow straps hang better on other hangers, i.e., wooden or notched plastic hangers with a swivel hook. As you look at the garment, place the hook of the hanger pointing to the left. Fasten skirts, shorts and pants to skirt/pant hangers or safety pins on hanger. Each piece should be entered on its own hanger. If more than one hanger is used for an entry, fasten hangers belonging to one exhibit together with twist ties or rubber bands.

- **Design Data Card** must be included with all Beyond the Needle Classes C221003- through C221008 and STEAM 2 and 3 upcycled exhibits. The data card is available at <http://go.unl.edu/ne4hclothing>. If the data card is not included, the exhibit will be lowered one ribbon placing. **The data card is only required for the classes listed above.**
- **Removal of Entries:** Entries may not be removed for use in any activity except County Fair Fashion Show.
- **General:** Garments as listed may be made for self (4-H member) or another person. 4-H members participating 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.
- **Criteria for Judging:** Scoresheets, forms, contest study materials and additional resources can be found at <https://go.unl.edu/ne4hclothing>. In addition, all entries must conform to rules and regulations as set forth in the current Nebraska State Fair Book which can be found here <https://4h.unl.edu/fairbook/general/rule>
- **Eligibility**
- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
- (An article of clothing chosen for State Fair in both construction and fashion show can only be shown in one at the state level, exhibitor must choose)

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

### General Clothing

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

**C220-001 Clothing Portfolio** (SF20) Complete at least four different samples/activities from Chapters 2, 3 OR 4 of the STEAM Clothing 2 project manual. The Portfolio should be placed in an 8 ½ inch x 11 inch, three ring binder. Include an appropriate cover. Portfolio should build upon itself each year (additional pages can be added each year but should be dated.) See pages 9-11 in STEAM Clothing 2: Simply Sewing project manual for portfolio formatting.

**C220-002 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 inch x 11 inch, three ring binder. Include an appropriate cover. Textile Science Scrapbook should build upon itself each year (additional pages can be added each year but should be dated). See the STEAM Clothing 2 project manual for fabric suggestions.

**C220-003 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 product. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22 inches x 30 inches.

**C220-910 Mending Exhibit** (Not Eligible for State Fair) Enter a mended item, which made the item useful again. Explain steps taken to mend the item and any other important information that would help the judge with the exhibit. Can be hand or machine mending. Pictures of before and after are encouraged as part of the exhibit.

**C220-911 Alteration Exhibit** (Not Eligible for State Fair) Show an example of how altering a purchased time made it a better fit for the 4-H member. Explain steps taken to alter the clothing item and other important information that would help the judge with the exhibit. Pictures of 4-H member wearing the item before and after alteration are required as well as the final item.

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

### Beyond the Needle

4-H members must show their own original creativity

**Design Data Card** must be included with all Beyond the Needle Classes C221-003 through C221-008 and STEAM 1, 2 and 3 upcycled exhibits. The data card is available at <http://go.unl.edu/ne4hclothing>. If the data card is not included, the exhibit will be lowered one ribbon placing.

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

**C221-002 Color Wheel** (SF20) Create your own color wheel, complimentary color bar or color scheme using pages 27-39 in the project manual. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22 inch x 30 inch.

**C221-003 Embellished Garment with Original Design** (SF26) **(Eligible for State Fair Fashion Show)** Create a garment using techniques as defined in the project manual. Designs are the original idea of the 4-H member using the elements and principles of design to make an original statement. A Design Data Card must be included with this project. If additional information is not included, the exhibit will be lowered one ribbon placing. (Modeled class C410-010)

**C221-004 Original Designed Fabric Yardage** (SF26) Fabric yardage is designed using techniques such as those found in the manual. Other embellishments may be added. Exhibit consists of at least one yard of finished fabric. A Design Data Card must be included with this project. If additional information is not included, the exhibit will be lowered one ribbon placing.

**C221-005 Item (garment or non-clothing item) Constructed from Original Designed Fabric** (SF26) **(Only garments are eligible for State Fair Fashion Show)** Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added. A Design Data Card must be included with this project. If additional information is not included, the exhibit will be lowered one ribbon placing. (Modeled class C410-015)

**C221-006 Textile Arts Garment or Accessory** (SF26) **(Eligible for State Fair Fashion Show)** A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. A Design Data Card must be included with this project. If additional information is not included, the exhibit will be lowered one ribbon placing. (Modeled class C410-020)

**C221-007 Fashion Accessory (Not eligible for State Fair Fashion Show)** (SF26) An accessory designed and/or constructed using elements and principles of design; can be textile or non-textile based. Example: shoes, strung bracelet/necklace, wire wrapping, scarves, flip flops, design on tennis shoes, etc. A Design Data Card must be included with this project. If additional information is not included, the exhibit will be lowered one ribbon placing.

**C221-008 Wearable Technology Garment or Accessory (Eligible for State Fair Fashion Show)** (SF26) Technology is integrated into the garment or accessory in some way (For example: LEDs, charging capabilities, sensors, etc.) A Design Data Card must be included with this project. If additional information is not included, the exhibit will be lowered one ribbon placing. (Modeled class C410-025)

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

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

### **STEAM 1: Beginning Sewing Exhibits**

Exhibits will be simple articles requiring minimal skills. Exhibits must be made from medium weight woven fabrics that will sew and press smoothly, flannel/fleece is acceptable. Solid color fabrics or those having an overall print are acceptable. No one-way designs, plaids, stripes, napped or jersey knit. Patterns should be simple without darts, set-in-sleeves, or collars. Follow suggested skills in the project manual. May exhibit one item per class number. 4-H members who have enrolled in or completed STEAM Clothing 2 project are not eligible to exhibit in STEAM Clothing 1.

**C900-901 Clothing Portfolio** (SF 20) Complete at least three different samples/activities from Chapter 2 OR Chapter 3 of the project manual. The Portfolio should be placed in an 8 ½ inch x 11 inch, 3 ring binder. Include an appropriate cover, dividers, and table of contents. (Additional pages can be added each year but should be dated.) See pages 9-11 for portfolio formatting.

**C900-902 Sewing Kit** (SF 20) Include a list of sewing notions and purpose for each included. (pg. 12-17 in project manual)

**C900-903 Fabric Textile Scrapbook** (SF 20) Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in the project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ inch x 11 inch, 3-ring binder. Include an appropriate cover. See project manual for fabric suggestions.

**C900-904 What's The Difference** (SF 20) 4-H members enrolled in STEAM Clothing 1 may enter an exhibit (not to exceed 22 inches x 30 inches) a notebook, poster, small display sharing a project comparison and price point. See project manual, "What's the Difference?" page 118-121. Exhibits should include pictures, NO actual pillows.

**C900-905 Clothing Service Project** (SF 20) Can include pillows or pillowcases but are not limited to. Exhibit (not to exceed 22 inches x 30 inches) a notebook, poster, small display sharing information you generated in the project activity "Serving A Purpose" page 122 and 125.

**C900-906 Pincushion and Needle Book** (CF 50)

**C900-907 Pillowcase** (CF 51)

**C900-908 Pillow** (CF 52) No larger than 18" x 18"

**C900-909 Bag/Purse** (CF53) No buttonholes.

**C900-910 Laundry Bag or draw-string bag** (CF 48)

**C900-911 Table Runner** (SF 51)

**C900-912 Kitchen Item** (SF23) Placemat, napkins, oven mitt, etc.

**C900-913 Household Helper** (SF23) card holder, kleenex holder, other simple item

**C900-914 Windsock** (SF23)

**C900-915 Tote Bag** (CF53)

**C900-916 Chair Caddy** (SF23)

**C900-917 Rail Fence or Disappearing 4-Patch** (CF52) made into a pillow or other household item

**C900-918 Shaped Pillow** (CF52)

**C900-919 Simple Dress** (SF 28) (Model under C410-907)

**C900-920 Simple Top** (SF28) (Model under C410-905)

**C900-921 Simple Bottom** (SF 28) pants, shorts, capri (Model under C410-906)

**C900-922 Simple Skirt, Wrap Skirt, or Skort** (Model under C410-917)

**C900-923 Fashion Accessory (scrunchie, belt, headband, etc.)**

**C900-924 Other (apron, vest, etc)** (Model under C410-908)

**C900-925 Upcycled Simple Garment** (SF 28) 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 and Design Data Card **must** accompany the entry, or it will be lowered 1 ribbon. (Model under C410-910)

**C900-926 Upcycled Accessory** (SF 23) 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 and Design Data Card **must** accompany the entry, or it will be lowered 1 ribbon placing.

### **Rules**

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

skills by project is available at <https://go.unl.edu/ne4hclothing>. Garments as listed below may be made from any woven or knit fabric appropriate to the garment's design and should demonstrate sewing skills beyond STEAM Clothing 1.

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

### **STEAM 2: Simply Sewing**

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

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

**C222-001 Design Basics, Understanding Design Principles** (SF20) 4-H members 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 inches x 30 inches.

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

**C222-003 Upcycled Garment** (Eligible for the State Fashion Show) (SF28) Create a garment from used textile-based items. The original used item must be redesigned using skills learned in STEAM Clothing 2 (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A Design Data Card must be included with this project including a "before" picture no larger than 4.25 inch x 5.5 inch. If additional information is not included, exhibit will be lowered one ribbon placing. (Modeled class C410-030)

**C222-004 Upcycled Clothing Accessory** (not eligible for the state fashion show) (SF28) A wearable accessory made from a used item. The original used item must be redesigned using skills learned in STEAM Clothing 2 (not just decorated) in some way to create a new wearable accessory. The finished item must reflect at least one skill learned in this project. A Design Data Card must be included with this project including a "before" picture no larger than 4.25 inches x 5.5 inches. If additional information is not included, the exhibit will be lowered one ribbon placing.

**C222-005 Textile Clothing Accessory** (SF28) (not eligible for the State Fair Fashion Show) Textile accessory is constructed using at least one skill learned in this project from materials appropriate for 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.)

**C222-006 Top** (SF28) (not eligible for State Fair Fashion Show) (vest acceptable) (Modeled class C410-911)

**C222-007 Bottom** (SF28) (not eligible for State Fair Fashion Show) (pants or shorts) (Modeled class C410-912)

**C222-008 Skirt** (SF28) (not eligible for State Fair Fashion Show) (Modeled class C410-913)

**C222-009 Lined or Unlined Jacket** (SF28) (not eligible for State Fair Fashion Show) (Modeled class C410-913)

**C222-010 Dress** (SF28) (eligible for State Fair Fashion Show) (not formal wear) (Modeled class C410-030)

**C222-011 Romper or Jumpsuit** (SF28) (eligible for State Fair Fashion Show) (Modeled class C410-030)

**C222-012 Two-Piece Outfit** (SF28) (eligible for State Fair Fashion Show) (Modeled class C410-030)

**C222-013 Alter Your Pattern** (SF28) (Eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit)-Garment constructed from a significantly altered pattern. Entry must include both the constructed garment and the altered pattern. Include an information sheet that describes 1) how the pattern was altered or changed, 2) why the changes were needed/wanted. Appropriate skills for altering/designing a pattern in STEAM 2 include: moving darts, merging two patterns together, altering a pattern for a woven or knit material, adding a lining)

**C222-014 Garment Constructed from Sustainable or Unconventional [natural or synthetic] fibers** (SF28) (Eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit) Fabric/Fibers used in this garment must be manufactured/purchased, for example: bamboo, banana, corn husk, and recycled fibers. Garments that are constructed out of the unconventional items themselves should be exhibited under Beyond the Needle.

### **Rules**

1. Exhibits entered in this project must reflect at least one new skill learned from this manual (see project manual skill-level list). A list of skills by project is available at <http://go.unl.edu/ne4hclothing>. Garments as listed may be made from any pattern or any fabric and should demonstrate sewing skills beyond STEAM Clothing.

2. Entry consists of completely constructed garments only. Wool entries must have the fiber content listed on the identification label.

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

### **STEAM Clothing 3 A Stitch Further**

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

**C223-001 Upcycled Garment** (eligible for the state fashion show) (SF28) Create a garment from used textile-based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A Design Data Card must be included with this project including a "before" picture

no larger than 4.25 inches x 5.5 inches. If additional information is not included, exhibit will be lowered one ribbon placing. (Modeled class C410-040)

**C223-002 Upcycled Clothing Accessory** (not eligible for the State Fashion Show) (SF28) A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. A Design Data Card must be included with this project including a “before” picture no larger than 4.25 inches x 5.5 inches. If additional information is not included, exhibit will be lowered one ribbon placing.

**C223-003 Textile Clothing Accessory** (SF28) (not eligible for State Fair Fashion Show) Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 3. Entry examples include: hats, bags, scarves, gloves. No metal, plastic, paper or rubber base items allowed (i.e. barrettes, headbands, flip flops, duct tape, etc.).

SF28 for the following classes

**C223-004 Dress or Formal** (eligible for the State Fair Fashion Show) (SF28) (Modeled class C410-040)

**C223-005 Skirted Combination** (eligible for State Fashion Show) (skirt with shirt, vest or jacket OR jumper and shirt) (SF28) (Modeled class C410-040)

**C223-006 Pants or Shorts Combination** (eligible for State Fair Fashion Show) (pants or shorts with shirt, vest or jacket) (SF28) (Modeled class C410-040)

**C223-007 Romper or Jumpsuit** (eligible for State Fair Fashion Show) (SF28) (Modeled class C410-040)

**C223-008 Specialty Wear** (eligible for State Fashion Show) (includes: swimwear, costumes, hunting gear, or chaps) (SF28) (Modeled class C410-040)

**C223-009 Lined or Unlined Jacket** (eligible for State Fashion Show) (non-tailored) (SF29) 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. (Modeled class C410-040)

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

**C223-010 Coat, Blazer, Suit Jacket or Outerwear** (SF28) (eligible for State Fair Fashion Show) A tailored blazer or suit jacket or coat. (Modeled class C410-040)

**C223-011 Alter/Design Your Pattern** (SF28) (eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit)–Garment constructed from a significantly altered pattern. Entry must include both the constructed garment and the altered pattern.

Include an information sheet that describes 1) how the pattern was altered or changed, 2) why the changes were needed/wanted.

Appropriate skills for altering/designing a pattern in STEAM 3 include: moving darts, adding a zipper, merging two patterns together, altering a pattern for a woven or knit material, adding a lining, designing your own pattern)

**C223-012 Garment Constructed from Sustainable or Unconventional [natural or synthetic] fibers** (SF28) (Eligible for State Fair Fashion Show, in the class that best describes the type of garment constructed i.e. Dress, Romper or Jumpsuit, or Two-piece Outfit) Fabric/Fibers used in this garment have to be manufactured/purchased, for example: bamboo, banana, corn husk, and recycled fibers. Garments that are constructed out of the unconventional items themselves should be exhibited under Beyond the Needle.



## Knitting & Crocheting

The purpose of this category is to establish basic to advanced crocheting and knitting skills. In addition, projects in this category require 4-H members to select adequate yarn and make design decisions.

### Rules

- **Entry Tags:** Every exhibit must be described on the appropriate entry tag accompanying it (for example: blue afghan, yellow sweater, crocheted gray elephant). Attach the entry tag securely to the exhibit using straight pins or safety pins (no paper clips).
- **Identification Labels:** Each item entered as a knitting or crocheting exhibit must have a label attached stating: County, 4-H member's name and age, project name and class in which exhibit is entered, and the number of years the 4-H member has exhibited in respective level. Wool entries must have fiber content listed on the identification label. Attach a label to every component of the exhibit using safety pins or by basting. Not responsible for unlabeled items.
- **A Fiber Arts Data Card** must be included with all Knitting & Crocheting exhibits. The data card is available on our website or copies may be picked up at the Extension Office. If the data card is not included, the exhibit will be lowered one ribbon placing.
- **Preparation of Exhibits:** Knitted and Crocheted exhibits should be entered in the most appropriate manner for the exhibit.
- **General:** Garments as listed may be made for self (4-H member) or another person. 4-H members enrolled in knitted and crocheted projects should continue their skill development. Once you have exhibited at a higher level, you are not eligible to exhibit in a lower level. Ex. Once you exhibit in Knitting Level 3, you are not eligible to exhibit in Knitting Level 2.

### Knitting

#### Rules

- All knitted items will be displayed in the clothing area.
- Criteria for judging knitting: Design and Color, Neatness, Knitting Mechanics, Trimmings, and Constructions Finishes.

- Each knitting exhibit must include the following information on the fiber arts data card or exhibit will be lowered one ribbon placing:
  - Why did you choose to create this exhibit?
  - What steps did you take as you created this exhibit?
  - What were the most important things you learned?
  - Gauge-Number of rows per inch; number of stitches per inch.
  - Size of needles, finger knitted, arm knitted, loom or machine knitted.
  - Kind of yarn – weight and fiber content.
  - Names of stitches used.

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

**Level 1 (SF60)**

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

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

**C225-001 Level 2 Knitted Clothing** (SF60) (Garment Eligible for State Fair Fashion Show) Knitted item or garment using pattern stitches such as diamond, block, twist or seed/moss stitches. Basic stitches [including: Knit (K), Purl (P), Slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo)] to form pattern (Modeled class C410-050)

**C225-002 Level 2 Knitted Non-Wearable** (SF60) Knitted Item using basic stitches [including: Knit (K), Purl (P), slip Knit Pass Over (SKPO), Knit Two Together (K2tog), Yarn Over (yo)] to form patterns.

**C225-003 Arm or Finger Knitted Item** (SF60) (Wearable or Non-wearable Item)

**C225-004 Loom Knitted Item** (SF60) (Wearable or Non-wearable Item)

**C225-005 Level 3 Knitted Clothing** (SF60) (Garment Eligible for State Fair Fashion Show) Knitted item or garment made from advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, Tamera, plait, Germaine, feather, and fan or knitting with one or more patterns such as Aran or Fair Isle. Made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting. (Modeled class C410-050)

**C225-006 Level 3 Knitted Non-wearable Item** (SF60) Knitted item made by using stitches learned in Level 2 while advancing to circular knitting, double-pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting.

**C225-007 Level 3 Machine Knitting** (SF60)

**C225-905 Level 2 Knit One/Add One** (SF60) Knitted garment made using Level 2 stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

**C225-906 Level 3 Knit One/Add One** (SF60) Knitted garment made using level 3 stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

**Crocheting**

**Rules**

- All crocheted items will be displayed in the clothing area.
- Criteria for judging crocheting: Design and Color, Neatness, Crochet Mechanics, Trimmings, and Construction Finishes.
- Each crocheted exhibit must include the following information on the fiber arts data card with the entry tag or exhibit will be lowered one ribbon placing:
  - Why did you choose to create this exhibit?
  - What steps did you take as you created your exhibit?
  - What were the most important things you learned?
  - Gauge and size of hook or type of crocheting tool.
  - Kind of yarn - weight and fiber content or other material used.
  - Names of stitches used.

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

**Crochet Level 1 (SF61)**

- C226-901** Hot Pad
- C226-902** Place Mat
- C226-903** An Accessory (hat, scarf, purse)
- C226-904** Other Crocheted Item

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

**C226-001-Level 2 Crocheted Clothing (SF61) (Garment eligible for State Fair Fashion Show)** Crocheted garment using basic stitches [including: chain, single, double, half-double, treble] to form patterns. (Modeled class C410-050)

**C226-002-Level 2 Crocheted Home Design & Restoration Item (SF61)** Crocheted item using basic stitches [including: chain, single, double, half-double, treble] to form patterns.

**C226-003-Level 3 Crocheted Clothing (SF61) (Garment eligible for State Fair Fashion Show)** Crocheted garment using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches. (Modeled class C410-050)

**C226-004-Level 3 Crocheted Home Design & Restoration Item (SF61)** Crocheted item using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.

**C226-905 Level 2 Crochet One/Add One (SF61)** A crocheted garment made using Level 2 pattern stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

**C226-906 Level 3 Crochet One/ Add One (SF61)** A crocheted garment made using Level 3 advanced crochet stitches (see above) combined with a sewn or purchased garment to make a complete wearable outfit.

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

## Shopping in Style

### Rules:

- If the exhibit is a poster, it should be on a 14 inch x 22 inch poster board. If a three-ring binder is used it should be 8 ½ inch x 11 inch x 1 inch. Folders with or without fasteners should NOT be used and entries will be lowered a ribbon placing. Video exhibits should be less than five minutes in length. Multi-media presentations and exhibits are to be uploaded to a video streaming application and 4-H members must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.
- Do NOT include the Shopping in Style Fashion Show Written Report with Narration Form SF184 in any exhibits.

**C240-001 Best Buy for Your Buck (SF84) (Ages 8-13 before January 1 of the current year)** Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a three ring binder or video, no posters please (see general information above). Do not include the Shopping in Style Fashion Show Information Sheet in your entry for this class. Although both entries do share some information, there are differences in content and format for this class.

Provide details about wardrobe inventory which indicates the following:

- why you selected the garment you did
- clothing budget
- cost of garment.
- Conclusion or summary statement(s) stating your final comments on why you selected your “best buy for your buck)
- Provide 3 color photos of you wearing the garment (front, side, back view). (Modeled Class C410-060)

**C240-002 Best Buy for Your Buck (SF84) (Ages 14-18 before January 1 of the current year)** Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a three ring binder or video, no posters please (see general information above). Do NOT include the Shopping in Style Fashion Show Written Report with Narration Form SF184 in your entry. Although both entries do share some information, there are differences in content and format for this class.

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

- body shape discussion
- construction quality details
- design features that affected your selection
- cost per wearing
- care of garment
- conclusion or summary statement(s) stating your final comments on why you selected your “best buy for your buck.”
- provide 3 color photos of you wearing the garment (front, side, back view). (Modeled Class C410-060)

**C240-003 Revive Your Wardrobe (SF88)** Take at least two items in your wardrobe that still fit but that you don't wear anymore and pair them with a new garment or garments to make them wearable once again. Create a photo story which includes before and after photos and a description of what was done. Put in a three ring binder, poster, or video (see general information).

**C240-004 Show Me Your Colors (SF89)** Select six-eight color photos of you wearing different colors. Half should be what you consider to be good personal color choices and half should be poor personal color choices. Write a brief explanation with each photo describing your selections. Refer to the manual page 23 for more information. Entry should be a poster (see general information).

**C240-005 Clothing 1st Aid Kit (SF64)** Refer to page 73 of the manual and complete a clothing first aid kit. Include a list of items in the kit and brief discussion of why each was included. Put in an appropriately sized box or tote with a lid. No larger than a shoe box.

**C240-006 Mix, Match, & Multiply (SF90)** Using this concept from page 32 of the manual take at least five pieces of clothing and create new outfits. Use your imagination to show various looks (i.e. on a clothesline, in a tree, on a mannequin). Include a brief discussion of each outfit which demonstrates what you have learned by completing this entry. Entry can be a three ring binder, poster, or video (see general information).



## Consumer Management

Consumer management helps 4-H members learn more about how to make smart fiscal decisions and how to improve financial literacy. The different exhibits provide a variety of learning experiences for 4-H members. Participants in this category will emphasize setting smart goals and keeping a spending plan.

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

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

### My Financial Future

#### Rules:

- 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 inches x 22 inches or smaller). You may use the front and back of the poster board. Page reference in classes 01-06 can be found in My Financial Future Youth Notebook-Beginner. Page references in classes 08-11 can be found in My Financial Future Youth Notebook.

**C247-001 Write 3 SMART financial goals for yourself** (SF247) (one should be short term, one intermediate, and one long term.)

Explain how you intend to reach each goal you set.

**C247-002 Income Inventory** (SF247) Using page 13 as a guideline, list sources and amounts of income you earn/receive over a six-month period. Answer the following questions: What were your income sources? Were there any steady income sources? What did you do with the income you received? Include your income inventory in the exhibit.

**C247-003 Tracking Expenses** (SF247) Use an app or chart like the one on page 17 to track your spending over two months. Answer the following questions: What did you spend most of your money on? What did you learn about your spending habits? Will you make any changes in your spending based upon what you learned? Why or why not? Include your chart in your exhibit.

**C247-004 Money Personality Profile** (SF247) Complete the money personality profile found on pages 21-22. Answer the following questions: What is your money personality? How does your money personality affect the way you spend/save money? Have a friend or family member complete the money personality profile. Compare and contrast (how are you alike, how are you different) your money personality profile with theirs.

**C247-005 Complete Activity 8 “What Does It Really Cost?”** (SF247) on pages 39-40.

**C247-006 My Work; My Future** (SF247) Interview three adults in your life about their careers or jobs using the questions on page 51 and record these answers. In addition, answer the following questions on your display. What did you find most interesting about these jobs? Were there any positions you might want to pursue as your career? Why/Why not? What careers interest you at this point in your life? What are three steps you need to do now to prepare for this career?

**C247-007 Interview** (SF247) -Interview someone who is paid a salary; someone who is paid a commission; and someone who is paid an hourly wage. Have them answer the following questions plus any additional questions you may have.

\*What are some benefits of receiving your pay the way you do (salary, commission, or hourly wage)? \*What are some negative outcomes for getting paid the way you do? \*Does your pay keep pace with inflation? Why do you think this? Summarize: Based upon your interviews which payment method would suit you the best? Discuss your answer.

**C247-008 The Cost of Not Banking** (SF247) Type your answers to the questions about Elliot on page 50.

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

**C247-010 Understanding Credit Scores** (SF247) Watch the video and read the resource listed on page 71. Answer the following questions. \*Name three prudent actions that can reduce a credit card balance. \*What are the main factors that drive the cost of credit? \*List one personal financial goal that you could use credit or collateral to purchase. Discuss possible consequences that might happen with improper use of credit for your purchase.

**C247-011 You Be the Teacher** (SF247) Create an activity, storyboard, game or display that would teach another youth about “Key Terms” listed on page 62. Activity/display must include at least five of the terms.

## Human Development

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

#### Rules:

- Exhibitors in the Human Development project area will be asked to focus on designing toys/games/activities that meet the different needs of children.
- Categories: are based on the Early Learning Guidelines in Nebraska which identify the important areas in which our children should grow and develop. Use the Nebraska Department of Education website and the resources around the Early Learning Guidelines to help understand the six areas and the skills children need to develop to create your exhibit, in conjunction with your project manual. <http://www.education.ne.gov/OEC/elg.html>
- Eligibility: All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.



- Information sheet for Classes 1-6 should include:
  - Where did I get the idea for this exhibit?
  - What decisions did I make to be sure the exhibit is safe for children to use?
  - What age is this toy, game or activity appropriate for and why? (Infant, Birth-18 mos.; Toddlers, 18 mos-3 yrs.; Preschoolers, 3-5 yrs. or Middle Childhood, 6-9 yrs.) 4-H members must give at least two examples that help in understanding the appropriateness of this exhibit for the age of the child (see project manuals).
  - How is the toy, game or activity intended to be used by the child?
- Information sheet for Class 8 should include:
  - State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for.
  - What are children this age like? Give two examples to show how the kit would be appropriate for children this age.
  - What will the child learn or what skills will they gain by using the kit?
  - Which item(s) were made by the 4-H member? 4-H member 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).

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

**Toy, game, or activity** made for a selected and identified age group. The intent is for the toy/game/activity to teach the child in the developmental area related to each class. For example, a game that is developed to help youth learn language and literacy skills would be an exhibit for class C200-002. Each area is a different class. Information sheet required or exhibit will be dropped a ribbon placing for classes 1-6.

**C200-001 Social Emotional Development (SF30)**

**C200-002 Language and Literacy Development (SF30)**

**C200-003 Science (SF30)**

**C200-004 Health and Physical Development (SF30)**

**C200-005 Math (SF30)**

**C200-006 Creative Arts (SF30)**

**C200-007 Activity with a Younger Child (SF115)** Poster or scrapbook showing 4-H'er working with a child age 0 to 8 years. May show making something with the child, or childcare or child interactions. May include photos, captions, story or essay. Size of the exhibit is your choice. Other people may take photos so 4-H member can be in the photos. 4-H'er must make a scrapbook or poster. No information sheet needed for class 7.

**C200-008 Babysitting Kit (SF85)** 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 a kit for a combination of ages or for your own family to use. 4-H'er must make one or more items in the kit, but purchased additional items are also allowed. A list of items in the kit is suggested to be included.

Display in a box or bag suitable for what it contains. Approximate size not larger than 12 inches x 15 inches x 10 inches. All items in the kit must be safe for the child to handle. Most importantly the kit should serve a defined purpose, not just be a catch all for several items.

Information sheet required or exhibit will be dropped a ribbon placing for class 8.

Information sheet for Class C200-008 should include:

- State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for.
- What are children this age like? Give two examples to show how the kit would be appropriate for children this age.
- What will the child learn or what skills will they gain by using the kit?
- Which item(s) were made by the 4-H member.

**C200-009 Family Involvement Entry (SF115)** Scrapbook, poster or story describing an activity the family did together. It might include making something such as a doll house or feed bunk. Items may be exhibited if desired. Other possibilities include a house or farm cleanup project, a family reunion, a celebration of a family milestone, a trip or vacation, moving, a community service project. Photographs are encouraged. Visuals should show family participation. Participation by all family members is important. Include a list of family members and what each person did to participate in the event.

**C200-010 Growing with Others Scrapbook or Poster (SF115)** Examples: How to decide if it's time you can be home alone, and related activities. How responsibilities and privileges are related. Friendships. Working with others. Understanding rules and boundaries. A family tree. A family rules chart. A family meal plan, with pictures of a special family meal. A home safety checklist. Being street smart (safety). A school scrapbook showing yourself and your school activities, memories, and special interests.

**C200-011 Growing in Communities Scrapbook or poster (SF115)** 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 have you overcome obstacles. Friendships. A community profile. A community service project. Working with parents. Teaching experiences. Understanding discipline. Playground safety check.

## Heritage

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

## Rules

- Exhibits are entered at 4-H member's own risk. We will not be responsible for loss or damage to family heirloom items or any items in this division.
- Displays should not be larger than 22 inches x 28 inches wide. If the size needs to be a different size because the historical item is larger than 22 inches x 28 inches, please contact the superintendents for approval. Display collections securely in an attractive container no larger than 22 inches x 28 inches.
- Exhibits must include NAME, COUNTY, AGE & PAST EXPERIENCE (years in Explore Your Heritage projects) on the back of the exhibit.
- All entries must include documentation. When writing documentation ask yourself and think about how does this relate to my heritage or why is it important. Examples of documentation: birth dates, death dates, marriage dates, identification individuals included in the exhibit or stories related to the subject of the exhibit.
- Eligibility: All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

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

### LEVEL 1: Beginning

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

- A101-001 Heritage Poster or Flat Exhibit** (SF71) Entries may be pictures, posters, items that depict family heritage. Exhibits must be supported by a written explanation.
- A101-002 Family Genealogy/History Notebook** (SF71) Include pedigree charts/family group sheets, with documentation for two to three generations of one family line, expanding each year. If multiple books are included in the exhibit, only bring books with most current year's work.
- A101-003 Local History Scrapbook/Notebook** (SF71) Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- A101-004 Framed Family Groupings** (SF71) (or individuals) of pictures showing family history. Pictures must be supported by a written explanation.
- A101-005 Other Exhibits Depicting the Heritage of the Member's Family or Community** (SF71) Exhibit must be supported by a written explanation. May include biographical album of themselves or another family member, family cookbooks, etc.
- A101-006 4-H History Scrapbook** (SF71) A scrapbook relating 4-H history of local club or county. Must be work of an individual 4-H member - no club project. If multiple books are included in the exhibit, only bring book with most current year's work.
- A101-007 4-H History Poster** (SF71) Poster relating 4-H history of local club or county or individual.
- A101-008 Story or Illustration** (SF71) about a historical event.
- A101-009 Book Review** about local, Nebraska or regional history.
- A101-010 Other Historical Exhibits** (SF71) Attach an explanation of historical importance.
- A101-011 Family Traditions Book** (SF71) Exhibitor scrapbook depicting family traditions of the past.
- A101-012 Family Traditions Exhibit** (SF71) Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.
- A101-013 4-H Club/County Scrapbook** (SF71) Scrapbook relating 4-H history of local club or county compiled by club historian. If multiple books are included in the exhibit, only bring book with most current year's work.
- A101-014 4-H Member Scrapbook** (SF71) Scrapbook relating to individual 4-H members' 4-H history. If multiple books are included in the exhibit, only bring book with most current year's work.
- A101-015 Special Events Scrapbook** (SF71) A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal or family special event, such as a trip, family reunion, etc.

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

### LEVEL 2: Advanced

#### Rules: Division 102, Level 2: Advanced (Over 4 years in project)

- A102-001 Heritage Poster or Flat Exhibit** (SF71) Entries may be pictures, posters, items, etc. that depict family heritage. Exhibits must be supported by a written explanation.
- A102-002 Family Genealogy/History Notebook** (SF71) Include pedigree charts/family group sheets, with documentation beyond two to three generations of one family line, expanding each year.
- A102-003 Local History Scrapbook/Notebook** (SF71) Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage. If multiple books are included in the exhibit, only bring book with most current year's work.
- A102-004 Framed Family Groupings** (SF71) (or individuals) of pictures showing family history. Pictures must be supported by a written explanation.
- A102-005 Other Exhibits** (SF71) depicting the heritage of the member's family or community. Exhibit must be supported by a written explanation. May include biographical album of themselves or another family member, family cookbooks, etc.
- A102-006 4-H History Scrapbook** (SF71) A scrapbook relating 4-H history of local club or county. Must be work of an individual 4-H member - no club project. If multiple books included in exhibit, only bring the book with most current year's work.
- A102-007 4-H History Poster** (SF71) Poster relating 4-H history of local club or county or individual.

- A102-008 Story or Historical Illustration** (SF71) about a historical event.
- A102-009 History Book Review** (SF71) about local, Nebraska or regional history.
- A102-010 Other Historical Exhibits** (SF71) Attach an explanation of historical importance.
- A102-011 Community or State Landmark** (SF71) depicting the importance of a community or Nebraska historic landmark.
- A102-012 Community Report** (SF71) documenting something of historical significance from past to present.
- A102-013 Historic Collection** (SF71) (displayed securely and attractively in a container no larger than 22 inches x 28 inches).
- A102-014 Video Documentary of a Family or Community Event** (SF71) Must be produced and edited by 4-H member. Video is to be uploaded to a streaming application and 4-H member must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.
- A102-015 4-H Club/County Scrapbook** (SF71) Scrapbook relating 4-H history of local club or county compiled by club historian. If multiple books are included in the exhibit, only bring book with most current year's work.
- A102-016 4-H Member Scrapbook** (SF71) Scrapbook relating to individual 4-H member's 4-H history. If multiple books included in exhibit, only bring book with most current year's work
- A102-017 Special Events Scrapbook** (SF71) A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal or family special event, such as a trip, family reunion, etc.

## **Home Design & Restoration**

**Superintendent: Jackie Johnson**



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

### **Rules**

- Items must be designed to be used for home decorating, home furnishing or home management (no clothing, purses, note cards, scrapbooks/photo albums, etc.)
- Accessories should be of high quality (as compared to quick, simple crafts), suitable for use in the home several months throughout the year. Holiday specific items are discouraged. Exhibits made from kits are also discouraged as kits limit decision-making in the design process.
- Items should show creativity and originality, along with the application of design principles and elements. 4-H members are required to include the design elements and principles they used, along with a simple explanation of 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.
- Entered in the correct class: What medium is the majority of your accessory made from? What was changed or manipulated?
- Items should be ready for display in the home: pictures framed wall hangings and pictures ready to hang etc. No single mat board or artist canvas panels allowed. Wrapped canvas (if staples not visible on edge) is accepted without framing. Make sure hangers are strong enough to support the item. Command Strips are not adequate hangers. Items not ready for display will be dropped one ribbon placing.
- All static exhibits must have received a purple ribbon at the county fair to advance to the state fair.
- 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, such as Design My Place, are county only and not state fair eligible.
- Size of Exhibits: Exhibits may be no taller than 7 feet and no wider than 6 feet. All exhibits must be easily lifted by two 4-H staff.
- Entry Tags: An entry tag which includes a clear description of the entry must be securely attached to each exhibit. Use color, pattern or picture descriptions to aid in identification. No straight pins.
- Identification: In addition to the entry tag, a label with the 4-H member's name and county should be attached to each separate piece of the exhibit.
- **Supporting Information:** A supporting information tag is required for all exhibits. Information must include elements or principles of design used and steps taken to complete project. Tags can be found on our website or at the Extension Office. Exhibits without supporting information will be lowered a ribbon placing.

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

### **Design My Place**

For classes C251-901 to C251-913 Attach information to explain steps taken. Information must also include elements or principles of design used. A supporting information tag is required for all exhibits. Tags can be found on our website or at the Extension Office. Exhibits without supporting information will be dropped a ribbon placing.

- C251-901 Simple Needlework Item** (SF200) (made with yarn or floss)
- C251-902 Simple Fabric Accessory** (SF200) (pillow, pillowcase, laundry bag, table runner)
- C251-903 Simple Accessory made with original batik, dye or pigment** (SF200)
- C251-904 Simple Accessory using Wood** (SF200)

**C251-905 Simple Accessory using Fiber or Wool** (SF200)  
**C251-906 Simple Accessory using Plastic** (SF200)  
**C251-907 Simple Accessory using Glass** (SF200)  
**C251-908 Simple Accessory using Clay or Ceramic** (SF200)  
**C251-909 Simple Accessory using Paper** (SF200)  
**C251-910 Simple Accessory Using Metal Tooling or Metal Punch** (SF200)  
**C251-915 Simple Accessory Made by Weaving** (SF200)  
**C251-911 Bulletin or Message Board** (SF200)  
**C251-912 Color Wheel (Be Creative)** (SF200)  
**C251-913 Table Accessories** (SF200) set of 2 or more (such as: placemats, napkins, napkin rings, potholders, coasters, mug rugs, etc.)  
**C251-914 Chore Chart** (SF200) make and complete for 1 month showing how each chore was marked off the list when completed.  
**C251-916 Fire Escape Plan** (SF200) refer to information in the manual.  
**C251-917 Room Floor Plan** (SF200) following instructions given in the manual.  
**C251-918 Tornado Safety Plan** (SF200)  
**C251-919 Disaster or Emergency Kit** (SF200) for the home.  
**C251-920 Cleaning Kit** (SF200) make a cleaning kit for the home.  
**C251-921 Problem Solved** (SF200) Use creative method to show how you solved a problem (air quality, water, sound, temperature, lighting, fire escape plan, etc.)

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

## **Design Decision**

### **Rules:**

- A supporting information tag is required for all exhibits. Tags can be found on our website or at the Extension Office. Exhibits without supporting information will be lowered a ribbon placing.

**C257-001 Design Board for a Room** (SF201) Include: color scheme, wall treatment, floor treatment, etc. - OR floor plan for a room – Posters, 22 inches x 28 inches. Show what you learned with before and after pictures or diagrams, samples, story, cost comparisons, optional arrangements, etc.  
**C257-002 Problem Solved, Energy Savers OR Career Exploration** (SF201) 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, or other method, describe the problem and how it was solved OR your career exploration. (pages 74-93)  
**C257-003 Solar, Wind or Other Energy Alternatives for the Home** (SF201) Can be models, either an original creation or an adaptation of kit. If kit, label and explain what was learned and how the item could be used in or on the exterior of home. (pages 74-93)  
**C257-004 Technology in Design** (SF200) Incorporate technology into a project related to home environment or use technology to develop the design; for example, using conductive thread to create a circuit that enhances a wall hanging or create the design with a 3D printer.  
**C257-006 Window Covering** (SF200) May include curtains, draperies, shades, shutters, etc. May be exhibited as a poster.  
**C257-007 Floor Covering** – May be woven, braided, painted floor cloth, etc.  
**C257-008 Bedcover** (SF200) May include quilt, comforter, bedspread, dust ruffle, canopy, etc. For quilts, state who did the quilting. (No fleece-tied exhibits) (pages 50-53)  
**C257-009 Accessory** (SF200) **Original Needlework/Stitchery**  
**C257-010 Accessory** (SF200) **Textile 2D** (tablecloth or runner, dresser scarf, wall hanging, etc. No tied fleece blankets or beginning/10-minute table runners.)  
**C257-011 Accessory** (SF200) **Textile 3D** (pillows, pillow shams, fabric bowls, etc.) NO FLEECE TIED EXHIBITS  
**C257-012 Accessory** (SF200) **2D**  
**C257-013 Accessory** (SF200) **3D** (string art, wreaths, etc.)  
**C257-014 Accessory Original Floral Design** (SF200)  
 For classes 15-18, determine entry by what medium was manipulated.  
**C257-015 Accessory Original made from Wood** (SF200) burn, cut, shape or otherwise manipulate.  
**C257-016 Accessory Original made from Glass** (SF200) etched, mosaic, stain, molten or otherwise manipulate.  
**C257-017 Accessory Original made from Metal** (SF200) cut, shape, punch, sculpt, reassemble or otherwise manipulate.  
**C257-018 Accessory Original made from Ceramic or Tile** (SF200) Treatment to exhibit must go through a process that permanently alters the medium Painting alone is not sufficient.  
**C257-019 Accessory Recycled/Upcycled Item** (SF207) for the home- reuse a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information. Reuse the item.  
**C257-020 Furniture Recycled/Remade** (SF207) made or finished by using a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information.  
**C257-021 Furniture Wood Opaque Finish such as Paint or Enamel** (SF203)

**C257-022 Furniture Wood Clear Finish showing Wood Grain (SF203)**

**C257-023 Furniture Fabric Covered (SF200)** May include stool, chair seat, slipcovers, headboard, etc.

**C257-024 Furniture Outdoor Living (SF200)** Furniture made/refurbished suitable for outdoor use. (NOTE: will be displayed outside at the State Fair). Include description of what was done to recycle or reuse item in your attached information.

**C257-025 Accessory Outdoor Living (SF200)** Accessory made/refurbished suitable for outdoor use. (NOTE: May be displayed outside.) Include description of what was done to recycle or reuse item in your attached information.

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

**Home Antique Restoration**

**Rules**

- This project area is for items with historic, sentimental or antique value that are restored, repurposed or refinished to keep their original look and value. It is not for "recycled" items. For example, a bench would be considered an heirloom if the original finish is restored, but if decorated by painting it would be considered recycled. Entering highly valuable items (especially small ones) is discouraged, as exhibits are not displayed in closed cases.
- NOTE: Resources to support this project area are available on the 4-H website. A supporting information tag is required for all exhibits. Tags can be found on our website or at the Extension Office. Exhibits without supporting information will be dropped a ribbon placing. Attach information including:
  - how you acquired the item, and the history of the item may be written with pictures included.

**C256-001 Trunks (SF206)** including doll-sized trunks or wardrobes.

**C256-002 Article either a repurposed "treasure" (accessory) from an old item or an old "treasure" (accessory) refinished or renovated (SF205)** May include a display of a collection or collectibles, being careful not to destroy the value of the collection.

**C256-003 Furniture (SF205)** either a repurposed "treasure" from an old item or an old "treasure" refinished or renovated. May include doll-sized furniture.

**C256-004 Cleaned and Restored Heirloom Accessory or Furniture (SF205)** A reconditioned and cleaned old piece of furniture or accessory that is functional for use or display. Item might be cleaned and waxed, and simple repairs made. Item would not be refinished or repainted but reconditioned to restore it to its original look or to prevent it from further damage as a valuable heirloom. Consult extension publication Care and Conservation of Heirloom Textiles for information on textiles. This publication can be found in the Digital Commons at: <https://go.unl.edu/gchh>, (Refinished items go in classes 2 - 3.) This class is for situations where it may be best to do very little to the item to maintain its antique value. Item or article should be of complexity suited to an advanced project.



**Quilt Quest**

**EXHIBIT GUIDELINES**

In Quilt Quest, 4-H members learn skills as they progress through the project. The least experienced 4-H member 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. If someone else does binding, the quilt must be entered in the intergenerational class.

In the Premier class, the 4-H member 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 member must finish the quilt by "squaring it up," put binding on the edge, and placing a label on the quilt which provides details about the quilt-making process for historical purposes.

**Rules:**

- Please note the description of classes, which denote the degree of difficulty in construction and not the number of years in the project. A quilted exhibit consists of three or more layers. All quilted exhibits must be quilted (machine or hand) or tied. All quilt piecing and finishing must be the sole work of the 4-H member. Quilting, whether machine or hand quilted, may be done by another individual, except for the Premier Quilt class. No pre-quilted fabric may be used. Wall quilts must have a hanging sleeve on the back of the quilt or some method for hanging. All quilted exhibits must be clean and finished for intended purpose.
- Supporting Information: On a half sheet of 8.5 inch x 11 inch paper, include an explanation answering the following questions:
  - How and why did you select the design?
  - Why did you select the materials and what materials did you use?
  - Explain what you did and what was done by others.
  - What did you learn that could be used on your next project?
- Exhibits without supporting information will be lowered a ribbon placing.
- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

- 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 members can choose fabrics for the quilt by selecting fabric from fabric bolts. 4-H members 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 inch 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 complements each other. In many cases, less skilled 4-H members 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 Jelly Rolls with 1.5 inch strips of fabric.
  - **Layer Cakes** are 10-inch 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-inch 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-inch triangles.
  - **Fat Quarters** are ½ yard cuts of fabric which are cut in half to make a rectangle that is approximately 18 inches x 21 inches. (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 members 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 various shapes which can be applied to fabric. This is allowed in the construction of the quilt.
  - A quilted exhibit is made up of at least three layers. Exhibits must be quilted or tied through all layers.
  - Fleece blankets are not eligible in this division.
  - Quilts must have a permanent label on the back in the bottom right corner with quilter’s name and date of completion.

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

## **Barn Quilts**

Rules: Classes C229-021, C229-022, C229-020

- Supporting information is required for this exhibit. On a half sheet of 8.5 inch x 11 inch paper, include an explanation answering the following questions: How and why did you select the design?
  - How and why did you select the design?
  - How and why did you select the color choices(s)?
  - Explain what you did and what you learned by doing this project.
 Exhibits without supporting information will be dropped lowered a ribbon placing

**C229-021 Barn Quilt** (SF208B) created that is less than 4 feet x 4 feet.

**C229-022 Barn Quilt** (SF208B) created that is 4 feet x 4 feet or larger.

## **Exploring Quilts**

**C229-010 Exploring Quilts** (SF208C) Illustrates some aspects of quilts or quilt making. Examples include, but are not limited to, language arts, quilts of different cultures, chemistry, design, preservation, history, and construction, math-conversion of quilt patterns, textiles/fabrics, computerization, and entrepreneurship. History may include history of an old quilt or history/research of a particular style of quilt such as Baltimore album quilts or Amish quilts. Exhibits may be a 14 inch x 22 inch poster, three ring notebook that is 8.5 inches X 11 inches, or the use of a digital platform. Multi-media presentations and exhibits are to be uploaded to a video streaming application and 4-H member must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing. All items in an exhibit must be attached together and labeled. No quilted items should be entered in this class.

**C229-030 Computer Exploration** (SF208C) Exhibit may be a 14 inch X 22 inch poster or three-ring notebook that is 8.5 inches X 11 inches, with a minimum of six computer generated quilt designs or color variations on a quilt design. Include information on the type of program used, process used to generate designs, or how you used color to create different quilt designs.

## **Quilt Design Other than Fabric**

**C229-020 - Quilt Design Other Than Fabric** (SF208B) Two or three-dimensional item with quilt design made using medium other than fabric, such as wooden quilt block, stained glass, paper, etc.

## **Quilted Exhibits**

Rules: Classes 229-040, 229-042, 229-50-72

- Supporting information is required for this exhibit. On a half sheet of 8.5 inch x 11 inch paper, include an explanation answering the following questions:

- How and why did you select the design?
- Why did you select the materials and what material did you use?
- Explain what you did and what was done by others.
- Explain what you learned that could be used on your next project?
- Exhibits without supporting information will be dropped lowered a ribbon placing

**C229-040 Wearable Art (SF208A)** Quilted clothing or clothing accessory which must have a recognizable amount of quilting and may include fabric manipulation. Quilting must be done by the 4-H member. On a half sheet of 8.5 inch x 11 inch paper include an explanation answering the following questions:

- How and why did you select the design?
- Why did you select the materials and what materials did you use?
- Explain what you did and what was done by others.
- What did you learn that could be used on your next project?

**C229-041 Inter-Generational Quilt (SF208E)** A quilt made by a 4-H member and family members or friends of different generations. On a half sheet of 8.5 inch x 11 inch paper include an explanation answering the following questions:

- How was the quilt planned and who did what in the construction of the quilt?
- How did you select the design and fabrics including whether or not you used a kit, jellyroll, charm squares, etc.
- What did you learn that you can use on the next project?

**C229-042 Service Project Quilt (SF208D)** A quilt constructed by a 4-H member or group to be donated to a worthy cause. On a half sheet of 8.5 inch x 11 inch paper, include an explanation answering the following questions:

- Why was the quilt constructed and who will receive the donated quilt.
- How did you select the design and fabrics including whether or not you used a kit, jellyroll, charm squares, etc?
- What did you do and what was done by others?
- What did you learn that you can use on your next project?

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

**Classes 50 – 52 (SF208A)**

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

**Class C229-050** Small - length + width = less than 60 inches. This size includes miniature quilts, wall hangings, table runners, placemats (4), and pillows. All items must be quilted. Pillows must have a quilted top, not just pieced patchwork.

**Class C229-051** Medium - length + width = 61 inches to 120 inches

**Class C229-052** Large - length + width = over 120 inches

**Classes 60 – 62 (SF208A)**

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

**Class C229-060** Small - length + width = less than 60 inches. This size includes miniature quilts, wall hangings, table runners, placemats (4), and pillows. All items must be quilted. Pillows must have a quilted top, not just pieced patchwork.

**Class - C229-061** Medium - length + width = 61 inches to 120 inches

**Class - C229-062** Large - length + width = over 120 inches

**Classes 70 – 72 (SF208A)**

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

**Class C229-070** Small - length + width = less than 60 inches. This size includes miniature quilts, wall hangings, table runners, placemats (4), and pillows. All items must be quilted. Pillows must have a quilted top, not just pieced patchwork.

**Class C229-071** Medium - length + width = 61 inches to 120 inches

**Class C229-072** Large - length + width = over 120 inches

**Premiere Quilt**

**Rules:** Classes: C229-080, C229-081, C229-082, C229-083

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

- Supporting information is required for this exhibit. On a half sheet of 8.5 inch x 11 inch paper, include an explanation answering the following questions:
  - How and why did you select the design?
  - Why did you select the materials and what materials did you use?

- Explain what you did and what was done by others.
- Explain what you did and what you learned by doing this project that could be used on your next project.

- Exhibits without supporting information will be dropped lowered a ribbon placing

**C229-080 Hand Quilted** (SF208A)

**C229-081 Sewing Machine Quilted** (SF208A)

**C229-082 Premiere Quilt: Long Arm Quilted** (SF208A) non computerized/hand guided.

**C229-083 Premiere Quilt: Arm Quilted** (SF208A) computerized.

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

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

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

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

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

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

## Visual Arts

Superintendent: Jackie Johnson



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

### Rules

- 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
- Ready for Professional Display - All exhibits must be presented appropriately for the medium(s) used and ready to be professionally displayed. two-dimensional pieces on paper should be framed behind glass/plexiglass. Canvas boards should be framed but glass/plexiglass is not necessary. Stretched canvases do not need frames as long as staples are not visible on the edges. All two-dimensional pieces should be ready to hang using a sawtooth or wire hanger.
- Entries per Exhibitor: 4-H members may enter one exhibit per class.  
Entry Descriptions: Entry tags should include a visual description of the exhibit, including such size, dominant color, and subject to aid in identification.
- **Supporting Information:** A Visual Arts Supporting Information Tag is required for all Visual Arts exhibits. Information must include elements or principles of design used and steps taken to complete the project. The Visual Arts Supporting Information Tag can be found on our website. Exhibits with missing or incomplete supporting information will be lowered a ribbon placing. Supporting information may provide evidence or justification for the piece being entered in a specific class.
- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

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

## Visual Arts Mediums

### Rules:

- Use techniques from manual or comparable techniques.
- A supporting information tag is required for all exhibits. Tags can be found on our website or at the Extension Office. Exhibits without supporting information will be lowered a ribbon placing.

**C260-001 Original Acrylic Painting** (SF200)

**C260-002 Original Oil Painting** (SF200)

**C260-003 Original Watercolor** (SF200)

**C260-004 Original Pencil Drawing** (SF200)

**C260-005 Original Charcoal Drawing** (SF200)

**C260-006 Original Ink Drawing** (SF200)

- C260-007 Original Fiber Art** (SF200) Could include weaved art, dyed fabric, felted wool, cotton linter, batik, etc.
- C260-008 Original Sculpture** (SF200) Could include Styrofoam, wood, cardboard, paper, metal, wire, etc.
- C260-009 Original Ceramic Pottery** (SF200) No purchased ceramic pottery. Must be glazed and fired. May be any hand-built technique or wheel thrown. May be functional or non-functional. Could include slab built, pinch pots, coil built, wheel thrown, etc.
- C260-010 Original Painting on Purchased Ceramic Surface** (SF200) No hand-built or wheel-thrown pottery. May be functional or non-functional. Could include figurines, cups, bowls, etc.
- C260-011 Original Single Media Not Listed** (SF200) Could include digital art, leathercrafting, printmaking, stained glass, pastels, scratchboard, sand painting, encaustic painting, chalk, etc.
- C260-012 Original Mixed Media** (SF200) Could include any combination of two or more other mediums or materials.

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

**Visual Arts Themes**

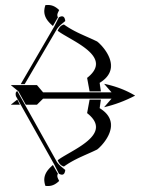
Rules: Exhibits may utilize any medium or combination of mediums on any surface. All exhibits must be appropriately presented and ready to be professionally displayed. Artwork should depict the artist's own interpretation of the theme. All exhibits should include an explanation of how the piece reflects the theme and what ideas or thoughts the artist was attempting to express or communicate. A supporting information tag is required for all exhibits. Tags can be found on our website. Exhibits without supporting information will be lowered a ribbon placing.

- C261-001 Original Art Inspired by Plants or Animals** (SF200) could involve but is not limited to domestic animals, pets, agriculture, wild animals, wildlife conservation, house plants, fruit, vegetables, flowers, native plants, trees, etc.
- C261-002 Original Art Inspired by Landscapes** (SF200) could involve but is not limited to rural landscapes, natural environments, man-made environments, urban landscapes, extraterrestrial landscapes, oceanic scenes, buildings, fantasy landscapes, agricultural landscapes, etc.
- C261-003 Original Art Inspired by People** (SF200) could involve but is not limited to cultural art, modern society, portraits, daily life, careers, families, emotions, etc.
- C261-004 Original Art Inspired by Artist's Choice** (SF200) could involve but is not limited to food, cars, fantasy worlds, imaginary characters, science-fiction, history, etc.

***Environmental & Earth Science***  
 Superintendent: Lynelle Johnson

**Conservation & Wildlife**

Conservation, Wildlife and Shooting Sports gives 4-H members an opportunity to share their knowledge and field experience about conservation, wildlife, and shooting sports. All exhibits must follow all respective state and national laws relating to conservation, wildlife, and shooting sports.



**RULES**

- **No FIREARMS, ITEMS WITH A BLADE** (broad heads, knives, saws, etc.) or related items of any kind may be exhibited. This applies to actual items, replicated times and item parts. Photos are a suitable substitution for actual items.
- **Show What You Did and Learned:** All 4-H members must show evidence of their personal field experiences, research or observations that relate to their exhibit. This helps judges understand what the 4-H member did and learned in the process that led to the exhibit.
- **Proper Credit:** Show proper credit by listing the sources of plans or other supporting information used in exhibits.

Example to attach to your exhibit

**Name:** Chris Clover  
**County:** Clover County  
**Age:** 10

**Field Experience, Study, or Observations:**

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

**Credits/Source:**

Information was obtained from Nebraska Game & Parks website

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- **Exhibitor Info:** The 4-H member's name, county, and age must be on the back or bottom of all displays.
- **Wildlife and Wildlife Laws:** "Animal" or "wildlife" in the following classes includes wild fish, amphibians, reptiles, birds, or mammals. Domestic animal (i.e. domestic livestock or house pets) and insect exhibits are not appropriate for this area. 4-H members must comply with current state and federal laws. It is illegal to possess threatened, endangered, or protected wildlife, or the feathers, nests or eggs of non-game birds. These items cannot be part of an exhibit. Game birds and game animals taken legally during an open season may be used.

- **Project Materials:** Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 59381), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H 125), Geology, and Outdoor Adventure. Other resources include: Outdoor Skills: Learning Science in the Outdoors series (Science Signature Outcome Program) [outdoornebraska.gov/afterschool/](http://outdoornebraska.gov/afterschool/) and [www.whep.org](http://www.whep.org).
- **Exhibit Size Guidelines:** A) Board and Poster Exhibits: Mount all board exhibits on ¼ inch plywood, Masonite, or similar panel no larger than 24 inches high by 24 inches wide. Poster exhibits should be on regular poster sheets, no larger than standard size (22 inches by 28 inches) but half size, 22 inches X 14 inches, is recommended. B) All Other Exhibits: Exhibits other than poster/display board should not exceed 48 inches X 48 inches and be able to be moved by two people. Large Exhibits (larger than previously listed) must be suited and prepared for outdoor exhibition. If large exhibits are not suited for outdoor exhibition, youth have the option to create a poster or another suitable substitute for the exhibit, instead of exhibiting the project itself.
- Eligibility: All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

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

### Harvesting Equipment

**D343-001 Fish Harvesting Equipment** (SF168A) Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: the purpose of each item, when or where each item is used and any personal experiences you've had with the item(s).

**D343-002 Build a Fishing Rod** (SF170A) Rod building kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches in length. Exhibit must be mounted on a board. Included with the exhibit: Explanation of cost of materials/components, where materials/components were purchased, and how many hours required for construction. Label all parts. Necessary components which must be included are grip, line guides (based on manufacturer specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down the rod. Guide wraps of size A to D, nylon or silk thread. Exhibits will be judged on: workmanship, labeling of parts, information, and neatness.

**D343-003 Casting Target** (SF170A) Make a casting target for exhibit and use. Target must be under 48 inches x 48 inches. The bullseyes must be 2 feet, the outer band must be 1 foot in diameter and can have up to 3 rings. The exhibit must be easy to store, durable, and weather resistant. Include the purpose and rules of using your casting target.

**D343-004 Wildlife Harvesting Equipment Board Exhibit** (SF168A) Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed: the purpose of each item, when or where it is used and any personal experiences you have had with the item(s).

**D343-005 Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory** (SF168A) Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype and any adjustments you made.

### Other Natural Resources

**D361-001 Design Your Own Exhibit in Natural Resources, Conservation, Geology or Ecology** (SF171) This class is for educational exhibits relating to natural resources, conservation, geology, or ecology only. Entries must be appropriate for fair display and no larger than 24 inches x 24 inches. 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 the 4-H members' personal experiences and learning.

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

### Outdoor Adventures - Level 2

**D341-001 Poster** (SF281) Topics may include, but not limited to one or more of the following; how to pitch a tent, knot tying, cooking over a campfire, how to start a campfire, wildlife and plants identified while camping, how to set up emergency shelter, dealing with weather, collection of photos from camping trips, "Leave No Trace" and how that was followed while camping, plan a camping trip, camping essentials, environmental issues/protecting natural resources, park or trail clean up, sanitation/hygiene while outdoors or use of GPS.

**D341-002 Journal/Binder** (SF281) Written report of virtual or actual camping/hiking trips with observations OR field journal (notes of actual experiences, sights, sounds, smells, etc.), OR camping or hiking trip diary. Explain growth in project, leading the hikes, planning the camping trip, now being able to identify the wildlife and nature around you and how identified (sight/sound/shape/smell/color). Feathers/leaf/flower pressings must be securely attached, if included. Photos of drawing of observations encouraged. Exhibits measure no larger than 16 inches X 16 inches.

**D341-003 Camping/Hiking Safety** (SF281) Must include explanation of use of item and why selected/purpose, how it fits hiking/camping needs. May include, but are not limited to, one of the following: travel sized poisonous plants guide, camping first aid kit, weather/water safety or hand hygiene kit.

**D341-004 Digital Media** (SF281) Use digital media to show video/slideshow/presentation of setting up a tent (including 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 the report cover or notebook.

**D341-005 Other Camping Items** (SF281) Must include what inspired the creation of the item, and its purpose. May include, but are not limited to one of the following; nature art, nature haiku poem, spider web sketches or knot display.

### Outdoor Adventures Level 3

**D341-006 Poster** (SF281) Topics may include but not limited to one of the following; Topographic map, backpacking trip plan, camp layout, plan an expedition (can be dreamed or lived), collection of photos from your expedition, trails hiked, cost comparison of rental vs purchase or using GPS/compass.

**D341-007** (SF281) **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 inches X 16 inches.

**D341-008 Expedition Safety** (SF281) Must include an explanation of use of items, why selected/purpose of item, how it meets hiking/camping/expedition needs. May include but are not limited to; travel sized edible plants, creepy crawly guide, tent repair kit, travel first aid kit or weather/water safety.

**D341-009 Digital Media** (SF281) Use digital media to show video/slideshow/presentation of one of the following, but not limited to; building a non-tent shelter (include why needed), packing your backpack/equipment and getting it onto you, teaching others about environmental issues or a computer video backpacking expedition game. Submit a USB drive or DVD inside a report cover or notebook. If using a slideshow, include printed slides inside a report cover or notebook.

**D341-010 Other Expedition Items** (SF281) Must include what inspired the creation of the item, and the purpose of the item. May include, but are not limited to; nature art, nature cinquain poem, backpacking food recipes, hiking/expedition conditioning plan, charcoal etching, dehydrated meal or snack (at least 1 cup displayed in a resealable plastic bag with ingredients, instructions, and nutritional facts included). Exhibits measure no larger than 18 inches X 24 inches.

### **Shooting Sports Rules**

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

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

### **Shooting Sports Exhibits**

#### **Rules:**

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

**D347-001 Shooting Aid or Accessory** (SF253A) Any item that helps the shooter/ hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc... Include your design or plans you adapted, what the item is and used for.

**D347-002 Storage Case** (SF253A) 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.

**D347-003 Practice Game or Activity** (SF255A) Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials of 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.

**D347-004 Science, Engineering, Technology Advancements of Shooting Sports, Conservation, or Wildlife Essay or Display** (SF256A) 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 8.5 inch x 11 inch paper.

**D347-005 Healthy Lifestyles Plan** (SF257A) Include a shooter's (hiker's, camper's, anglers) 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.

**D347-006 Citizenship/Leadership Project** (SF258A) Share a display on a citizenship project or leadership project the 4-H member took on individually or with a group to improve some aspect related to 4-H Shooting Sports, Conservation, or Wildlife. Examples could be range development, conservation planting to attract wildlife, a camp, 4-H recruitment event. Include who benefitted from the project, what the 4-H member's role was, and any results.

**D347-007 Career Development/College Essay, Interview or Display** (SF252A) 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.

**D347-008 Community Vitality Display** (SF251A) Explore the difference shooting sports, conservation, fishing, and hunting make in keeping Nebraska vibrant especially in rural areas. Present facts and research in an interesting way for the public.

**D347-009 Ag Literacy-Value Added Agriculture Interview or Research Project** (SF250A) Explore how traditional ag producers are adding value to their production agriculture operations through conservation efforts, hunting, raising pheasants, shooting sports-related tourism, etc. Present findings in an interesting way for the public.

**D3347010 Shooting Sports Educational Exhibit or Display** (SF254A) – Create an educational exhibit or display relating to a topic about Shooting Sports. Displays involving firearms or bows may be exhibited as a photographic display on a poster or in a notebook. Handmade items must include information explaining how the item was made and its intended use. Photos are encouraged.

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

### Taxidermy

**D346-001 Tanned Hides** (SF172A) Exhibit of a wild animal hide properly processed by the member. No requirement as to mounting but must meet the size requirement listed under General Rules. MUST include the animal's name and the following: information about the 4-H member's personal field experiences, study, or observations that relate to the exhibit.

**D346-002 Taxidermy** (SF172A) Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to mounting but must meet the size requirement listed under General Rules. Include the animal's name and the following: information about the exhibitor's personal field experiences, study, or observations that relate to the exhibit.

PREMIUM	Purple	Blue	Red	White
Classes 1-5	\$4.00	\$3.00	\$2.50	\$2.00
Classes 6-11	\$5.00	\$4.00	\$3.50	\$3.00

### Wildlife and How They Live

#### Rules:

- Classes 1-4 are board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation. For more ideas, refer to project booklets.
- Remember to look at General Rules for this area.

**D340-001 Mammal Display** (SF157A) Choose one mammal from the wild and share on your display about the mammal. Examples include life history, behavior, habitat or other interesting facts.

**D340-002 Bird Display** (SF157A) Choose one bird from the wild and share on your display about the bird. Examples include; life history, behavior, habitat, or other interesting facts.

**D340-003 Fish Display** (SF157A) Choose one fish from the wild and share on your display board about fish. Examples include; life history, behavior, habitat or other interesting facts.

**D340-004 Reptile or Amphibian Display** (SF157A) Choose one reptile or amphibian and share on your display about the reptile or amphibian. Examples include; life history, behavior, habitat, or other interesting facts.

**D340-005 Wildlife Connections** (SF157A) 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.

**D340-006 Wildlife Tracks** (SF158A) Board or diorama-type box exhibit. Make a display of animal tracks using casting plaster.. There are three 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 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 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 a picture or illustration of the animal.

**D340-007 Wildlife Knowledge Check** (SF157A) Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports-related knowledge. Plan size and shape to fit transportation and display; maximum size 24 inches x 24 inches.

**D340-008 Wildlife Diorama** (SF160A) Exhibit must be no larger than 24 inches x 24 inches. The exhibit might show a grassland, prairie, agricultural, woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: show an area interspersed with several habitats such as windbreaks, farm fields, woods, waste areas, ditches, and pastures for edge-adapted species such as White-tailed Deer, Northern Bobwhite, Mourning Doves, Cottontail Rabbits, Fox, squirrels, Northern Cardinals, or Blue Jays. Label the habitats displayed and show at least five kinds of wildlife in their proper habitats. Remember to include supporting information about the wildlife and habitat that is on display.

**D340-009 Wildlife Essay** (SF161A) Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife. You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder, or at other places. You might write about ethics, proper behavior in the outdoors, hunting, or fishing. The essay is between 100 and 1000 words long and typed, double spaced on 8.5 inches x 11 inch paper. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them.

**D340-010 Wildlife Values Scrapbook** (SF162A) Make a scrapbook about the values of wildlife. Value could include aesthetic, scientific, commercial, game, genetic, and/or ecological topics.

**D340-011 Wildlife Arts** (SF163A) The purpose of this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, and wood carvings, painted duck decoys, or songs or poems written by the 4-H member. Entries must be appropriate for fair display and no larger than 24 inches x 24 inches. 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).

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

## Wildlife Habitat

### Rules:

- Please refer to General Rules for more information.

**D342-001 Houses** (SF165A) Make a house for wildlife. Examples: birdhouse (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, 3) any seasonal maintenance needed and 4) any evidence of your personal observations or experiences. Tips: check OneGuide "Backyard Wildlife Bird Houses and Shelves", G2002

**D342-002 Feeders/Waterers** (SF165A) Make a birdbath or feeder. Examples: seed, suet, or nectar feeders. A squirrel feeder is acceptable but no insect feeders. Include the following information: 1) the kinds of animal(s) for which the water/feeder is intended, 2) where and how the water/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences. Tips: check NebGuide on feeding birds.

**D342-003 Wildlife Habitat Design Board or Poster Exhibit** (SF167A) Choose a backyard, acreage, or farm, and design a habitat plan to meet the food, water, shelter, and space needs of at least three kinds of animals you would like to attract. Draw an outline of the area and show what plants or other habitats will be provided. Indicate how the various parts of your plan provide the desired habitat needs. You might include an aerial photo of the area if you have one.

## *Entomology*



Entomology exhibits give 4-H members the opportunity to demonstrate their knowledge about insects and insect displays. This category has multiple projects that allow 4-H members' to progress over numerous years.

### Rules:

- Specimens in display collections should be mounted properly and labeled with location, date of collection, name of collector, and order name.
- Follow mounting and labeling instructions in the Nebraska 4-H Entomology Manual.
- Boxes are preferred to be 12 inches high X 18 inches wide, and landscape orientation, so they fit in display racks. Purchase of commercially made boxes is allowed.
- All specimens are to be pinned and labeled by the exhibitor.
  - No purchased specimens allowed.
  - No projects over 50 pounds allowed.

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

## Entomology

**H800-001 Entomology Display, First-Year Project** (SF186) Collection to consist of 25 or more different kinds (species) of insects representing at least six orders. Limit one box.

**H800-002 Entomology Display, Second-Year Project** (SF186) Collection to consist of a minimum of 50 kinds (species) of insects representing at least eight orders. Replace damaged or poorly mounted specimens. At least 25 species should be present and dated after July 1 of the previous year. Limit two boxes.

**H800-003 Entomology Display, Third-Year or More Project** (SF186) Collection to consist of a minimum of 75 kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. At least 25 species must be present from after July 1 of previous year. Limit of three boxes.

**H800-004 Special Interest Display or Advanced Insect** (SF187) Educational display developed according to personal interests and/or advanced identification capability. This also is an opportunity to highlight favorite insects in a creative arrangement. Insects should conform to pinning and mounting standards as in Classes 1-3 and be protected in an insect box. Each specialty display should include names of the insects, interesting information about them, and why the display was made. Advanced identification collections should have insects grouped with labels that correspond with identification level (e.g. family, genus, and species). A specialty collection

may consist of insects by taxonomic group (e.g. butterflies, grasshoppers, dragonflies, scarab beetles) or by host, subject or habitat (e.g. insect pests of corn, aquatic insects, insect mimicry, insect galls, insects from goldenrod, insect pollinators, etc.).

**H800-005 Insect Habitats** (SF186) Habitats consist of any hand-crafted objects, made of natural or artificial material which are placed outdoors, and which promote or conserve insects in the environment. Insects may include bee pollinators, butterflies, beneficial insects, etc. A one-page report must accompany the exhibit. Report should include placement, target insect, why materials were chosen, functional design, and indicators of success. See the following resources for reports:

- Nebraska Extension NebGuide: Creating a Solitary Bee Hotel (G2256)
- University of Minnesota: Wild Bees and Building Wild Bee Houses
- National Wildlife Federation: How to Provide Water in Monarch Gardens

**H800-006 Macro Photography** (SF189) Subjects should be insects, spiders or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be either 8 inches x10 inches or 8.5 inches x 11 inches and mounted on a rigid, black 11 inches x 14 inches poster or black matte board. Either orientation is acceptable. No frames allowed. A short caption explaining the subject, printed on white paper, should be glued below the print.

**H800-007 Insect Poster/Display Exhibits** (SF190) Exhibits can be posters or three-dimensional displays, and artistic creativity is encouraged. Posters should be no larger than 22 inches x 28 inches. 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 inch x 28 inch area.

**H800-008 Reports or Journals** (SF191) Reports and journals should be in a three-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.

## Forestry

This category provides 4-H members' an opportunity to prepare displays that show their expertise in many aspects of forestry. Involvement in this category will lead to expansion of seed, twig, wood, leaf, and tree knowledge for 4-H members. In addition, 4-H members will learn more about common Nebraska trees.

### Rules:

- 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. Other helpful forestry references include Trees of Nebraska (EC 92-1774-X), Leafing Out (4-H431) and Plant a Tree (EC 17-11-80). Other reference materials are located in the Nebraska 4-H Share Point under Forestry. The official 2026 Nebraska 4-H Tree List will be found on the Share Point as well.
- Display "boards" must be made from wood or wood composite, e.g. plywood, fiberboard, or masonite, ¼ inch to ½ inch thick and no larger than 24 inches x 24 inches. 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 inches x 24 inches.
- Display "books" must measure no more than 16 inches x 16 inches.
- At least five of the 10 samples in Class 2, 3, 4, and 5 must be from the list of tree species found on the 2026 Nebraska 4-H Tree List. 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* or *Acer plantanoides*. 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.
- Due to the lifting of the quarantine restrictions in the state of Nebraska for all true ash species regarding the threat of Emerald Ash Borer, specimens such as Green Ash and White Ash will be accepted for all collections. Collections containing true ash species will NOT be disqualified from county or state judging.
- 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* or *Acer plantanoides* and the common name is Norway maple. "Emerald Queen" may be included as the variety name, but variety names are not required.
- How well the 4-H member follows written directions is an important factor in judging.
- Eligibility: All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.



## Forestry

**D320-001 Design-Your-Own Exhibit (SF31)** Prepare an educational exhibit about an aspect of trees, forests or forestry that is of special interest to you. Possible topics include paper recycling, grafting fruit or nut trees, proper pruning techniques, and how wildlife are impacted by forests, history about a local arboretum, information about a historical tree in Nebraska, the history of planting windbreaks in Nebraska, etc. The display must be no larger than 24 inches by 24 inches. ORIGINAL photographs, drawings, samples, charts, posters, etc. can be used but include enough information to adequately explain the topic that is being showcased.. This exhibit will need to be substantially different from the other exhibit classes.

**D320-002 Leaf Display (SF32)** The leaf display must include samples of “complete leaves” from at least 10 different tree species. At least 5 of the 10 samples must be from a tree on the 2026 Nebraska 4-H Tree List. The display must include at least two samples of simple leaves, compound leaves, and conifer leaves. Leaves should be pressed, dried, and mounted.

- **Collection:** Collect leaves any time after they have reached full size, usually beginning in early summer. Leaf samples should be in good condition and representative of the average leaves on the tree. Keep in mind that shaded leaves are often much larger than leaves in full sun. Carefully remove leaves from the twig with the entire petiole or rachis intact. After collection, fresh leaf samples can be temporarily stored within the pages of an old magazine, but they should be properly pressed and dried for display. Be sure to record pertinent information during collection and when collecting leaves on private land, remember to get permission. All collections must be done by the 4-H member.
- **Mounting:** Leaves may be displayed in a notebook or on a display board. Any method may be used to mount leaves, e.g. wire, blue, tape, staples, but be sure all their features can be clearly identified.
- **Labeling:** The label for each sample must include:
  - Common name
  - Scientific name
  - Leaf type (i.e. broadleaf, needle-like, etc.)
  - Leaf arrangement (for broadleaf trees; i.e. alternate, opposite, whorled)
  - Leaf composition (for broadleaf trees; i.e. simple, pinnately compound, palmately compound, etc.)
  - Collector's name
  - Collection date
  - Collection location (be specific, including county and other relevant information)
  - If a twig is included with a sample, indicate “twig included” on the label. For example, the twig may be included with an eastern cedar sample because the leaves are very small and difficult to remove from the twig.
- **Supplemental information:** This may include e.g. general uses, common products, fall color, etc., to enhance educational value. These are important factors in judging, and should not exceed three printed pages including citation of sources.

**D320-003 Twig Display (SF33)** The twig display must include twig samples from at least 10 different tree species. At least 5 of the 10 species must be from the 2026 Nebraska 4-H Tree List. The display must include at least two samples of opposite and alternate leaf arrangements from broadleaf trees. The display must include at least two samples each of opposite and alternate leaf arrangements from broadleaf trees.

- **Collection:** Twig samples should be collected during the dormant season (approximately November – March) when the buds are mature but before spring budbreak. Be sure to collect healthy twigs, not diseased or dead twigs. Twig samples must be at least six inches long and exhibit buds. The terminal end of the twig must be included. If present, leaves of deciduous trees should be removed. Leaves of evergreen trees should be retained but be sure the buds are visible... Side branches must be trimmed to less than 1 inch in length. Side branches must be trimmed to less than 1 inch in length. All twig collections must be made by the 4-H member.
- **Mounting:** Twigs must be mounted on a display board. Any method including, wire, glue tape, staples, etc., may be used to mount twigs, but be sure all features can be clearly identified. The non-terminal end must be cut at a slant so the pitch can be seen.
- **Labeling:** The label for each sample must include:
  - Common name
  - Scientific name
  - Leaf arrangement for (broadleaf trees; i.e. alternate, opposite, whorled)
  - Collector's name
  - Collection date
  - Collection location (be specific, including county and other relevant information)
- **Supplemental information:** This may include general uses, common products, fall color, etc. to enhance educational value. These are important factors in judging, and should not exceed three printed pages including citation of sources.

**D320-004 Seed Display (SF34)** The seed display must include seed samples from at least 10 different tree species. At least 5 of the 10 species must be from the 2026 Nebraska 4-H Tree List.

- **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 Norway maple seeds mature in September or October. Seeds samples should be free of insect or disease symptoms. All seed collections must be done by the 4-H member. The focus of this display is seeds; however, species identification by seeds is often greatly aided by including the fruit since some seeds are very difficult to separate from the fruit. Use the following guidelines when preparing this display:

- If the fruit is displayed along with the seeds, clearly label each.
  - Seeds enclosed in a dry, papery fruit (such as maple, ash, and elm) should be left within the fruit to aid in identification.
  - Seeds enclosed in large fleshy fruit(s) (such as apple, mulberry, pawpaw) should be removed from the fruit and displayed without the fruit. Small fleshy fruits that can be dried (such as hackberry) may be displayed, but some see should also be removed from the fruit and displayed alongside the dried fruit.
  - Acorns (oaks) should be left intact to aid in identification.
  - Seeds easily removed from the fruit, such as seeds within husk (walnuts, hickory, buckeye, etc.), a pod (honey locust, Kentucky coffee tree, etc.), or a capsule (poplar, sweetgum, etc.) should be removed from the fruit for display. The fruit may be displayed in addition to the seed.
  - Cones from conifers (pines, spruces, fir, etc) may be displayed along with the conifer seeds.
- **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.
  - **Labeling:** The label for each sample must include:
    - Common name
    - Scientific name
    - Type of fruit (e.g. samara, pod or legume)
    - Collector's name
    - Collection date
    - Collection location (be specific, including county and other relevant information)
  - **Supplemental Information:** This may include general uses, common products, fall color, etc. to enhance educational value. These are important factors in judging, and should not exceed three printed pages including citation of sources.

**D320-005 Wood Display (SF36)** The wood display must include wood samples from at least 10 different tree species. At least 5 of the 10 species must be from the 2026 Nebraska 4-H Tree List.

- **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 four inches by four inches by four inches. Cut surfaces should be sanded to show the grain. Treating samples with a clear finish (no stain) is optional. When power tools are used for collecting, preparing, and mounting samples, assistance from an adult is a must and proper personal protection equipment needs to be utilized by both the adult and the 4-H member. Safety always comes first. All collections must be made by the exhibitor.
- **Mounting:** Samples may be displayed in a variety of ways, e.g. mounted on a display board, displayed in a box or rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.
- **Labeling:** The label for each sample must include:
  - common name
  - scientific name
  - wood type (softwood or hardwood)
  - collector's name
  - collection date
  - collection location (be specific, including county and other relevant information).
- **Supplemental Information:** e.g. common products, wood density, etc., may be included to enhance educational value. These are important factors in judging, and should not exceed three printed pages including citation of sources.

**D320-006 Cross Section Display (SF38)** Display a disc cut from a tree species listed in the 2026 Nebraska 4-H Tree List. The sample must be collected by the 4-H member and within one year of the state fair judging day. When power tools are used for collecting and preparing the cross section, assistance from an adult is a must and proper personal protection equipment needs to be utilized by both the adult and the 4-H member. Safety always comes first. The disc must measure 6 to 12 inches in diameter and 1 to 3 inches thick. The bark should be firmly attached, which may be difficult if the tree was dead when the disc was cut. Sand at least one side of the disc so the grain can be easily seen. If the disc is treated with a clear finish, both sides must be treated to minimize warping. As the disc dries, some cracking or checking can be expected and is allowed.

- **Labeling:** The following parts must be clearly, accurately, and securely attached. Cross sections should be labeled with pins, paper tags, or some other form of identification.
  1. Pith, 2. Heartwood, 3. Sapwood, 4. One growth ring (beginning and end), 5. Cambium, 6. Bark.

A separate label firmly attached to the back of the disc must include: 7. Common name, 8. Scientific name, 9. Tree classification (softwood or hardwood), 10. Age (of the cross section), 11. Collector's name, 12. Collection location (be specific, including county and other relevant information), 13. Collection date

**D320-007 Parts of a Tree** (This project is only for ages 8-11). (SF39) Prepare a poster no larger than 24 inches' x 24 inches that clearly identifies the main external parts of any tree: Trunk, Crown, Roots, Leaves, Flowers, Fruit Buds, Bark. Identifying other internal parts, e.g. phloem, xylem, cambium, annual ring, pith, etc., is optional. Attach a separate label on the back of the poster that includes the 4-H member's name and age.

**D320-008 Living Tree Display (SF40)** Display a living tree seedling grown by the 4-H member from seed in the display container. The seed must be from a species listed on the 2026 Nebraska 4-H Tree List. 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), measured vertically, have drainage hole(s), and a drain pan to catch drainage water. For this display, the 4-H member does not have to be the one to collect the seed, but they will need to plant the seed themselves.

- **Labeling:** A waterproof label must be attached to the pot or to a stake that is in the soil of the pot and include: 1) common name, 2) scientific name 3) seed treatments (if any) 4) planting date 5) emergence date 6) collector's name.
- **Supplemental information about the tree:** Examples include where the seed was collected, growth measurements, uses for that species, etc.,. These may be included in an attached notebook, poster, etc. Supplemental information will enhance the educational value and be an important factor in judging. Supplemental information needs to be attached to either the pot or to a stake that is in the soil of the pot. DO NOT attach supplemental information to the living tree. Supplemental information should not exceed three printed pages. Include citation of sources.

**D320-009 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 24 inches by 24 inches. Original photographs, drawings, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 24 inches x 24 inches 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 4-H members 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: For example 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.

**D320-010 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. For example, 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.
- Include citation of sources

**D320-011 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 such as forest management plans and implementation, placements of fire breaks or fuel breaks around buildings, wildlife preparedness items, etc.

- Supplemental information about wildfire prevention should be attached to the poster: for example 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.
- Include citation of sources.

**D320-013 Tree Planting Project Display** Plant a tree in your community - on private or public property. Prepare a visual display where the 4-H member articulates proper tree planting techniques, and follow up care for the tree after planting, 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. ORIGINAL photographs, drawings, 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 one year before State Fair judging day. 4-H members must obtain permission from necessary authorities and property owners before planting any trees. Diggers Hotline (811) MUST be contacted before planting. Provide documentation that permission was obtained and that Diggers Hotline was contacted.

- **Display:** The following information about the tree must be included in the display:
  - 1. common name
  - 2. scientific name
  - planting location
  - planting date
  - tree source (nursery or store where the tree was purchased)
  - planter's name
  - proper tree planting steps
  - tree care and maintenance (after planting)

Supplemental information about the tree: for example, 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 enhance the educational value and be a factor in judging but should not exceed three printed pages of text.

- Include citation of sources.

## Healthy Lifestyles Education

Superintendent: Regina Farris



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

### Youth in Motion

**E300-901 Health Promotion Poster** (SF122) (over any concept/lesson)

**E300-902 Health Promotion Brochure** (for kids & families, by kids) (over any concept/lesson)

**E300-903 Health Promotion PSA or Video Blurb** Exhibit can be a tape with a 60 sec. PSA or a DVD/Video with a 60 sec. commercial.

**E300-904 Interview** (SF130) of a professional in the health field about topics from the project.

**E300-905 Photo Display** (SF122) of field trip to a recreation center, training table, etc.

**E300-906 Progress Log/Journal/Portfolio** (shows progress in activity levels and nutritious choices throughout the span of the project, can include any relevant educational material the 4-H'er collects, photos, etc.)

**E300-907 Electronic Portfolio or Webpage** (perhaps similar to the hard-copy project above or can be more of an educational tool for others).

**E300-908 Physical Activity File/Book** (like a recipe book except it is an organized collection of game ideas, stretching & strength exercise diagrams, web sites, pages with sports rules, etc.)

**E300-909 Helpings & Servings Investigation** - do a report on serving sizes served in restaurants, at home, etc. Could also do an investigation and report with food labels. Exhibit can be poster or notebook.

**E300-910 Portfolio or Scrapbook of a Community Service Project** (SF122) supporting healthy lifestyles (portfolio that can be passed on to future club members and leaders to use) – build a trail, raise money for equipment, etc.

## Food & Nutrition

The purpose of Food & Nutrition exhibits is to encourage the knowledge about healthy eating and safe cooking practices. This category has multiple projects that allow 4-H members' to progress over numerous years. In addition, 4-H members will learn different types of cooking methods to improve their knowledge of cuisine.



### RULES:

- Supporting Information: Each exhibit must include the recipe. Recipes may be handwritten, copied or typed. Place food on the appropriate sized disposable plate or container and put it in a self-sealing bag. Attach entry tag and recipe at the corner of the bag. For non-food entries, please attach the entry tag to the upper right hand corner of the entry. Additional information including recipes and supplemental information should be identified with the 4-H member's name and county.
- Criteria for Judging: Exhibits will be judged according to score sheets available at the Extension office or at <http://4h.unl.edu/ne4hfood-nutrition>. Make sure to follow all entry instructions required for your exhibit. Incomplete exhibits will be lowered with a ribbon placing.
- Commercially prepared mixes are ONLY allowed in Cooking 201 Creative Mix Class. Prepared baking mixes, biscuit mixes, commercially prepared seasoning mixes for food preservation and other pre-made mixes entered in other categories will be lowered into a ribbon placing.
- Food Projects: Exhibits should be entered using a disposable pan or plate and covered by a plastic self-sealing bag. The Hamilton County Fair is not responsible for non-disposable containers, lost bread boards, china, or glassware.
- Ingredients: Any ingredient that the 4-H member uses must be able to be purchased by the 4-H member. Ingredients such as beer, whiskey, rum, etc. may NOT be used in any recipe file or food exhibit. Exhibits that include alcohol will be disqualified.
- Sourdough is categorized differently than standard yeast breads due to its unique leavening agent and fermentation process and may ONLY be entered in Cooking 201 Baking with Whole Grains, Cooking 401 Family Food Traditions, or Cooking 401 Ethnic Food Exhibit.
- Food Safety: Exhibits are on display for several days. Please think about FOOD SAFETY! Items that require refrigeration will not be accepted, judged, or displayed as exhibits must be safe to eat when entered, whether they are tasted or not. Glazes, frostings, and other sugar based toppings are considered safe due to their high sugar content. Egg glazes on yeast breads

and pie crusts BEFORE baking are acceptable. Eggs incorporated into baked goods and crusts are considered safe. The following food ingredients are considered unsafe for fair exhibits and will be disqualified:

- Egg or cream fillings and cream cheese frostings
- Any meat item including meat jerky, imitation meat bits (bacon bits, pepperoni, etc.)
- Melted cheese on top of food exhibit (cheese mixed into baked goods is considered safe and will be accepted)
- Uncooked fruit toppings (i.e., fresh fruit tart)
- Any bread item prepared or baked using a bread machine should be entered under the Cooking 201 non-Traditional Baked Product. All exhibits made in the Cooking 301 or Cooking 401 projects must have been prepared without the assistance of a bread machine for mixing, raising, or baking of the food item.
- BAKE SALE: A representative sample of all baked goods will remain on display throughout the fair. The remaining portions will be combined into a bake sale in the 4-H café (food stand) after judging on Thursday. Proceeds go to the Hamilton County 4-H Council to be used in running the 4-H program.
- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

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

**Cooking 101**

**E401-901 Cookies** (SF118) (any recipe) Four on a paper plate.

**E401-902 Muffins** (SF124) (any recipe) Four on a paper plate.

**E401-903 No Bake Cookies** (SF121) (any recipe) Four on a paper plate.

**E401-904 Cereal Bar Cookie** (SF120) (any cereal-based recipe made in a pan and cut into 4 bars or squares for serving)

**E401-905 Granola Bar** (SF119) (any recipe) Four on a paper plate

**E401-906 Brownies** (SF117 or SF120)(any recipe) Four on a paper plate.

**E401-907 Snack Mix** (SF116) (any recipe) at least one cup in a self-sealing plastic bag.

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

**General Food**

**E350-001 Food Science Explorations** (SF152) Show the connection between food and science as it relates to food preparation, food safety, food preservation, or food production. Exhibit may be a poster or foam core board (not to exceed 22 inch x 30 inch), computer based presentation printed off with notes pages, if needed, and displayed in a binder, an exhibit display, a written report in a portfolio or notebook. Consider neatness and creativity. (Sourdough is an acceptable exploration in this class.)

**E350-002 Foods and Nutrition Poster, Scrapbook or Phots Display** (SF122) The project should involve a nutrition or food preparation technique or explore a career related to the food industry (caterer, restaurant owner, food scientist, registered dietitian, etc.). This might contain pictures, captions and/or a report to highlight the concept. Exhibit may be a poster or a foam core board (not to exceed 22 inch x 30 inch), a computer-based presentation printed off with notes pages (if needed) and displayed in a binder, an exhibit display, or a written report in a portfolio. Consider neatness and creativity.

**E350-003 Physical Activity and Health Rocks Poster, Scrapbook or Phots Display** (SF122) The project should involve a physical activity or explore a career-related to physical activity or health (personal trainer, sports coach, physical therapist, etc.). This might contain pictures, captions and/or a report to highlight the concept. Exhibit may be a poster or a foam core board (not to exceed 22 inches by 30 inches), a computer based presentation printed off with notes pages, if needed, and displayed in a binder no larger than 8.5 inches x 11 inches,, an exhibit display, or a written report in a portfolio or notebook. Consider neatness and creativity.

**E350-004 Cooking Basics Recipe File** (SF251) A collection of 10 recipes from any source. Each recipe must accompany a complete menu in which the recipe is used. An additional 10 recipes may be added each year the 4-H member is in the project, with year clearly marked on recipes. Display in a recipe file or binder no larger than 8/5 inches x 11 inches. Be sure to include the number of servings or yield of each recipe. Exhibits that include recipes with alcohol (wine, beer, rum, etc.) will be disqualified.

**E350-900 Food Flop** If your food project didn't go as planned, attach a written or typed page explaining what didn't go right, what you learned from this flop and what you will do differently next time.

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

**Cooking 201**

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

**E410-001 Loaf Quick Bread** (SF123) any recipe, at least ¾ of a standard loaf displayed on a paper plate) Quick bread is any bread that does not require kneading or rising time and does NOT include yeast. A standard quick bread loaf measures approximately 8.5 inches x 4.5 inches or 9 inches x 5 inches. If mini-loaf pans are used for the exhibit, two loaves must be presented for judging.

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

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

**E410-004 Healthy Baked Product** (SF124) any recipe, at least ¾ of baked product or four muffins/cookies on a paper plate or in a disposable pan. Recipes must contain a fruit or vegetable as part of the ingredients (Ex. banana bars, cantaloupe quick bread, zucchini muffins, etc.).

**E410-005 Coffee Cake** (SF129) any recipe or shape, non-yeast product - at least ¾ of baked product on a paper plate or in a disposable pan.

**E410-006 Baking with Whole Grains** (SF134) any recipe, at least ¾ of baked product or four muffins/cookies on a paper plate or in a disposable pan. The recipe must contain whole grains as part of the ingredients. (Ex. whole wheat applesauce bread, sourdough, peanut butter oatmeal cookies, etc.)

**E410-007 Non-Traditional Baked Product** (SF133) exhibit must include a food product prepared using a non-traditional method (i.e. bread machine, cake baked in an air fryer, baked item made in microwave, etc.) Entry must be at least ¾ baked product, or four muffins or cookies on a paper plate or in a disposable pan. In addition to the recipe, entry must include supporting information that discusses alternative preparation methods and how it compares with the traditional methods.

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

### Cooking 301

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

**E411-001 Whole Bread** (SF138) any yeast recipe, at least ¾ of a standard loaf displayed on a paper plate.

**E411002 Whole Wheat or Mixed Grain Bread** (SF138) any yeast recipe, at least ¾ of a standard loaf displayed on a paper plate.

**E411-003 Specialty Rolls** (SF138) any yeast recipe, four rolls on a paper plate. May be sweet rolls, English muffins, kolaches, bagels, or any other similar recipe that makes individual portions.

**E411-004 Dinner Rolls** (SF138) any yeast recipe, four rolls on a paper plate. May be cloverleaf, crescent, knot, bun, bread sticks, or any other type of dinner roll.

**E411-005 Specialty Bread** (SF141) any yeast recipe, includes tea rings, braids, or any other full-sized specialty bread products. Must exhibit at least ¾ of a full sized baked product.

**E411-006 Shortened Cake** (SF137) must exhibit at least ¾ of the cake (not 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 allowed in frosting).

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

### Cooking 401

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

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

**E412-002 Family Food Tradition** (SF145) any recipe, at least ¾ of baked product or four muffins or cookies on a paper plate or in a disposable pan. Any baked item associated with family tradition and heritage. Entries must include (A) recipe, (B) tradition or heritage associated with preparing, serving the food, (C) where or who the traditional recipe originated. (Sourdough is acceptable in this class).

**E412-003 Ethnic Food Exhibit** (SF146) any recipe, at least ¾ of baked product or four muffins or cookies on a paper plate. May be baked in a disposable pan. The name of the country, culture or region should be included as part of the supporting information with the recipe, as well as background information about the country or culture the food item is representing. (Sourdough is acceptable in this class).

**E412-004 Candy** (SF147) any recipe, four pieces of candy on a paper plate or 1/2 cup. No items containing cream cheese will be accepted (Example: cream cheese mints). Candy may be cooked or not cooked; dipped, molded, made in the microwave or other methods of candy preparation. Recipes must be included.

**E412-005 Foam Cake** (SF148) original recipe (no mixes) of at least 3/4 of the cake. Foam cakes are cakes that have a high ratio of eggs to flour and fall into three categories: angel food cakes or meringues; sponge or jelly roll cakes; and chiffon cakes. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white allowed in frosting).

**E412-006 Specialty Pastry** (SF143) any recipe, at least 3/4 of baked product or four muffins or cookies on a paper plate or in a disposable pan. Baked items such as pie tarts, puff pastry, phyllo doughs, biscotti, choux, croissants, Danish, strudels. Phyllo dough may be pre-made or from scratch. Pastries made with cream or egg-based fillings will be disqualified.

## Food Preservation

### Rules:

- **Processing Methods:** Current USDA processing methods and altitude adjustments must be followed for all food preservation. Jam, preserves and marmalades, fruit, tomatoes and pickled products must be processed in a boiling water bath. Tomatoes may be processed in a pressure canner. All non-acid vegetables and meats must be processed in a pressure canner. Improperly canned or potentially hazardous food items will be disqualified. Spoiled or unsealed container disqualifies entry.
- **Jars and Lids:** Do not need to be the same brand. Half pint jars may be used for jellies and preserves. The jars are not to be decorated by the 4-H member in any way. Canning jars must be used - others will be disqualified. No one-fourth pint jars allowed. Leave jar rings on for fair display, it helps protect the seal. Two-piece lids consisting of a flat metal disk and a ring should be used. No zinc lids or one-piece lids.
- **Current Project** - Exhibits must have been preserved since the 4-H member's previous year's county fair, and not been exhibited at the previous County Fair.
- **Criteria for Judging** - Exhibits will be judged according to score sheets available at your local Extension office or at <http://4hfairbook.unl.edu/fairbookview.php/rules>. Incomplete exhibits will be lowered a ribbon class. Canned food items not processed according to altitude in the county will be lowered one class ribbon. Check with your local extension office or <https://food.unl.edu/elevation-and-food-preservation> for your county's altitude and how that affects food processing times and pounds of pressure.
- **Labeling:** Jars should be labeled with the name of the food item, name of the 4-H member's, county, and date of processing on the bottom of each jar, print labels from <https://go.unl.edu/canninglabel>. Exhibits containing multiple jars such as a "3 jar exhibit" should be placed in a container to keep jars together. Each bag containing dried foods should also be labeled with the name of the food item, the name of the 4-H member, county and drying date. Multiple dried food exhibits should be secured by a rubber band or "twisty" to keep the exhibit containing the three self-sealing bags together.
- **Recipe/Supporting Information:** Recipe must be included, and may be handwritten, copied or typed. Commercially prepared seasoning mixes are not allowed. Current USDA guidelines for food preservation methods MUST be followed. Suggested sources of recipes include:
  - 4-H Food Preservation Manuals (Freezing, Drying, Boiling Water Bath Canning, Pressure Canning)
  - USDA Guide to Home Canning <https://nchfp.uga.edu>
  - Nebraska Extension's Food Website: <https://food.unl.edu/food-preservation> or Extension publications from other states
  - Ball Blue Book (most recent publication)
- **All exhibits must include the 4-H Food Preservation Card attached to the project as the required supporting information or include following information with exhibit:**
  - Name of product
  - Date preserved
  - Method of preservation (pressure canner, water bath canner or dried)
  - Type of pack (raw pack or hot pack)
  - Altitude (and altitude adjustment, if needed)
  - Processing time
  - Number of pounds of pressure (if pressure canner used)
  - Drying method and drying time (for dried food exhibits)
  - Recipe and source of recipe (if a publication, include name and date)
- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

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

## 4-H Home Food Preservation Series

### Freezing: Unit 1

**E406-001 Baked Item Made with Frozen Produce** (SF155) any recipe, at least 3/4 of baked product or four muffins or cookies on a paper plate or in a disposable pan. Recipe MUST include a food item preserved by the freezing method done by the 4-H member.

Examples include: Peach pie, blueberry muffins, zucchini bread, etc. Supporting information must include both the recipe for the produce that was frozen as part of this project AND the baked food item.

### **Drying: Unit 2**

**E407-001 Dried Fruits** (SF154) exhibit three different examples of three different dried fruits. Place each dried fruit food (6-10 pieces of fruit, minimum 1/4 cup) in separate self-sealing bags. Use a rubber band or "twisty" to keep the exhibit together.

**E407-002 Fruit Leather** (SF154) exhibit three different examples of three different fruit leathers. Place a three-four inch sample of each fruit together in separate self-sealing bags. Use a rubber band or "twisty" to keep the exhibit together.

**E407-003 Vegetable Leather** (SF154) exhibit three different examples of three different vegetable or vegetable/fruit leather combo. Place a 3-4 inch sample of each leather together in separate self-sealing bags. Use a rubber band or "twisty" to keep the exhibit together.

**E407-004 Dried Vegetables** (SF149) exhibit three different samples of three different dried vegetables. Place each food (1/4 cup of each vegetable) in a separate self-sealing bag. Use a rubber band or "twisty" to keep the exhibit together.

**E407-005 Dried Herbs** (SF149) exhibit three different samples of three different dried herbs. Place each food (1/4 cup of each herb) in a separate self-sealing bag. Use a rubber band or "twisty" to keep the exhibit together.

**E407-006 Baked Item Made with Fried Produce/ Herbs** (SF156) any recipe, at least 3/4 of baked product or four muffins or cookies on a paper plate or in a disposable pan. Recipe MUST include a dried produce/herb item made by the 4-H member. 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.

### **Boiling Water Canning: Unit 3**

**E408-001 1 Jar Fruit Exhibit** (SF150) exhibit one jar of a canned fruit. Entry must be processed in the boiling water bath according to current USDA recommendations.

**E408-002 3 Jar Fruit Exhibit** (SF150) exhibit three jars of different canned fruits. May be three different techniques for the same type of product. Examples include: Applesauce, canned apples, apple pie filling, etc. Entry must be processed in a boiling water bath according to current USDA recommendations.

**E408-003 1 Jar Tomato Exhibit** (SF150) exhibit one jar of a canned tomato product. Entry must be processed in a boiling water bath according to current USDA recommendations.

**E408-004 3 Jar Tomato Exhibit** (SF150) exhibit three jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a boiling water bath according to current USDA recommendations.

**E408-005 1 Jar Pickled Exhibit** (SF150) one jar of a pickled and/or fermented product. Entry must be processed in a boiling water bath according to current USDA recommendations.

**E408-006 3 Jar Pickled Exhibit** (SF150) exhibit three jars of different kinds of canned pickled and/or fermented products. Entry must be processed in a boiling water bath according to current USDA recommendations.

**E408-007 1 Jar Jellied Exhibit (SF153)** exhibit one jar of jam, jelly, fruit butter or marmalade. Entry must be processed in a boiling water bath according to current USDA recommendations.

**E408-008 3 Jar Jellied Exhibit** (SF153) exhibit three different kinds of jelled products. Entry may be made up of either pints or half pints. Entry must be processed in a boiling water bath according to current USDA recommendations.

### **Pressure Canning: Unit 4**

**E414-001 1 Jar Vegetable or Meat Exhibit** (SF150) exhibit one jar of a canned vegetable or meat. Include only vegetables or meats canned in a pressure canner according to current USDA recommendations.

**E414-002 3 Jar Vegetable Exhibit**(SF150) exhibit three jars of different kinds of canned vegetables. Include only vegetables canned in a pressure canner according to current USDA recommendations.

**E414-003 3 Jar Meat Exhibit** (SF150) exhibit three jars of different kinds of canned meats. Include only meats canned in a pressure canner according to current USDA recommendations.

**E414-004 Quick Dinner** (SF151) exhibit a minimum of three jars to a maximum of five jars plus menu. Meals should include three canned foods that can be prepared within an hour. List the complete menu on a 3 inch X 5 inch file card and attach to one of the jars. Entry must be processed according to current USDA recommendations.

**E414-005 Jar Tomato Exhibit** (SF150) exhibit one jar of a canned tomato product. Entry must be processed in a pressure canner according to current USDA recommendations.

**E414-006 3 Jar Tomato Exhibit** (SF150) exhibit three jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a pressure canner according to current USDA recommendations.

## **Cake Decorating**

**In order to participate in the cake auction you must have had at least one other entry in the 4-H Healthy Living Department for the 2026 fair. This includes Cooking 101, 201, 301, 401, Food Preservation, or Youth in Motion,**

Cake Decorating exhibits are open to any 4-H'er enrolled in a food project. Awards will be given for Grand Champion and Reserve Champion Cake Decoration.

**CAKE AUCTION:** All decorated cakes will be auctioned to the highest bidder on Thursday night after the awards presentation. To be considered for the auction the cake must have earned at least a blue ribbon when judged. The 4-H member will receive 50% of the proceeds of the selling price from the cake auction. The other 50% will go into the 4-H Scholarship Fund. Checks will be written out to the youth following the fair. Youths must present their cakes at the auction in order to participate. A photograph of the cake will remain on display throughout the fair. No Styrofoam based decorated cake entries will be allowed in the auction. Cakes must be displayed in a cake box with a transparent lid. **Only 1 cake per exhibitor can be entered in the auction. Clover kids are not allowed to participate in the cake auction.**

**Please come to the Ag Auditorium to pick up your cake and carry it to the Farr Building before the opening ceremonies start at 6 pm.**

Limit of 1 cake per class per exhibitor.

Youth are allowed to exhibit in a class for a maximum of two years before needing to advance to a different class.

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

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

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

### **Beginning Division**

**E414-901 Bake and Frost a One-Layer** 8 inches or 9 inches round or square, or 9 inches x 13 inches oblong cake. Decorate with edible items such as candies, pretzels, coconut, etc. Non-edible items (plastic, paper, toothpicks) may not be used on the cake. Do not use decorating tips. **(Open to Jr. 4-H members, 8-10 years old, only)**

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

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

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

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

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

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

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

### **Advanced Division**

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

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

**E414-910 A Two-Layer 8 inch, 9 inch or 10 inch Cake** (may be a baked cake or a form 4 inch tall for each layer) using figure piping, flower made by a lily nail and techniques learned in previous units. Design should be suitable for the size and shape of the cake.

Artificial stamens for flowers, leaves, wire stems and floral tape may be used. All other cake decorations must be edible. Other decorations which may be used on the cake include flowers and leaves hooked to a wire stem.

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

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

**E414-913 Large Decorated Cookie** using advanced techniques.

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

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

**E414-916 Cake Creation** Bake & decorate a cake of any size or # of tiers. Supports, separator plates and pillars may be used. Techniques learned in previous units must be used to decorate the cake. Artificial stamens for flowers, leaves, wire stems and floral tape may be used. All other cake decorations must be edible. The cake can be for any occasion.

## **Disaster Response, Preparedness, and Safety**

**Superintendent: Lynelle Johnson**



Disaster response and preparedness is vital for all Nebraskans. In this category 4-H members have the opportunity to share what they learned about a disaster, how they responded and will have a place to share their successes in disaster recovery. They can also create exhibits about all-terrain vehicles, fire, and tractor safety. In addition, participants can also create informational exhibits about basic safety strategies. Through involvement in this category, 4-H members will be better educated about disaster response and recovery and personal safety and have the knowledge base to educate others about safety. For more resources and materials in this category refer to the resource section at the bottom of the page.

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

### **Rules:**

1. Posters must be no larger than 22 inch x 28 inch.
2. Scrapbooks are to be exhibited in a three-ring binder.
3. Multi-media presentations are to be uploaded to a video streaming application and 4-H member must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.

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

### **Disaster Recovery and Response**

All exhibits in this division are focused on preparing for or responding to a weather-related or man-made disaster.

**E440-003 Disaster Kit (Emergency Preparedness) (SF111)** - Disaster kits must contain the materials to prepare a person or family for emergency conditions caused by a natural or man-made incident. Selection of materials is left to the exhibitor. Family or group kits must have enough material or items for each person. A description of the kit's purpose, the number of people supported, and a list of contents is required. 4-H members are encouraged to test their kit by challenging their family to try to survive using only the materials included for the designated time. If tested, share that experience in kit documentation. Please include an explanation of drinking water needs for your disaster kit. Do not bring actual water to the fair in the kit.

**E4400-007 Disaster Preparedness Learning Experience (SF TBA)** Create a poster, scrapbook or multi-media presentation promoting a preparedness training or a recovery message or response to a weather-related or a man-made disaster. Examples of training could include a first aid or first responder training, a farm safety day camp, babysitting workshop or similar events; scientific experiment related to safety related to a weather-related disaster; or the youth's response to an emergency situation in that disaster event. Documentation should include evidence of your family's or community's preparedness, response or recovery for the disaster topic or training experience.

**E4400-008 Care Package Display (SF182)** 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 or multi-media program to tell about the PROCESS of developing and giving a care package to a recipient who has experienced a weather or man-made disaster. Multi-media presentations are to be uploaded to a video streaming application and 4-H member must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing. Answer the following questions in your exhibit. How did you select the organization? What items did you include in your care package? Why did you select those items? How did it feel to present your care package to the recipient? What did you learn from this experience? Other information that you feel is important about the care package or recipient. Examples of care packages are, replacement toys lost in a disaster for the children, personal hygiene kits for individuals displaced after a disaster, soup in a jar, etc.

**E4400-009 Telling a Story Display (SF TBA)** Exhibit will include three photos to tell a story. Photos should capture the beginning, middle, and end of a single story, project, or even showcasing a weather-related event, or man-made disaster. Display will consist of three 4 inch x 6 inch photos mounted on a single horizontal 11 inch x 14 inch black or white poster or mat board. Include a caption of a few sentences to explain the story the photos are telling.

### **Fire Safety**

**E450-001 Fire Safety Poster (SF269)** This is a home floor plan drawn to scale showing primary and secondary escape routes and where fire extinguishers and smoke detectors are located. Draw every room, including all doors and windows. Use black or blue arrows showing primary escape routes from each room. Use red arrows showing secondary routes to use if the primary routes are blocked. Primary and secondary escape routes must lead outside to an assembly location. Documentation should include evidence the escape plan has been practiced at least four times.

**E450-002 Fire Prevention Poster or Scrapbook (SF268)** Posters or scrapbooks promoting a fire prevention message and be appropriate to display during National Fire Prevention Week or to promote fire safety at specific times of the year (Christmas,

Halloween, 4th of July, etc.). Originality, clarity and artistic impression will all be judged. Do not include live fireworks, matches or other flammable/explosive/hazardous materials. Any entry containing this material will be disqualified.

	PREMIUM	Purple	Blue	Red	White
E440-001 to E440-005		\$5.00	\$4.50	\$4.00	\$3.50

**Safety**

**E440-001 General Purpose First Aid Kit (SF110)** A first aid kit is a good way to organize supplies in an emergency. The kit should be assembled in a container appropriate for use in a home. A description of where the kit will be stored and examples of specific emergencies the kit is designed for should be included in the exhibit. The kit should include a written inventory and purpose statement for included items. Consider items needed to cover the following areas of first aid: airway and breathing, bleeding control, burn treatment, infectious disease protection, fracture care and miscellaneous supplies. Use Citizen Safety manual, 4-H425, pages 6 & 7 for guidance. No purchased first aid kits allowed.

Kits containing any of the following will be automatically disqualified:

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

**E440-002 Specific Purpose First Aid Kit (SF192)**-A first aid kit is a good way to organize supplies in an emergency in a variety of situations and locations. The kit should be assembled in a container appropriate for the kit's intended purpose. Examples could include a kit for a vehicle, recreational vehicle, boat, livestock building, camping etc. A description of where the kit will be stored and examples of specific emergencies expected for that location should be included in the exhibit. The kit should include a written inventory and purpose statement for included items. Items included should be relevant to the kit's purpose. Consider items needed to cover the following areas of first aid; airway and breathing, bleeding control, burn treatment, infectious disease protection fracture care and miscellaneous supplies. Use Citizen Safety manual, 4H 425, pages 6-7 for guidance. No purchased first aid kits are allowed.

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

**E440-005 Safety Experiences Poster or Scrapbook (SF190)** Share a learning experience the youth had related to safety or incident types. 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. Include a detailed description of the experience, the 4-H member's role, some evidence of the 4-H member's leadership in the situation and a summary of the learning that took place. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation lasting up to five minutes.

**E440-006 Careers In Safety (SF191)** The exhibit should identify a specific career area in the safety field and include education and certification requirements for available positions, salary information, demand for the field and a summary of the 4-H member'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 investigators and more. It is recommended that 4-H members interview a professional in the field in their research. Additional research sources might include books, articles, career websites, job-related government web sites or interviews with career placement or guidance counselors. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation lasting up to five minutes.

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

**Citizenship & Entrepreneurship**

Superintendent: Lynelle Johnson



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

## Rules

- Exhibits are entered at 4-H members own risk. We will not be responsible for loss or damage to family heirloom items or any items in this division.
- Displays should not be larger than 22 inches x 28 inches wide. If the size needs to be a different size because the historical item is larger than 22 inches x 28 inches please contact the superintendents for approval. Display collections securely in an attractive container no larger than 22 inches x 28 inches.
- Multi-media presentations are to be uploaded to a video streaming application and a 4-H member must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.
- Supporting Material: All entries must include the following:
  - What did you learn about citizenship while creating this exhibit?
  - References - All 4-H members should reference material sources or supporting information if outside sources were used to create 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 member's name, club and county.
- Eligibility: All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

	PREMIUM	Purple	Blue	Red	White
Classes 1- 10		\$3.50	\$3.00	\$2.50	\$2.00

## Citizenship

**A120-001 Care Package Display** (SF182) 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 multimedia program to describe the PROCESS of developing and giving a care package to a service organization. Multi-media presentations are to be uploaded to a video streaming application and 4-H members must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.

- Include answers to the following questions in your exhibit. How did you select the organization? What items did you include in your care package? Why did you select those items? How did it feel to present your care pack to the organization? What did you learn from this experience? Other information that you feel is important about the care package or organization.
- Some examples of care packages include: backpacks for school supplies, litter pan for animal shelter items, suitcases for abuse shelters or homeless shelters, etc.

**A120-002 Citizenship Game** (SF182) Design a game which could include but is not limited to symbol flash cards, question and answer board or stimulation with props. Clear game instructions and objectives must be included.

**A120-003 Patriotic or Cultural Fine Arts** (SF182) Design art relevant to citizenship using any media.

**A120-004 Public Adventure Scrapbook** (SF182) Describe a 4-H members Public Adventure or Service Learning Activity. Scrapbooks must measure no more than 16 inches x 16 inches.

**A120-005 Public Adventure Poster** (SF182) Describe a 4-H member's 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 inches x 28 inches.

**A120-006 Written or Recorded Stakeholder Interview** (SF182) Follow the outline found in the Public Adventures Curriculum. It may be written or recorded. Upload to a video streaming application and 4-H members must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.

**A120-007 Written Citizenship Essay** (SF182) is designed to promote good citizenship and patriotism in essay form. This essay is open to all age groups. All essays should be 300-400 typewritten words.

**A120-008 For 9th-12th Graders Only: Oral Citizenship Essay** (SF182) Address the theme "Freedom's Obligations" in three-five minutes. No background music, singing or other enhancement allowed. Upload to a video streaming application and 4-H member must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing. Voice tone should be normal and conversational. Attach a copy of the written essay.

**A120-009 Service Items** (SF182) Non-perishable item created for donation. Examples include but aren't limited to lap quilt, Quilt of Valor and homemade toys. Attach 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.

**A120-010 4-H Club Exhibit** (SF182) 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.

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

## Seeing i2i

**A130-001 Cultural Fine Arts** (SF183) Design a piece of art that reflects and symbolizes a culture's unique identity, using the medium of your choice.

**A130-002 How Are We Different? Interview** (SF183) Follow the interview guide in the participant manual on page 3 and reflect on the differences and similarities between you and the person you are interviewing.

**A130-003 Name Art** (SF183) Design a piece of art that symbolizes or explains where your name came from and what it means, using any media.

**A130-004 Family History** (SF183) Create a depiction that highlights a 4-H member's family cultural history or the ethnic composition of your community. Include details about the first settlers, their origins, and evidence of their cultural background that still exists today-such as community or family celebrations, museum exhibits, educational displays, or historical markers.

**A130-005 Cultural Food Story or Essay** (SF183) Share the story of a cultural food that's meaningful to your family. Your entry can be written as a story or essay.

**A130-006 "This is Who I Am" poem** (SF183) Written by the 4-H'er that reflects who they are.

**A130-007 Poster** (SF183) that depicts what the 4-H member has learned through the Seeing i2i Project.

**A130-008 Biography** (SF183) Written about an historical figure who has made a positive impact on our society or who has made a difference in the lives of others.

**A130-009 Play Script** (SF183) Written respectfully about a different culture.

## Entrepreneurship

Entrepreneurship exhibits help 4-H members develop an entrepreneurial mindset. An entrepreneurial mindset is needed to tackle social issues as well as explore new business opportunities.

### Rules

- The 4-H member's name, age, town and county must be listed on the back of the exhibit. If the exhibit is a poster, it must be 14 inches x 22 inches 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.
- All static exhibits must have received a purple at the county fair to advance to the State Fair

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

### Entrepreneurship Investigation

**F531-001 Interview an Entrepreneur** (SF181) Share what you learned from the person about having an entrepreneurial mindset. How have they applied that mindset? Have they started a business? Are they tackling a social issue? How do they deliver excellent customer service? How will what you have learned through this interview change your future plans or ways of thinking about entrepreneurship? The summary of the interview should be typed and with a maximum length of two pages (12 pt. font). Enter exhibit in a folder with fasteners (no slide bars).

**F531-002 Social Entrepreneurship Presentation** (SF181) Prepare a five slide PowerPoint presentation about a social entrepreneurship venture to benefit a group or individual in your community. Social entrepreneurs are people who are in business to help others. Submit a printout of the note pages which show each slide and include an explanation of each slide. Enter exhibit in a folder with fasteners (no slide bars).

**F531-003 Marketing Package** (SF182) (mounted on a 14 inch x 22 inch poster) must include at least three items (examples) developed by the 4-H'er from the following list: business card, brochure, advertisement, business promotional piece, printout of an internet home page, packaging design, signs, logo design, direct mail piece, etc. The marketing package should be for an original business developed by the 4-H'er and not an existing business.

**F531-004 Sample of an Original Product** (SF181) with an information sheet (8 ½ inch x 11 inch) answering the following questions:

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

**F531-005 Photos of an Original Product** (SF181) (mounted on a 14 inch x 22 inch poster) must include three photos of the developed product and a mounted information sheet answering the following questions. If exhibiting in both Class F531-004 and Class F531005, products must be entirely different products.

#### Information Sheet:

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

**F531-006 Entrepreneurship Challenge** (SF181) Take on the entrepreneurship challenge. Entrepreneurship Challenge is open to 4-H members 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. Multi-media presentations and exhibits are to be uploaded to a video streaming application and 4-H members must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.

- Select five (5) challenges from the list below:
  - Sell something
  - Talk to local leaders about entrepreneurial thinking and how it is being applied or could be applied to a current community issue
  - Introduce yourself to a local entrepreneur and take a selfie with them
  - Be a detective! Look for Nebraska-made products and find out more about the business Tour 2-3 entrepreneurial businesses and create a photo story. Investigate what it takes to be an entrepreneur (Skills Assessment ESI 4.1)
  - Make a prototype (sample/model) of a new product idea. Include the prototype or a photo of the prototype
  - Work with a friend to develop a new business idea!
  - Contact your local Extension office to learn about entrepreneurship opportunities.
  - Create an activity to teach others about entrepreneurship (color page, puzzle, game, etc.)



## **Plant Science**

**Superintendent: Sara Willis**

### **Agronomy**

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. Please see General Rules for more details. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

#### **Rules**

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

- A completed Crop Production Worksheet (available at <https://go.unl/cropworksheet>) must accompany grain and plant exhibits or it will automatically be lowered one ribbon placing. The worksheet must include the 4-H member's 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 crop project. The worksheet counts as 50% of the total when judged.
- Worksheet must be the original work of the individual 4-H member or it will be lowered 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 and brought in an appropriate sized box/container for display. Place in a clear container so it can be viewed and displayed.
- Plant exhibits, with the exception of ears of corn, must be the result of the current year's project.
  - Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
  - Grain Sorghum - 4 stalks (cut at ground level and bound together)
  - Soybeans - 6 stalks (cut at ground level and bound together)
  - Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24 inches long.
  - Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level or half size small square bale.

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

- The purpose of the display is to tell an educational story to those that view the display.
- The display is a visual representation (pictures, charts, graphs) no larger than 28 inches wide by 28 inches tall on plywood or poster board.
- The display should be neatly titled. Make sure to label the display with the 4-H member's name, address, and county on the 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 4-H member 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 4-H member's name outside.
- If a display does not have an essay, it will automatically be lowered one ribbon placing

3. Special Agronomy Project - 4-H members experience a crop that is grown, was grown or has the potential to be grown in Nebraska by growing it, researching traits of that crop and determining viability of that crop in the part of the state they live. Each year seeds will be mailed to extension offices or aged classrooms across the state, as ordered by that location. Offices will distribute to 4-H members on a first, come – first serve basis. A different seed will be selected every year. 4-H members will grow seeds in their garden or pots. Written resources materials will be available for youth, in addition to virtual, live or recorded videos/field trips. 4-H members will be eligible to enter an exhibit at both the county and/or state fair in the agronomy project area

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

### **Field Crops** (SF264)

**G750-001 Corn** (includes yellow, white, pop, waxy, or any other type)

**G750-002 Soybeans**

**G750-003 Oats**

**G750-004 Wheat**

**G750-005 Any other crop** (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)

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

**G750-006 Crop Production Display** (SF259) The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, etc.

**G750-007 Crop Technology Display** (SF259) Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.

**G750-008 Crop End Use Display** (SF259) Display information about the uses for a Crop, such as food, feed, fuel or other products. This should not be about the process of crop production but focus on an end product(s).

**G750-009 Water or Soil Display** (SF259) Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil sources.

**G750-010 Career Interview Display** (SF259) The purpose of this class is to allow 4-H members to investigate a career in agronomy. 4-H member 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.

### **Special Agronomy Project**

**Rules:** The crop of the year for 2026 is Popcorn..

**G750-011 Special Agronomy Project Educational Exhibit** (SF259) Educational exhibit based on what was learned from the project. Present information on plywood or poster board no larger than 28 inches wide by 28 inches tall. The 4-H member's name, age, and county must be on the back of the poster or report cover. Refer to Scoresheet SF259 Each display must have a half-page essay (minimum) explaining why the 4-H member chose the area of display and what they learned from their project. Include any references used.

**G750-012 Special Agronomy Project Video Presentation** 4-H member 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 two minutes in length and no more than five minutes in length, appropriate graphics, sound and either a video clip, animation or voice over and/or original video clip. Presentations are to be uploaded to a video streaming application and 4-H member must provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or link on several devices to check for appropriate permissions for public viewing.

**G750-013 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 three stalks (cut at ground level with no roots or soil and bound together)
- Grain Sorghum - four stalks (cut at ground level and bound together)
- Soybeans - six stalks (cut at ground level and bound together)
- Small grains - (oats, barley, wheat, triticale) - sheaf of heads two inches in diameter at top tie with stems about 23 inches long
- Other crops - (alfalfa, sunflowers, millet, etc.) -sheaf of stems three inches in diameter at top tie 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.

## Weed Science

### Rules:

- At least 15 of the specimens must represent this year's work (after the previous county fair to present day). For assistance identifying plants, participants can use the Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains Book.
- Books - Classes 1-2:
  - Plants must be mounted on sheets that are no larger than 14 inches by 14 inches. Proper plant mount should include root as well as stem and leaf tissue. Plants should be glued rather than taped and the mounts should be protected with a clear cover.
  - Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements. Refer to Scoresheet SF261.
  - Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: - Scientific name (in italic or underlined), with authority, - Common name, - County of collection, - Collection date, - Collector's name, - Personal collection number, indicating the order that plants were collected in your personal collection, - Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed neatly.

### Displays - Class 3:

- The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28 inches by 28 inches on plywood or poster board. The display should be neatly titled.
- Make sure to label the display with the 4-H member's name, address, and county on the back side. Explain pictures and graphs clearly and concisely. Refer to Scoresheet SF259.
- Each display must have a one page essay explaining why the 4-H member 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 4-H member's name outside.

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

**F751-001 Weed Identification Book (SF261)** A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plumeless thistle, saltcedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, Bohemian knotweed, or phragmites), and at least three weeds that are a problem primarily in lawns.

**F751-002 Life Span Book (SF259)** A collection of seven perennials, one biennial, and seven annual weeds.

**F751-003 Weed Display (SF259)** The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as interesting information about a weed species, the effects of weed control, herbicide-resistant weeds, what makes a weed a weed, or uses for weeds.

## Range Management

The purpose of this category is to help 4-H'ers identify and collect range plants. In addition, participants will learn the basics of range management, and Nebraska's range. Through the creation of range boards 4-H members will become more proficient in knowledge of Nebraska's range. For more resources and materials in this category refer to the resource section at the bottom of the page.

### Rules:

- Each exhibit must be properly identified with Unit and Class.
- All plant displays and display covers must be the result of the current year's work.
- Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, and grass-like plants) can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2016), Common Grasses of Nebraska (EC170), and Common Forbs and Shrubs of Nebraska (EC118).
- The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection.
- For guidelines on specific projects, refer to appropriate project manuals.
- Books (Classes 1-6): For books, plants must be mounted on sheets that are no larger than 14 inches wide by 14 inches high. Plants should be glued rather than taped and the mounts should be protected with a clear cover. Proper plant mount should include root, as well as stem and leaf tissue. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project requirements. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: Scientific name (in italic or underlined), with authority - Common name. - County of collection. - Collection date. - Collector's name. - Personal collection number, indicating order that plants were collected in your personal collection, - Other information, depending on class selected, i.e., value and

- importance, life span, growth season, origin, major types of range plants. This information should be typed or printed neatly.
- Displays (Class 7): The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28 inches by 28 inches on plywood or poster board. The display should be neatly titled. Make sure to label the display with the exhibitor's name, address, and county on the back side.
- Boards (Classes 8-910): Boards should be no larger than 30 inches wide by 36 inches tall or if hinged in the middle a maximum of 60 inches wide by 36 inch tall. Boards should be adequately labeled.

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

## Books

**D330-001 Value and Importance for Livestock Forage and Wildlife Habitat and Food Book** (SF260) A collection of 12 different plant mounts, with 4 classified as high value, four as medium value, and four 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 2024) on pages three through six. Plants can consist of any combination of grasses, grass-like plants, forbs, or shrubs. Assemble plant mounts in order of high, medium, and low value and importance. Label each plant mount with its value and importance classifications for each of the three areas; Livestock Forage, Wildlife Habitat, Wildlife Food.

**D330-002 Life Span Book** (SF260) A collection of six perennial plant mounts and six annual plant mounts selected from grasses or forbs.

**D330-003 Growth Season Book** (SF260) A collection of six cool-season grass mounts and six warm-season grass mounts.

**D330-004 Origin Book** (SF260) A collection of plant mounts of six native range grasses and six introduced grasses. Introduced grasses are not from North America and often used to seed pastures.

**D330-005 Major Types of Range Plants Book** (SF260) A collection of plant mounts of three grasses, three forbs, three grass-like, and three shrubs.

**D330-006 Range Plant Collection Book** (SF260) A collection of 12 range plant mounts with something in common (i.e. poisonous to cattle, or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.). Include a short paragraph at the front of the book which describes what the plants have in common and why you have chosen to collect them.

**D330-007 Parts of a Range Plant Poster** (SF259) Mount a range plant on a poster board. Label the key plant parts useful for ID and correct for that plant species such as root, branch, cotyledon, petiole, midrib, stem, node, leaf, leaflet, spikelet, collar, ligule, sheath, internode, culm, crown, flower, etc.. Include the plant label in the lower right corner, including the scientific and common name of the plant. 4-H member name and 4-H county on the back of the poster.

**D330-008 Special Study Board** (SF260) A display of the results of a clipping study, a degree of use study or a range site study, etc.

**D330-09 Junior Rancher Board** (SF260) This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management.

## Horticulture



The purpose of Horticulture is to encourage 4-H members to start and maintain vegetable gardens. In addition, 4-H members can participate in planting, growing, and caring for flowers and houseplants. For more information on selecting and preparing your exhibits visit

[https://uofnelincoln.sharepoint.com/:b/s/UNL-IANR4-HYouthDevelopment-Office/EQJM\\_J3hMQ5NjeuTtCH\\_6\\_sB5mdtuCMeyE6LHZtB9G1oYQ?e=9Phnoe](https://uofnelincoln.sharepoint.com/:b/s/UNL-IANR4-HYouthDevelopment-Office/EQJM_J3hMQ5NjeuTtCH_6_sB5mdtuCMeyE6LHZtB9G1oYQ?e=9Phnoe) or

<https://uofnelincoln.sharepoint.com/:b/s/UNL-IANR4-HYouthDevelopment-Office/EXgkqvEhFrJEv1aKleE-v6MBN47Dqsvsw3u4RZaWahffQw?e=bLkfmM>

## Floriculture, Educational Exhibits & Houseplants

### Rules:

#### Floriculture (CLASSES 1-46)

- Classes 1-23: Cut Flower Annuals and Biennials - five stems of a single variety (cultivar) unless otherwise noted in parenthesis.
- Classes 30-46: Cut Flower Perennials - five stems of a single variety (cultivar) unless otherwise noted in parenthesis.
- The cultivar or variety name must be included on all entry cards. Failure to identify the cultivar or variety will lower 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 entered under an incorrect class number or containing an incorrect number of stems will be lowered one ribbon placing. In classes 23, 45 & 46, do not duplicate entries with the already listed classes or entry will be lowered one ribbon placing. For example 4-H'ers with two cultivars or varieties of marigolds can only enter the marigold class and cannot enter the other cultivar or variety in any other class. A perennial is defined as a plant of which the crown overwinters. An annual is a plant that grows from seed each season, whether self-seeded or planted by the gardener. A biennial is a plant that germinates, grows and overwinters as a crown, blooms the following year and dies. Foliage will be considered when the exhibit is judged.
- All three or five stems of cut flowers should be the same cultivar and color, do not mix cultivars and colors. Containers will not be judged; however, they should be CLEAR GLASS CONTAINERS that won't tip over (No plastic containers at State Fair) and of adequate size to display blooms. Any exhibit not in a clear glass container will be dropped one ribbon placing. NO SCREW

ON LIDS OR SCREW ON RINGS AND FLATS MAY BE USED. To hold flowers in place it is suggested to use tin foil or a type of plastic wrap with holes poked into it or frog lids. Containers may not be returned from State Fair.

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

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

### **Floriculture**

Cut Flower - annuals and biennials - five stems of a single variety (cultivar) unless otherwise noted in parenthesis.

Classes 1-23 (SF106)

**G770-001 Aster**

**G770-002 Bachelor Buttons**

**G770-003 Bells of Ireland**

**G770-004 Browallia**

**G770-005 Calendula**

**G770-006 Celosia** (crested or plume) (three stems)

**G770-007 Cosmos**

**G770-008 Dahlia**

**G770-009 Dianthus**

**G770-010 Foxglove**

**G770-011 Gladiolus** (three stems)

**G770-012 Gomphrena**

**G770-013 Hollyhock** (three stems)

**G770-014 Marigold**

**G770-015 Pansy**

**G770-016 Petunia**

**G770-017 Salvia**

**G770-018 Snapdragon**

**G770-019 Statice**

**G770-020 Sunflower** (under three inches diameter - five stems, three inches or more in diameter - three stems)

**G770-021 Vinca**

**G770-022 Zinnia**

**G770-023 Any Other Annual or Biennial** (under three inches diameter - five stems, three inches or more in diameter - three stems)  
(do not duplicate entries in classes 1-22)

Cut Flower - perennials - five stems of a single variety (cultivar) unless otherwise noted in parenthesis.

Classes 30-46 (SF106)

**G770-030 Achillea/Yarrow**

**G770-031 Chrysanthemum**

**G770-032 Coneflower**

**G770-033 Coreopsis**

**G770-034 Daisy**

**G770-035 Gaillardia**

**G770-036 Helianthus**

**G770-037 Hydrangea** (three stems)

**G770-038-Liatris** (three stems)

**G770-039 Lilies** (three stems) (Not Daylilies)

**G770-040 Platycodon**

**G770-041 Rose** (three stems)

**G770-042 Rudbeckia/Black-eyed Susan**

**G770-043 Sedum**

**G770-044 Statice**

**G770-045 Any Other Perennial** (under three inches diameter - five stems, three inches or more in diameter - three stems) (do not duplicate entries in classes 30-43)

**G770-046 4-H Flower Garden Collection of five different cut flowers.** Flowers are to be cut, not potted. Each flower in the collection should be exhibited with the number specified for classes 1-45. Display in a box or other holder not more than 18 inches in any dimension. Boxes will not be returned at the State Fair. Do not duplicate entries in classes 1-45 with any in the group collection.

**G770-901 Flowering Outdoor Potted Plants** – must be blooming or will be disqualified. Identify by listing names of plants on the entry tag or card attached to the container. Must be planted a minimum of six weeks in the display container. Container size is up to individual but entry must weigh under 20#. Must have and provide a saucer to catch drainage water.

**G770-902 Arrangement Fresh Floral Design Bouquet-** Display of flower and greenery must be from your own garden and arranged in an attractive way.

## EDUCATIONAL EXHIBITS (CLASSES 50-53) & HOUSEPLANTS (CLASSES 60-66)

### RULES:

- 4-H members must be enrolled in 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" and NebGuide G837 "Guide to Selecting Houseplants" includes a listing of common houseplants. Containers of annual flowers or annual plants (i.e. petunias, geraniums, and 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.
- Any container plant, (flowering or foliage potted houseplants, dish gardens, fairy or miniature gardens, desert gardens, or terrariums) shall be in containers no larger than 12 inches (use inside opening measurement) in any dimension of length or width. No combination of pots may be used. All potted plants are to be in a one pot container. Any container grown plant in Classes 60-66 that does not follow these guidelines will be dropped one ribbon placing.
- Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H members name, age, county, and years in the project(s) must be on the bottom or back of the container and saucer.

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

### Floriculture Educational Exhibits

**G770-050 Flower Notebook** (SF100) Exhibit a notebook containing pictures of flowers grown in Nebraska. There must be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. 4-H members may show more than one cultivar of the same species, but they will only count as one species. The notebook must be the result of the current year's work. Pictures from garden catalogs, hand drawn pictures, or photographs may be used. Each species/cultivar must be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (for example: needs full sun and dry sandy soil) the species prefers. In addition to this information, bulbs will be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H member's name, age, county, and years in the project(s) must be on the back of the notebook.

**G770-051 Flower Garden Promotion Poster** (SF103) Individual poster promoting flower gardening, size 14 inches x 22 inches either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. as long as they are not three-dimensional. Posters using copyrighted material such as the cartoon "Garfield" will not be accepted. Entry card must be stapled to the upper right-hand corner. The 4-H member's name, age, and county must be on the back of the poster.

**G770-052 Educational Flower Garden Poster** (SF104) Prepare a poster 14 inches x 22 inches x 2 inches (three-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, county, and years in the flower project(s) must be on the back of the poster.

**G770-053 Flower Gardening History Interview** (SF105) Neatly handwritten or typed account of a gardening history interview whose flower garden has inspired you. Maximum of four pages of text and two pages of pictures (include one picture of the person you interviewed) of their flower garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, and county must be on the back of the report cover.

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

### Houseplants (SF107)

**G770-060 Flowering Potted Houseplant(s)** that are blooming for exhibition. A container may have one or more houseplants in the container. Label with the variety or cultivar for each plant. Non-blooming plants will be disqualified.

**G770-061 Foliage Potted Houseplant** one variety of tropical or cacti or succulent plant.

**G770-062 Hanging Basket** flowering and/or foliage houseplants. Container may have one or more houseplants in the container. Label variety or cultivar for each plant.

**G770-063 Dish Garden** an open/shallow container featuring a variety of houseplants excluding cacti and succulents. Label variety or cultivar for each plant.

**G770-064 Fairy or Miniature Garden** A miniature "scene" contained in an open container and featuring miniature or small, slow growing houseplants. The garden needs to have an imaginative theme and miniature accessories, i.e. bench, fence made from tiny twigs, small shell for a bathtub, etc. Label with the variety or cultivar for each plant.

**G770-065 Desert Garden** an open/shallow container featuring a variety of cacti and/or succulents grown as houseplants. Label with the variety or cultivar for each plant.

**G770-066 Terrarium** a transparent container, partially or completely enclosed; sealed or unsealed. Label with the variety or cultivar for each plant.

**G770-905 Lawn or Garden Accessory or Outdoor Planters**

PREMIUM	Purple	Blue	Red	White
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**Special Garden Project (SF109)**

The 20245 Special Garden Project is focused on the Alumnia Vanilla Cream Marigold

**G775-001 Special Garden Project Educational Exhibit** Educational exhibit based on what was learned from the project. Present information on a poster 14 inches X 22 inches either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, and county must be on the back of the poster or report cover.

**G775-002. Special Garden Project Fresh Cut Flowers, Herbs or Harvested Vegetables** The current years' Special Garden Project fresh cut flowers or harvested vegetables should be entered in this class. Refer to classes 001-045 for quantity to exhibit if special garden project is a fresh cut flower (SF106). Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable (SF108). Flowers and herbs must be cut, not potted.

**Vegetables, Herbs, Fruits & Educational Exhibits**



**Rules:**

- The cultivar or variety name must be included on all entry cards. Failure to identify the cultivar or variety will lower 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 lowered 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 lowered one ribbon placing. For example: 4-H members with two cultivars or varieties of red tomatoes can only enter the red tomatoes class and cannot enter the other cultivar or variety in any other vegetable class. Score Sheet SF108.
- Vegetables (Classes 1-56) Class, Vegetable, Numbers to Exhibit
- Herbs (Classes 60-69) 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 CLEAR GLASS CONTAINER of water (no plastic containers at State Fair).. Any exhibit not in a clear glass container will be dropped one ribbon placing. NO SCREW ON LIDS OR SCREW ON RINGS AND FLATS MAY BE USED. To hold herb leaves in place it is suggested to use tin foil or a type of plastic wrap with holes poked into it or frog lids. Containers may not be returned from State Fair. Potted herb plants will be disqualified and will not be judged. Score Sheet SF108.
- Fruits (Classes 80-86) Fruits will be judged using the same general criteria used for vegetables. Fruit will be judged for the stage of maturity normal for that season and growing location. Emphasis will be placed on how well fruit approaches market quality. Score Sheet SF108.

PREMIUMS	Purple	Blue	Red	White
Classes 201-286	\$4.00	\$3.00	\$2.50	\$2.00

**Vegetables**

- Classes 1-56 (SF108)
- G773-201 Lima Beans, 12**
- G773-202 Snap Beans, 12**
- G773-203 Wax Beans, 12**
- G773-204 Beets, 5**
- G773-205 Broccoli, 2**
- G773-206 Brussels Sprouts, 12**
- G773-207 Green Cabbage, 2**
- G773-208 Red Cabbage, 2**
- G773-209 Carrots, 5**
- G773-210 Cauliflower, 2**
- G773-211 Slicing Cucumbers, 2**
- G773-212 Pickling Cucumbers, 5**
- G773-213 Eggplant, 2**
- G773-214 Kohlrabi, 5**
- G773-215 Muskmelon/Cantaloupe, 2**
- G773-216 Okra, 5**
- G773-217 Yellow Onions, 5**
- G773-218 Red Onions, 5**
- G773-219 White Onions, 5**
- G773-220 Parsnips, 5**
- G773-221 Bell Peppers, 5**
- G773-222 Sweet (Non-Bell) Peppers, 5**
- G773-223 Jalapeño Peppers, 5**

- G773-224 Hot (Non-Jalapeno) Peppers, 5**
- G773-225 White Potatoes, 5**
- G773-226 Red Potatoes, 5**
- G773-227 Russet Potatoes, 5**
- G773-228 Other Potatoes, 5**
- G773-229 Pumpkin, 2**
- G773-230 Miniature Pumpkins (Jack Be Little Type), 5**
- G773-231 Radish, 5**
- G773-232 Rhubarb, 5**
- G773-233 Rutabaga, 2**
- G773-234 Green Summer Squash, 2**
- G773-235 Yellow Summer Squash, 2**
- G773-236 White Summer Squash, 2**
- G773-237 Acorn Squash, 2**
- G773-238 Butternut Squash, 2**
- G773-239 Buttercup Squash, 2**
- G773-240 Other Winter Squash, 2**
- G773-241 Sweet Corn (in husks), 5**
- G773-242 Swiss Chard, 5**
- G773-243 Red Tomatoes (2 inches or more in diameter), 5**
- G773-244 Roma or Sauce-type Tomatoes, 5**
- G773-245 Salad Tomatoes (under 2 inches diameter), 12**
- G773-246 Yellow Tomatoes (2 inches or more in diameter), 5**
- G773-247 Turnips, 5**
- G773-248 Watermelon, 2**
- G773-249 Dry Edible Beans, 1 pint**
- G773-250 Gourds, mixed types, 5**
- G773-251 Gourds, single variety, 5**
- G773-252 Any other vegetable, 2, 5 or 12 (do not duplicate entries in classes 201-250) that doesn't fit in any other class**
- G773-255 4-H Vegetable Garden Collection** of five kinds of vegetables. Display Garden Collection in a box not more than 24 inches in any dimension. Boxes may not be returned from the State Fair. Showmanship will be considered in judging, but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252). Do not duplicate entries in classes 201-252 with any in the group collection.
- G773-256 4-H Cultivar Vegetable Collection** Vegetables entered in the collection are five cultivars from a single exhibit; for example, five cultivars of all types of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24 inches in any dimension. Boxes may not be returned from the State Fair. Showmanship will be considered in judging; but plastic grass, cotton figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252).
- G773-906 Largest Onion, 1**
- G773-907 Largest Squash, 1**
- G773-908 Painted Gourd, 1**

## **Herbs**

### **Classes 60-69 (SF108)**

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

- G773-260 Basil, 5**
- G773-261 Dill (dry), 5**
- G773-262 Garlic (bulbs), 5**
- G773-263 Mint, 5**
- G773-264 Oregano, 5**
- G773-265 Parsley, 5**
- G773-266 Sage, 5**
- G773-267 Thyme, 5**
- G773-268 Any Other Herb, 5 (do not duplicate entries in classes 260-267)**
- G773-269 4-H Herb Garden** display of five different herbs. Displayed in a box or other holder not more than 18 inches in any dimension. Boxes may not be returned from the State Fair. Each herb in the collection should be exhibited with the number specified for classes 260-268. Do not duplicate entries in classes 260-268 with any in the group collection.

### **Fruits** Scoresheet: (SF108)

Fruits will be judged using the same general criteria used for vegetables. Fruit will be judged for the stage of maturity normal for that season and growing location. Emphasis will be placed on how well fruit approaches market quality.

**G773-280 Strawberries** (ever bearers), **1 pint**

**G773-281 Grapes**, **2 bunches**

**G773-282 Apples**, **5**

**G773-283 Pears**, **5**

**G773-284 Wild Plums**, **1 pint**

**G773-285 Other Small Fruit or Berries**, **1 pint**

**G773-286 Other Fruits OR Nuts**, **5**

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

### **Horticulture Educational Exhibits**

**G773-290 Garden Promotion Poster** (SF103) individual poster promoting vegetable or herb gardening, size 14 inches x 22 inches either vertical or horizontal arrangement. Poster may be in any medium so long as they are not three-dimensional. Posters using copyrighted material such as the "Peanuts" cartoon will not be accepted. Entry card must be stapled to the upper right-hand corner. The 4-H member's name, age, and county must be on the back of the poster.

**G773-291 Educational Vegetable or Herb Garden Poster** (SF104) Prepare a poster 14 inches x 22 inches x 2 inches (three-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, and years in the project(s) must be on the back of the poster.

**G773-292 Vegetable and/or Herb Gardening History Interview** (SF105) Neatly handwritten or typed account of a gardening history interview of someone whose vegetable or herb garden has inspired you. Maximum of four pages of text and two pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, and county must be on the back of the report cover.

**G773-293 Vegetable Seed Display** (SF101) Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families plus representatives from five 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 inches x 24 inches. Label each group and each individual vegetable type with the common and scientific names. Use only one variety or cultivar of each vegetable, except for beans where several examples of beans may be shown. Attach a card to the back of the display explaining why and how it is important to know which vegetables are related and site references on where the scientific name information was found. The 4-H member's name, age, county, and years in the project(s) must be on the back of the display. Information on vegetable family members can be obtained from your Extension office.

**G773-294 World of Vegetables Notebook** (SF102) Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g. Mexican, African, Chinese, Italian, etc.). Include a report describing a minimum of 5 vegetables and/or herbs from each country chosen. Include the scientific and common names; pictures of the plants from your garden or seed catalogs; tell how they are grown; and how the foods are used. Also list a source for buying the seed or plants. Favorite recipes using some or all the vegetables described may be included. Give proper credit by listing the source of pictures and information used. Protect in a clear report cover or three-ring notebook. The 4-H member's name, age, county, and years in the garden project must be on the back of the report cover or notebook.

## ***Science, Technology, Engineering & Math***

**Superintendent: Lynelle Johnson**

This department gives 4-H members an opportunity to display their knowledge and skills gained relating to computers, electricity, energy, geospatial, robots, rockets, drones, welding and woodworking. Through participation in this department, 4-H members will present their knowledge in these areas as they relate to STEM.

### **Rules:**

- The name and county of each 4-H 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.
- Demonstration boards should include an overall title for the display, plus other necessary labeling.
- Reports should be written using the scientific method whenever possible: 1. Hypothesis 2. Research 3. Experiment 4. Measure 5. Report or Redefine Hypothesis. All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
- Please refer to the General Rules for the policy regarding firearms, items with a blade, and other related items.
- Please refer to the General Rules for the policy regarding use of copywritten images.
- Premier 4-H Science Award is available in this area.
- Team Entries: To qualify for entry at the Nebraska State Fair for any team exhibit, the exhibit and all supporting information must clearly be the work of a team instead of an individual, and must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all

team members receiving the same ribbon placing.

- State Fair qualified videos, presentations, and other electronic exhibits should be submitted to <https://go.unl.edu/2025nesfstem> by August 15th, 2026. Videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. 4-H members are encouraged to test their codes or links on several devices to check for appropriate permissions for public viewing
- Posters in this department can be any size up to 28 inches x 22 inches when ready for display. Example: trifold poster boards are not 28 inches x 22 inches when fully open for display.
- Several classes require a display board which should be a height of 24 inches and not to exceed 1/4-inch thickness. A height of 24 7/8 inches is acceptable to allow for the saw kerf (width) if two 24-inch boards are cut from one end of a 4 foot by 8-foot sheet of plywood. Nothing should be mounted within 3/4 inch of the top or bottom of the board. (Example: Woodworking & Electricity.)
  - Fabricated boards such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
  - Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
  - Demonstration boards should include an overall title for the display, plus other necessary labeling.
  - Reports should be written using the scientific method whenever possible (1. Hypothesis 2. Research 3. Experiment 4. Measure 5. Report or Redefine Hypothesis). All reports should be computer generated and enclosed in a clear plastic cover. The reports should be attached securely to the display.
- If the project (i.e. picnic tables, wishing wells, swings, chairs, bridges, doghouses, etc.) is designed to be used outside, it will be displayed outside.
- All outside projects MUST have entry tag and supporting information placed in a protective bag to prevent damage from weather events such as rain and be ATTACHED to projects with string, zip ties, etc.
- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

### STEM Computers



This category gives 4-H members a chance to display their knowledge of computers. Through participation in this category 4-H'ers will develop presentations that show judges their knowledge in the different aspects of computer science. Involvement in STEM Computers gives participants a first-hand experience in modern technology.

#### Rules

Refer to department rules

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

**H860-001 Computer Application Notebook** (SF277) 4-H exhibitor should use computer application to create a graphic notebook utilizing computer technology. This exhibit consists of a 8 1/2 inch X 11 inch notebook which should include two parts:

1. A detailed report describing:
  - a. The task completed
  - b. The computer application software required to complete the task
  - c. Specific features of the computer application software necessary for completing the task
2. Print out your project. Project may be in color or black and white. 4-H member may create the following:
  - a. Greeting card (five different cards such as a birthday, wedding, anniversary, sympathy, get well or other)
  - b. Business card (three cards for three different individuals and businesses)
  - c. Menu (minimum of two pages including short description of foods and pricing); book layout (I-book)
  - d. Promotional flyer (three flyers promoting three different events)
  - e. Newsletter (minimum two pages)
  - f. Other: examples such as precision farming or family business logo etc.

**H860-002 Produce a Computer Presentation** (SF276) Using presentation software a 4-H Exhibitor designs a multimedia computer presentation on one topic related to youth. A 8.5 inch X 11 inch three ring notebook with a printout of all the slides should be submitted. Slideshow should include a minimum of ten slides and not more than 25. Incorporate appropriate slide layouts, graphics, animations, and audio (music or voice and transition sounds do not count). Each slide should include notes for a presentation. All digital exhibits must be uploaded according to the guidelines and by the deadline listed in the department rules.

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

**H860-003 Produce an Audio/Video Computer Presentation** (SF276) Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth, including audio and/or video elements. A notebook with a printout of all the slides should be submitted. The presentation should be at least two minutes in length and no more than five minutes in length, appropriate graphics, sound and either a video clip, animation, or voice over and/or original video clip. All digital exhibits must be uploaded according to the guidelines and by the deadline listed in the department rules

**H860-004 How to STEM (Science, Technology, Engineering and Math) Presentation** (SF276) Youth design a fully automated 2 to 5 minute 4-H "how to" video. Submissions should incorporate a picture or video of the 4-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.

**H860-005 Virtual Platform Presentation (SF276)** Youth design a fully automated educational presentation using any multimedia platform such as Tik Tok, YouTube, Canva, Canvas, etc. Submissions may include a notebook, poster, etc., explaining the process, /experience, and/or /presentation. All submissions must include a link to the virtual presentation.

**H860-006 Create a Website/Blog or App (SF275)** Design a simple web site, blog, or app for providing information about a topic related to youth. Include an explanation of why the entry was created. (Any current website, /blog, or app development platform is accepted such as. Ex. Google Sites, iBuildApp, Wix, etc.). If the website, blog, or app isn't live, include all files on a flash drive in a plastic case.

**H860-007 3D PRINTING (SF1050)** 3D printing uses plastic or other materials to build a three-dimensional (3D) object from a digital design (including 3D Pen Creation). Youth may use original designs or someone else's they have redesigned in a unique way. Exhibits will be judged based on the motivation and/or problem identified. For example, 3D objects printed as part of the design process for robot or other engineering project. Must include design notebook that addresses the following questions:

1. What was the motivation for your design or the problem you were solving with your design? i.e.. is your item a functional or decorative piece?
2. Please include a picture of original design, citation of designer/website OR if design is completely original (you created it using CAD software), then state that it's original. If item was not completely original, indicate what you did to the original design to modify it to better meet the design problem stated in #1 above. Its design was modified multiple times, please indicate what change was made with each modification, and what prompted the need for the change. i.e. "I printed it and the design was too fragile, so I replaced 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.

**H860-008 Maker Space/ Digital Fabrication (SF1050)** This project is a computer generated project created using a laser cutter, vinyl cutter, heat press or CNC router. Vector or 3D based software such as Coreldraw or Fusion 360 would be an example of appropriate software used to create your finished project. Project should include a notebook with the following:

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

**Team Entry Option:** To qualify for entry at the Nebraska State Fair team materials entered in H860-007 – Maker Space/Digital Fabrication must clearly be the work of a team instead of an individual and must have at least 50% of all team members enrolled in 4-H. Additionally, all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing.

## STEM Electricity



In this category, 4-H members have the opportunity to create informational exhibits about the different aspects of electricity. Through involvement in this category, 4-H members will be better educated about electricity and be able to present their knowledge to others.

### Rules

Refer to department rules

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

### Magic of Electricity: Unit 1

**H870-901 Unit 1 Control the Flow** Make a Switch. Use the following items: D cell battery, battery holder, insulated wire, 1 or 2 - flashlight bulb(s), bulb holder, paper clip, cardboard, and two brass paper fasteners to create a circuit that you can open and close. Label your circuit board parts and explain the complete circuit process.

**H870-902 Unit 1 Conducting Things** Make a circuit with a switch and a light bulb that can be used to test different household items for their ability to act as an insulator or conductor. You must find five items that are insulators or conductors. Create a table that illustrates your results.

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

### Investigating Electricity: Unit 2

**H870-905 Rocket Launcher** Construct a rocket launcher out of the following materials: a plastic pencil box that is at least 4 inches by

8 inches, single pole switch, single throw switch, normally-open push button switch, 40 feet of 18 or 22 gauge stranded wire, 4 alligator clips, 2 inches by 6 inches board 6 inches long, 1/8 inch diameter metal rod, rosin core solder, soldering iron or gun, wire stripper, small crescent wrench, pliers, small Phillips and straight blade screw-drivers, drill, 1/8 inch and 1/4 inch drill bits, rocket engine igniters, additional drill bits matched to holes for two switches. You must successfully build a rocket launcher and light two rocket igniters with your launcher. You DO NOT have to fire a rocket off of the launcher. Create a poster using photographs to show the "step by step process" you used to build your launcher.

**H870-906 Stop the Crime** Build an ALARM using the following materials: On-off push button switch, mercury switch, buzzer-vibrating or piezoelectric, 9-volt battery, 9-volt battery holder, 4 inches by 4 inches by 1/8 inch Plexiglas board to mount circuit on; rosin core solder, soldering gun/iron, two feet of 22-gauge wire, wire strippers, hot glue sticks, hot glue gun and a plastic box with a lid to mount your alarm circuit on. Create a poster using photographs to show the "step by step process" you used to build your alarm.

**H870-909 Switching Circuits:** Build a three-way switch. Use the following items: D cell battery, battery holder, insulated wire, 2 -7.5-volt light bulb, bulb holder, 2 paper clips, cardboard and 4 brass paper fasteners to build a three-way switch circuit. Label your circuit board parts and explain the process.

	PREMIUM	Purple	Blue	Red	White
CLASSES 4 & 8		\$4.00	\$3.00	\$2.50	\$2.00
CLASSES 1-3 & 5-7 & 10		\$8.00	\$7.00	\$6.00	\$5.00

### Wired for Power: Unit 3

**H870-001 Electrical Tool/Supply Kit** (SF226) 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)

**H870-002 Lighting Comparison** (SF226) Display studying the efficiency of various lighting (incandescent, fluorescent, halogen, Light Emitting Diodes, etc.) Exhibit could be a poster display, or an actual item.

**H870-003 Electrical Display/Item** (SF226) Show an application of one of the concepts learned in the Wired for Power project. Examples include: re-wiring or building a lamp, re-wiring or making a heavy-duty extension cord or developing an electrical diagram of a house. Exhibit could be a poster display, or an actual item. (Do not bring a lamp shade)

**H870-004 Poster** (SF277) Should exemplify one of the lessons learned in the Wired for Power Project. Posters can be any size up to 28 inches by 22 inches.

### Electronics: Unit 4

**H870-005 Electrical/Electronic Part Identification** (SF226) Display different parts used for electrical/electronic work. Exhibit should show the part (either picture or actual item) and give a brief description, including the symbol of each part and its function. Display should include a minimum of 10 different parts.

**H870-006 Electronic Display** (SF229) Show an application of one of the concepts learned in the entering Electronics project. Examples include: components of an electronic device.

**H870-007 Electronic Project** (SF229) Exhibit an electronic item designed by the 4-H'er or from a manufactured kit that shows the electronic expertise of the 4-H'er. Examples include: a radio, a computer, or a voltmeter.

**H870-008 Poster** (SF277) Should exemplify one of the lessons learned in the Entering Electronics Project. Posters can be any size up to 28 inches by 22 inches.

## STEM Energy

This category provides 4-H members a way to present their ideas about energy. Through participation in this category, 4-H'ers will learn more about physics, friction, energy, and elasticity. In addition, participants will make a display to go along with their findings.

### Rules

Refer to department rules



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

**H900-001 Create and Compare Energy Resources Poster** (SF277) Poster should explore 2 alternative/renewable energy resources. Compare and contrast the 2 resources including two of the following information: amount of energy created, costs of production, usability of the energy, pros/cons of environmental impacts, etc. Posters can be any size up to 28 inches by 22 inches.

**H900-002 Experiment Notebook** (SF277) Notebook will explore the scientific method involving alternative/renewable energy sources. Information required. 1.) Hypothesis 2.) Research 3.) Experiment 4.) Measure 5.) Report or Redefine Hypothesis.

**H900-003 Solar as Energy Display/ Poster** (SF277) Item should be the original design of the 4-H'er. Include the item, or a picture if the item is in excess of 6 feet tall or 2 feet X 2 feet. Include a notebook of why the item was designed and how it harnesses the power of solar. Examples include solar ovens, solar panels, etc.

**H900-004 Water as Energy Display/ Poster** (SF277) Item should be the original design of the 4-H'er. Include the item, or a picture if the item is in excess of 6 feet tall or 2 feet X 2 feet. Include a notebook of why the item was designed and how it harnesses the power of water.

**H900-005 Wind as Energy Display/ Poster** (SF277) Item should be the original design of the 4-H'er. Include the item, or a picture if the item is in excess of 6 feet tall or 2 feet X 2 feet. Include a notebook of why the item was designed and how it harnesses the power of wind.

**H900-006 Other Nebraska Alternative Energy** (SF277) Notebook should explore Nebraska as an alternative energy source besides wind, water, and solar power. Include information on type of power chosen, infrastructure for distribution, what resources are needed to create this alternative resource, cost of production, and potential uses of bio-products. Examples include geothermal, biomass, ethanol, bio-diesel, methane reactors, etc.



### STEM Geospatial

STEM Geospatial is a diverse category that includes a variety of exhibits 4-H members can get involved in. Through participation in this category 4-H'ers will gain more knowledge about Nebraska's rich history and diverse geography. Take close note of the rules to ensure your exhibit qualifies.

#### Rules

Refer to department rules

PREMIUM	Purple	Blue	Red	White
Classes 1 & 2	\$4.00	\$3.00	\$2.50	\$2.00
Classes 3-10	\$5.00	\$4.00	\$3.50	\$3.00

**H880-001 Poster** (SF277) Create a poster (not to exceed 14 inches X 22 inches) communicating a GPS theme such as "How GPS or GIS Works", "Careers that use GPS or GIS", "How to use GPS", "What is GIS, GPS", "GIS in Agriculture", "Precision Agriculture" or a geospatial topic of interest.

**H880-002 4-H Favorite Places or Historical Site Poster** (SF277) 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 inches X 22 inches.

**H880-003 GPS Notebook** (SF300) Keep a log of at least 5 places visited using a GPS enabled device. At least one site should be from a community other than where you live. For each site, record the latitude, longitude and elevation. Also include a description of the site, a paragraph explaining what was interesting about the site or finding it. Photos of each site and/or cache are optional but encouraged.

**H880-004 Geocache** (SF301) Assemble a themed geocache. A physical geocache is **REQUIRED** with exhibit. Each geocache should be a water-tight container. It should include a logbook and pencil for finders to log their visits and may include small trinkets, geocoins, etc. for the finders to trade. Documentation should include a title, teaser description and the geographic coordinates of intended placement. Register the site at geocaching.com and include a print-out of its registry. The entry may include a photograph of the cache in its intended hiding place.

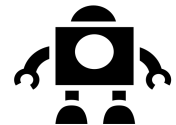
**H880-005 Agriculture Precision Mapping** (SF302) 4-H'ers will assemble a notebook that will include a minimum of 2 digital copies of various data layers that can be used in precision agriculture to identify spatial patterns and/or correlations (printed copies of websites were applications can be purchased is acceptable) A report of how the analysis of the various data will be used to make a management decision.

**H880-007 GIS Thematic Map** (SF302) Using any GIS software, create a thematic. Thematic maps can utilize any subject of interest to the 4-H'er. Example maps would be Amelia Earhart's or Sir Francis Drake's voyage population density maps, water usage maps or 4-H project in Nebraska. Create a GIS Map using data from books, or the internet. Use reliable data, (U.S. Center or U.S. Census Bureau etc.) Map any size from 8.5 inches x 11 inches up to 36 inches x 24 inches, which should include Title, Base Map, Neat Line, North Arrow, and Legend. Identify the source of your information on the back of the map.

**H880-008 Virtual Geocache** (SF301) Keep a log of at least 5 places visited using a virtual geocache platform. At least one site should be from a community other than where you live. For each site, record the latitude, longitude and elevation. Also include a description of the site, a paragraph explaining what was interesting about the site or finding it. Photos of each site and/or cache are optional, but highly encouraged.

### STEM Robotics

This category involves the many different aspects of Robotics. Participants will learn more about how robots are designed and developed as well as the mechanical and electronic elements of robots. Involvement in STEM Robotics gives participants first-hand experience in modern technology.



#### Rules

Refer to department rules

PREMIUM	Purple	Blue	Red	White
Class 1	\$4.00	\$3.00	\$2.50	\$2.00
Classes 2-8 & 901	\$8.00	\$7.00	\$6.00	\$5.00

**H861-001 Robotics Poster** (SF277) Create a poster (28 inches by 22 inches) communicating a robotics theme such as "Robot or Not", "Pseudocode", "Real World Robots", "Careers in Robots", "Autonomous Robotics", "Precision Agriculture" or a robotic topic of interest to the 4-H'er.

**H861-002 Robotics Notebook** (SF237) Explore a robotics topic in-depth and present your findings in a notebook. Documentation should include any designs, research, notes, pseudocode, data tables or other evidence of the 4-Hers learning experience. The notebook should contain at least three pages. Topics could include a programming challenge, programming skill, calibration, sensor exploration, or any of the topics suggested in Class 1.

**H861-004 Robotics Careers Interview** (SF239) Interview someone who is working in the field of robotics and researching a career in robotics. Interviews can either be written or in a multimedia format such as a short video uploaded to a cloud sharing service. Include a QR code with your project to allow for judging access. Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12-point font, and 1 inch margins. Multimedia reports should be between 3 to 5 minutes in length.

**H861-005 Robotics - Sensor Notebook** (SF239) Write pseudo code which includes at least three sensor activities. Include the code written and explain the code function. Codes can be submitted as a multimedia format uploaded to a cloud sharing service. Include a QR code with your project to allow judging access. Multimedia presentations should be 3 to 5 minutes in length.

**H861-007 Kit Labeled Robot (cannot be free programmed) and Notebook** (SF243) This class is intended for explorations of robotic components such as arms or vehicles OR educational kits marketed as robots that do not have the ability to be programmed to “sense, plan and act.” The exhibit should include a notebook with the robot the youth has constructed. Included in the notebook

- description of what the robot does
- pictures of programs the robot can perform
- why they chose to build this particular form
- how the problem solved any issues they might have had during building and programming.

A picture story of assembly is recommended. If the robot is more than 15 inches wide and 20 inches tall they may not be displayed in locked cases at the Nebraska State Fair. If the robot is too large, we recommend you create a video of how your robot works. We recommend that you submit the project under class H861003 - Robotics Video in the Robotics Showcase.

**H861-008 3D Printed Robotics Parts** (SF1050) This class is intended for youth to create parts through 3D printing, that help create their robot or aid the robot in completing a coded function. Project should include a notebook describing the process used to create the project, describing the success of your designed piece (did it work), intended use of the product and the modifications made to the item.

## STEM Rockets and Drones



This category gives 4-H members a chance to display the rockets and drones they have created. Through participation in this category, 4-H members will show judges what they learned about and how they adapted their exhibit throughout this project. Involvement in STEM Rockets gives participants a first-hand experience in modern technology. For help getting started with this project contact your county 4-H office.

### Rules

- The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so the owner of the exhibit may be identified if the entry tag is separated from the exhibit.
- Rockets must be supported substantially in order to protect the rocket from breakage. Rockets are to be mounted on a base that has dimensions equal to or less than 12 inches x 12 inches and the base should be 3/4 inch thick. No metal bases. If the rocket fins extend beyond the edges of the required base (12 inches x 12 inches), then construct a base that is large enough to protect the fins. The base size is dictated by the size of the rocket fins.
- The rockets must be mounted vertically. Please do not attach sideboards or backdrops to the displays. In addition, a used engine or length of dowel pin is to be glued and/or screwed into the board and extended up into the rocket's engine mount to give added stability.
- Rockets must be equipped as prepared for launching, with wadding and parachute or other recovery system. Rockets entered with live engines, wrong base size or sideboards will be disqualified.
- A report, protected in a clear plastic cover, must include: 1) rocket specification (include original or photo of manufacture packaging stating rocket skill level), 2) a flight record for each launching (weather, distance, flight height), 3) number of launchings, 4) flight pictures 5) Safety (how did you choose your launch site? Document safe launch, preparations, and precautions) 6) objectives learned and 7) conclusions.
- The flight record should describe the engine used, what the rocket did in flight and recovery success. Points will not be deducted for launching, flight or recovery failures described. This includes any damage that may be shown on the rocket. Complete factory assembled rockets will not be accepted at the State Fair.
- 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 a digital recorded copy of one flight. In the documentation, please include a description of stability testing before the rocket was flown.
  - The skill level of a project is not determined by the number of years in the project. Skill level is determined by the level listed on the manufacturing packaging.

- 4-H Rocket project levels are not intended to correspond to National Association of Rocketry model rocket difficulty ratings or levels.
- **High power rockets (HPR) are similar to model rocketry with differences that include the propulsion power and weight increase of the model. They use motors in ranges 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.**
- **3D Printed Rockets are deemed unsafe in fabrication and design for launch. These rockets are NOT appropriate for 4-H Rocket projects and will be disqualified if entered into Rocket Classes. 3D Printed Rockets are ACCEPTABLE if entered into 3D Printing classes.**
- Eligibility: All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair. Entry level rockets, made with PLASTIC FINS and PLASTIC BODY TUBES, are COUNTY ONLY projects.

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

## Rockets

**H850-901 Single Stage Rocket** up to 15” in length.

**H850-902 Display** Display exemplifying one of the principles learned in Flight Crew. Examples include: diagram of rocket or jet, interview with firefighter, pilot or air traffic controller, design for an airport, model space station.

**H850-903 Trebuchet** mini-catapult

**H850-904 Rocket** Any water rocket made with a 2-liter plastic bottle.

**H850-905 Display** Display exemplifying one of the principles learned in the Water Rocket Project. Examples include: Display of rocket parts and purpose, interview of someone in the aerospace field, picture board and description of building and/or launching a water rocket, story of building and/or launching a water rocket. Display can be any size and any material can be used.

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

**H850-001 Rocket** (SF92) Any Skill Level rocket with **wooden fins and cardboard body tubes** painted by hand or air brush.

**H850-002 Aerospace Display** (SF277) Poster or display board that displays or exemplifies one of the principles learned in the Lift Off project. Examples include: display of rocket parts and purpose, explaining the parts of a NASA rocket or shuttle, interview of someone in the aerospace field, or kite terminology. Include a notebook containing terminology (definition), and what was learned. Display can be any size up to 22 inches by 28 inches.

**H850-003 Rocket** (SF92) Any Skill Level 2 Rocket with wooden fins and cardboard tubes painted using commercial application. Example – commercial spray paint.

**H850-004 Rocket** (SF92) Any self-designed rocket with wooden fins and cardboard body tubes.

## Drones

**H850-005 Drone Poster** (SF277) 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 inches by 22 inches.

**H850-006 Drone Video** (SF277) 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.

## STEM Welding

This category helps 4-H members learn the basics of welding. In addition, 4-H members get the opportunity to present their knowledge on the topic and display what they have made. Involvement in STEM Welding gives participants a first-hand experience in a skill that can be used for a lifetime.



### Rules

Refer to department rules

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

**H920-001 Welding Joints** (SF281) a display of one butt, one lap and one fillet weld.

- All welds should be made with the same electrode/wire/rod size and number
- Welds should be made only on one side of metal so penetration can be judged
- Welds should be cleaned with a chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil.
- It is suggested that all welds be of the same size and thickness as 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 - ¼ inch if using ⅛ inch rod. Suggested rod-AC and DC straight or reverse polarity- first E-7014, second E-6013
- MIG welding: Suggested coupon thickness - ¼ inch if using .035 wire and ⅛ inch if using .023 wire
- Oxy-Acetylene: Suggested coupon thickness - ⅛ inch. Suggested rod- ⅛ inch mild steel rod 4-H

**H920-002 Position Welds** (SF281) a display showing three beads welded in the vertical down, horizontal and overhead positions.

- It is suggested that all welds be of the same size and thickness of metal. These pieces are referred to as coupons. The welds can be on one coupon that is about 4 inches x 4 inches or on individual coupons that are about 2 inch x 4 inch and ¼ inch thick. Suggested rods for this class of position welds for AC and DC straight or reverse polarity is, first E-6013, second E-7014 and E-6010 for DC reverse polarity only.
- Welds should be cleaned with a chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil.
- 4-H Welding Project Tips and Suggestions: Class 3 & 4 1. All welds should be cleaned and protected from rust with paint or light oil. Plans are to be complete enough that if they were given to a welding shop, the item could be made without further instructions. Bill of materials should include a cost for all items used including steel, electrodes, paint, wheels, etc.

**H92003 Welding Art** (SF283) any art created using tack welds to hold the metal pieces together (examples include horseshoe projects). Type of welder, welder settings, all plans, plan alterations, and a bill for material must be attached to the article. Protect plans with a cover. If the project is designed to be outside, it is required to have appropriate outdoor finish.

PREMIUM	Purple	Blue	Red	White
	\$10.00	\$8.50	\$7.00	\$5.50

**H920-004 Welding Article** (SF282) any shop article where welding is used in construction. 60% of the item must be completed by 4-H'er and notes regarding laser welding or machine welding must be included. Type of welder, welder settings, all plans, plan alterations, and a bill for material must be attached to the article. Protect plans with a cover. If the project is designed to be outside, it is required to have appropriate outdoor finish because the project may be displayed outside.

**H920-005 Welding Furniture** (SF282) any furniture with 75% welding is used in the construction. 60% of the item must be completed by 4-H'er and notes regarding laser welding or machine welding must be included. Type of welder, welder settings, all plans, plan alterations, and a bill for material must be attached to the article. Protect plans with a cover. If project is designed to be outside, it is required to have appropriate outdoor finish because project may be displayed outside

**H920-006 Plasma Cutter/Welder Design** (SF279) Plasma cutters/welders allowed for detailed design(s) to butt cut into metal. 4Hers will create a notebook describing the design process to create the "artwork" to butt cut into the metal.

In the notebook include:

- A photo (front and back) of the finished project.
- Instructions on how the design was created, this allows for replication of the project.
- Lessons learned or improvements to the project.
- Steps to finish the project.

**H920-007 Composite Weld Project** (SF282) 60% of the project must be welded and 40% made from other materials such as wood, rubber, etc. Type of welder, welder settings, all plans, plan alterations, and a bill for material must be attached to the article. Protect plans with a cover. If the project is designed to be outside, it is required to have appropriate outdoor finish because the project may be displayed outside.

## STEM Woodworking

In this category 4-H members have the opportunity to create exhibits about varying levels of woodworking. In addition, participants can also create informational exhibits about their woodworking projects. Through involvement in this category 4-H members will be better educated about the topic and better their woodworking skills.



### Rules

- The name of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so the owner of the exhibit may be identified if the entry tag is separated from the exhibit.
- 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 alterations to the original plan. Part of the score depends on how well the project matches the plans. If the plans are modified, the changes from the original need to be noted on the plans. All plans used for making the article must be securely attached and protected by a clear plastic cover.
- 4-H'ers must be in Unit 3 or Unit 4 for the exhibit to be considered for State Fair. All projects must have an appropriate finish.
- If the project (i.e. picnic tables, wishing wells, swings, chairs, bridges, doghouses, etc.) is designed to be used outside, it will be displayed outside.
- All outside projects MUST have an entry tag and supporting information placed in a protective bag to prevent damage from weather events such as rain and be ATTACHED to projects with string, zip ties, etc.
- Eligibility- All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair

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

### Measuring Up: Unit 1

**H911-901 Articles Made with Hand Tools (SF91)** Select from Unit I (new manual or use comparable plans from other sources)

**H911-902 Woodworking Display (SF91)** Display exemplifying one of the principles learned in the Measuring Up Project. Examples include: tools, safety, wood types, glues, sanding tips, finishing methods.

### Making the Cut: Unit 2

**H-911-903 Article (SF91)** as shown in Woodworking Unit 2 Manual or comparable items using power hand tools, electric jig saw, power drill, and/or oscillating sander.

**H911-904 Woodworking Display (SF91)** Display exemplifying one of the principles learned in the Making the cut Project. Examples include: tools, safety, wood types, cutting on the angle, finishing methods.

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

### Nailing it Together: Unit 3

**H911-001 Woodworking Article (SF91)** Item should be made using either joints, hinges, dowels, or a dado joining made using skills learned in the Nailing It Together manual. Items are required to be appropriately finished. Examples include: bookcase, coffee table or end table.

**H911-003 Recycled Woodworking Display (SF91)** Article made from recycled, reclaimed or composite wood. Article must be appropriately finished **and/or sealed** and utilize one or more woodworking techniques from page 2 of the Unit 3 manual. Exhibit must include the woodworking plan and a minimum one-page report of how the engineering design process was used to develop the woodworking plan. Engineering Design Process

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

**H911-004 Composite Wood Project (SF91)** 60% of the project must be wood and 40% made from other materials such as metal, rubber, resin, etc. All plans and plan alterations must be attached to the article. Protect plans with a cover. If the project is designed to be outside, it is required to have appropriate outdoor finish because the project may be displayed outside.

**H911-005 Outdoor Wood Project made with Treated Wood (SF91)** Treated wood projects DO NOT have to have a finished coating. All plans and plan alterations must be attached to the article. Protect plans with a cover. If the project is designed to be outside. Examples include: picnic tables, planters, outdoor furniture, etc.

**H911-006 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. Items are required to be appropriately finished.

PREMIUM	Purple	Blue	Red	White
	\$10.00	\$8.50	\$7.00	\$5.50

### Finishing Up: Unit 4

**H911-007 Wood Projects created on a Turning Lathe (SF98)** Article is the object created from spinning wood on a turning lathe. Article must be appropriately finished and/or sealed. Exhibit must include plans detailing design and process of completion, any changes made to the design, details of finishing techniques, and other relevant information about the article. Must include a description of tools used.

**H911-008 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?)