

CHANGES IN 2018 STATE FAIR BOOK & COUNTY FAIR BOOK

Citizenship- Oral Citizenship Essay-saved as a.wav or mp3 file; a USB/thumb drive will be accepted.

Photography- Data Tags are required on all exhibits. Unit 2 & 3 Nebraska photo exhibit for 2018 is:

TRUE LEADER EXHIBIT PRINT: Explore true leaders in your community. True leaders can be anyone from community leaders, teachers, and volunteers to parents and friends. So, what sets them apart? What makes someone a true leader? What effect do they have on the people or environment around them? How can you tell their story through photography?

Human Development - 4-H'ers taking I HAVE WHAT IT TAKES TO BE A BABYSITTER may enter: **Toy, game, or activity** made for a selected and identified age group. 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 2.

Information sheet for Class C200008 should include: 1) State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for. 2) What are children this age like? Give 2 examples to show how the kit would be appropriate for children this age. 3) What will the child learn or what skills will they gain by using the kit? 4) What item(s) were made by the 4-H'er. Most importantly the kit should serve a defined purpose, not just be a catch all for several items.

Shopping in Style – in your notebook for Best Buy for Your Buck you need to include: a conclusion or summary statement(s) stating your final comments on why you selected your “best buy for your buck”.

Design Decisions – C 257 4- Changed to **Technology in Design-** Incorporate technology into a project related to home environment for example, using conductive thread to create a circuit that enhances a wall hanging.

Sketchbook Crossroads & Portfolio Pathways – Exhibit C 260 10 and C 261 7 name changed to Nebraska Life Exhibit

Quilt Quest - Quilt Design other than Fabric - Quilt Design Other than Fabric. Supporting information is required for this exhibit. Information must also include elements or principles of design used and steps taken to complete project. Tag templates can be found on the 4-H State Fair website, please note this is in the Home Environment information sheet:

<http://4h.unl.edu/fairbook#tab3>

Exhibits without supporting information will be dropped a ribbon placing.

- **Class C229020** - Two or three dimensional item with quilt design made using medium other than fabric, such as stained glass, paper, etc.

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

Exhibits without supporting information will be dropped a ribbon placing.

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

- **Class 229021** – Barn Quilt created that is less than 4'x4'.
- **Class 229022** – Barn Quilt created that is 4'x4' or larger.

Food & Nutrition – Areas have been renamed and there are some new items add:

Under General Foods:

E350004 COOKING BASICS RECIPE FILE (Scoresheet SF251) A collection of 10 recipes from any source. Each recipe must accompany a complete menu in which the recipe is used. An additional 10 recipes may be added each year the 4-H'er is in the project, with year clearly marked on recipes. Display in a recipe file or binder. Be sure to include the number of servings or yield of each recipe. This may be a continued recipe file project from the previously used 4-H curriculum before 2018.

E410003 BISCUITS OR SCONES (Scoresheet SF136) four biscuits or scones on a small paper plate. This may be any type of biscuit or scone: rolled, or dropped. Any recipe may be used, but it must be a non-yeast product baked from scratch.

E411006 SHORTENED CAKE (Scoresheet SF137) NOT FROM A CAKE MIX! At least $\frac{3}{4}$ of the cake. Shortened cakes use fat for flavor and texture and recipes usually begin by beating fat with sugar by creaming, and include leavening agents in the recipe. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frostings allowed).

E412004 CANDY (Scoresheet SF147) any recipe, 4 pieces of candy on a paper plate or $\frac{1}{2}$ cup. No items containing cream cheese will be accepted (Example: cream cheese mints). Candy may be cooked or no cook; dipped, molded, made in the microwave or other methods of candy preparation. Recipe must be included.

4-H HOME FOOD PRESERVATION SERIES

UNIT 1 FREEZING PROJECT MANUAL

E407001 BAKED ITEM MADE WITH FROZEN PRODUCE (Scoresheet SF155) any recipe, at least $\frac{3}{4}$ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Recipe MUST include a food item preserved by the freezing method done by the 4-H'er. Ex. Peach pie, blueberry muffins, zucchini bread, etc.). Supporting information must include both the recipe for the produce that was frozen as part of this project AND the baked food item.

UNIT 2 DRYING PROJECT MANUAL

E407002 DRIED FRUITS (Scoresheet SF154) exhibit 3 different examples of 3 different dried fruits. Place each dried fruit food (6-10 pieces of fruit, minimum $\frac{1}{4}$ cup) in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E407003 FRUIT LEATHER (Scoresheet SF154) exhibit 3 different examples of 3 different fruit leathers. Place a 3-4" sample of each fruit together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E407004 VEGETABLE LEATHER (Scoresheet SF154) exhibit 3 different examples of 3 different vegetable or vegetable/fruit leather combo. Place a 3-4" sample of each leather together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E407005 DRIED VEGETABLES (Scoresheet SF149) exhibit 3 different samples of 3 different dried vegetables. Place each food ($\frac{1}{4}$ cup of each vegetable) in a separate self-sealing bag. Use a rubber band or "twisty" to keep exhibit together.

E407006 DRIED HERBS (Scoresheet SF149) exhibit 3 different samples of 3 different dried herbs. Place each food ($\frac{1}{4}$ cup of each herb) in a separate self-sealing bag. Use a rubber band or "twisty" to keep exhibit together.

E407007 BAKED ITEM MADE WITH DRIED PRODUCE/HERBS (Scoresheet SF156) any recipe, at least $\frac{3}{4}$ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Recipe MUST include a dried produce/herb item made by the 4-H'er. Ex. Granola bar made with dried fruits, dried cranberry cookies, Italian herb bread, lemon thyme cookies. Supporting information must include both the recipe for the dried produce/herb AND the baked food item.

UNIT 3 BOILING WATER CANNING MANUAL

E407008 1 JAR FRUIT EXHIBIT (Scoresheet SF150) exhibit one jar of a canned fruit. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407009 3 JAR FRUIT EXHIBIT (Scoresheet SF150) exhibit 3 jars of different canned fruits. May be three different techniques for same type of product, ex. Applesauce, canned apples, apple pie filling, etc. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407010 1 JAR TOMATO EXHIBIT (Scoresheet SF150) exhibit one jar of a canned tomato product. Entry must be processed in a boiling water bath according to current USDA recommendations.

E407011 3 JAR TOMATO EXHIBIT - Scoresheet SF150 exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a boiling water bath according to current USDA recommendations.

E407012 1 JAR PICKLED EXHIBIT (Scoresheet SF150) one jar of a pickled and/or fermented product. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407013 **3 JAR PICKLED EXHIBIT** (Scoresheet SF150) exhibit 3 jars of different kinds of canned pickled and/or fermented products. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407014 **1 JAR JELLED EXHIBIT** (Scoresheet SF153) exhibit one jar of a jam, jelly or marmalade. Entry must be processed in the boiling water bath according to current USDA recommendations.

E407015 **3 JAR JELLED EXHIBIT** (Scoresheet SF153) exhibit 3 different kinds of jelled products. Entry may be made up of either pints or half pints (but all jars must be the same size). Entry must be processed in the boiling water bath according to current USDA recommendations.

UNIT 4 PRESSURE CANNING PROJECT MANUAL

E407016 **JAR VEGETABLE OR MEAT EXHIBIT** (Scoresheet SF150) exhibit one jar of a canned vegetable or meat. Include only vegetables or meats canned in a pressure canner according to current USDA recommendations.

E407017 **3 JAR VEGETABLE EXHIBIT** (Scoresheet SF150) exhibit 3 jars of different kinds of canned vegetables. Include only vegetables canned in a pressure canner according to current USDA recommendations.

E407018 **3 JAR MEAT EXHIBIT** (Scoresheet SF150) exhibit 3 jars of different kinds of canned meats. Include only meats canned in a pressure canner according to current USDA recommendations.

E407019 **QUICK DINNER** (Scoresheet SF151) exhibit a minimum of 3 jars to a maximum of 5 jars (all the same size) plus menu. Meal should include 3 canned foods that can be prepared within an hour. List complete menu on a 3" X 5" file card and attach to one of the jars. Entry must be processed according to current USDA recommendations

E407020 **JAR TOMATO EXHIBIT** (Scoresheet SF150) exhibit one jar of a canned tomato product. Entry must be processed in a pressure canner according to current USDA recommendations.

E407021 **3 JAR TOMATO EXHIBIT** (Scoresheet SF150) exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.). Entry must be processed in a pressure canner according to current USDA recommendations.

Special Garden Exhibit - G-775-002. Special Garden Project Fresh Cut Flowers or Harvested Vegetables – The current years' Special Garden Project fresh cut flowers or harvested vegetables should be entered in this class. Refer to classes 001-044 for quantity to exhibit if special garden project is a fresh cut flower. Score Sheet SF106. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. Delft Blue Nigella this year.

Field Crops - G-750-008 - Crop End Use Display – Display information about the final product or end uses for a crop, such as food, feed, fuel, or other products. (i.e. corn can be processed into livestock feed, ethanol, plastics, etc. or soybeans can be processed into bio-diesel, pet bedding, crayons, oil, etc.)

Aerospace – add to your report (include original or photo of manufacture packaging stating rocket skill level, Safety (how did you choose your launch site? Document safe launch, preparations, and precautions).

Skill level of project is not determined by number of years in project. Skill level is determined by the level listed on the manufacturing packaging.

Under Rocket Display you need to include a notebook containing terminology (definition), and what was learned.

Computers – Exhibit added - **Class H860009. 3D Pen Creation (SF...):** 3D pens rapidly melt and cool plastic filament allowing the 4-Her to draw in 3D. Youth may use original designs or use a template to create their 3D item. Exhibits will be judged based on the complexity of the design and shape. 3D pen creation will include a notebook with the following:

- a) Copy of the template if used and description of any changes the youth created.
- b) If no template used – an explanation of how the creation was built.
- c) Must include paragraph of what the youth learned while creating their project (i.e. way to improve their next creation)
- d) Paragraph on how 3D pens impact Science Engineering and Technology

Robotic – For State Fair in the Build a Robot exhibit you will need to submit a video of robot in action to Amy Timmerman (atimmerman2@unl.edu) by August 15th. Files must be saved in a PC compatible format with county name and last name of participant before emailing.

Power of Wind project changed to Alternative/Renewable Energies –

- **Class H900001. Create and Compare Energy Resources Poster (SF...)** – Poster should explore 2 alternative/renewable energy resources. Compare and contrast the 2 resources including two of the following information: amount of energy created, costs of production, usability of the energy, pros/cons of environmental impacts, etc. Posters can be any size up to 28” by 22.”
- **Class H900002. Experiment Notebook (SF...)** – Notebook will explore the scientific method involving alternative/renewable energy sources. Information required. 1.) Hypothesis 2.) Research 3.) Experiment 4.) Measure 5.) Report or Redefine Hypothesis.
- **Class H900003. Solar as Energy Display (SF....)** - Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of water. Examples include solar ovens, solar panels, etc.
- **Class H900004. Water as Energy Display (SF....)** - Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of water.
- **Class H900005. Wind as Energy Display (SF308)** – Item should be the original design of the 4-Her. Include the item, or a picture if item is in excess of 6' tall or 2' X 2'. Include a notebook of why the item was designed and how it harnesses the power of wind.
- **Class H900006. Other Nebraska Alternative Energy (SF..)** –Notebook should explore Nebraska an alternative energy source besides wind, water, and solar power. Include information on type of power chosen, infrastructure for distribution, what resources are needed to create this alternative resource, cost of production, and potential uses of bio-products.

Resources:

<https://4-h.org/parents/national-youth-science-day/wired-for-wind/>
<https://4-h.org/parents/national-youth-science-day/biofuel-blast/>
<http://web.cals.uidaho.edu/biodiesel/4-h-curriculum-for-ages-8-12/>
<http://extension.oregonstate.edu/clackamas/energy-education-curriculum-lessons>

Welding - If project is designed to be outside it is required to have appropriate outdoor finish because project may be displayed outside

Class H92005. Plasma Cutter/Welder Design (SF...) – Plasma cutters/welders allowed for detailed design(s) to butt cut into metal. 4Hers will create a notebook describing the design process to create the “artwork” to butt cut into the metal. This exhibit is not eligible for entry at the State Fair.

In the notebook include: A photo (front and back) of the finished project. Also include detailed photographs of the project to allow judges to examine cuts. Instructions on how the design was created, this allows for replication of the project, Lessons learned or improvements to the project.

Entomology – Exhibit changes:

H800004 - Special Interest Display

Educational display developed according to personal interests and/or advanced identification capability. This also is an opportunity to highlight favorite insects in a creative arrangement. Insects should conform to pinning and mounting standards as in Classes 1-3 and be protected in an insect box. Each specialty display should include names of the insects, interesting information about them, and why the display was made. Advanced identification collections should have insects grouped with labels that correspond with identification level (e.g. family, genus, species). A specialty collection may consist of insects by taxonomic group (e.g. butterflies, grasshoppers, dragonflies, scarab beetles) or by host, subject or habitat (e.g. insect pests of corn, aquatic insects, insect mimicry, insect galls, insects from goldenrod, insect pollinators, etc.).

H800005 - Insect Habitats A one-page report describing activities must accompany the exhibit.

H800006 - Macrophotography

Subjects should be insects, spiders or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be 8½” x 11” and mounted on rigid, black 11” X 14” poster or matt board. Either orientation is acceptable. No frames or mat board framing is allowed. A caption of a few sentences should explain the subject and be printed on white paper and glued below the print on the poster board.

H800007 - Insect Poster/Display Exhibits

Exhibits can be posters or three-dimensional displays, and artistic creativity is encouraged. Posters should be no larger than 22" x 28". They should be instructional and can be attractive and have pictures, drawings, charts, or graphs. Posters and displays may show any aspect of insect life, habitat, or related conservation or management. Examples include life history and other facts about an insect; insect anatomy; how to manage insects in a farm, home, lawn, or garden setting; experiences rearing one kind of insect; survey of an important insect; insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers, or lakes) and what insects are found there, etc. Three-dimensional displays, such as dioramas, sculptures, models or decorative boxes should have a page of explanatory information accompanying them and fit within a 22" x 28" area.

H800008 - Reports or Journals

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

Woodworking – All projects must have appropriate finish and/ or sealed.

Unit 3 Woodworking Article-Item should be made using either joints, hinges, dowels, or a dado joining.

Unit 3 & 4 Recycled Woodworking Display report must have "Reason for article finish (What type of finish, how did you finish or why you choose this finish?)

Educational Display for Animal Entries

Rules

4-H'ers are invited to create a poster highlighting an educational aspect of their animal project. The poster could focus on a current livestock issue, animal industry career, animal care or health, economic impacts of the livestock industry, within the species of dairy, beef, sheep, swine, goat, poultry, and rabbit.

Posters will be displayed in the entrance of the livestock buildings as a way to increase the educational experiences of both the 4-H member and the general public increasing agricultural literacy and promoting good will at the Nebraska State Fair. During the time when the corresponding animal is not stalled on the fairgrounds, the poster will be displayed in the 4-H Exhibit Building.

In order to be eligible for the State Fair, posters must have been exhibited at the county fair and received a purple ribbon. Because posters may have been exhibited at the county fair in outside conditions, it is understood that they may be re-done prior to Nebraska State Fair but the content and design should be similar

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

a 4-H'er is NOT required to exhibit their livestock/animal entry at the State Fair. The entry just needs to match the species that was exhibited at the county level.

H. Posters will be judged. Refer to scoresheet for this exhibit.

Classes

- **G-090-100 Educational Display**
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