

4-H EXHIBITS

(4-H Premium Table Shown on Page 2 of the Fairbook)

NOTE: "900" number Denotes NO State Fair Entry

Department A - Citizenship & Civic Education

Department A - Division 120

(Pay Category 2)

Enter exhibits at the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m. 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.

The official reference for the citizenship projects is Citizenship Public Adventures Kit (MI 7329) and Citizen Guide's Handbook (BU 7330). Other helpful citizenship references include Citizenship Washington Focus guides, Character Counts!, and Service Learning Information.

All entries must have a statement explaining the purpose of the exhibit and how the exhibit will be used. All exhibitors are encouraged to show evidence of their personal field experiences, study or observations that relate to their exhibit. This helps the judge understand what the 4-H'er did and learned in the process that led to the exhibit.

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

All entries should be labeled with the exhibitor's name, club, and county. Score sheets are available from the Extension Office. (SF 183)

CLASS NUMBER:

A1. Care Package Display. This exhibit is a display about the PROCESS of creating and giving a care package, not the actual care package. You may use a poster, Power Point, or another multi-media program to tell about the PROCESS of developing and giving a care package to a service organization. You need to answer the following questions in your exhibit: 1) How did you select the organization? 2) What items did you include in your care package? 3) Why did you select those items? 4) How did it feel to present your care package to the organization? 5) What did you learn from this experience? 6) Other information that you feel is important about the care package or organization. Some examples of care packages are: backpack for school supplies, litter pan for animal shelter items, suitcase for abuse shelter or homeless shelter, etc.

A2. Citizenship Game which could include but is not limited to symbol flash cards, question and answer board, or stimulation with props. Clear instructions on how to play the game and what the game hopes to accomplish must be included.

A3. Patriotic or Cultural Fine Arts can be made of any art media but should tie in the relevance of the artwork to citizenship.

A4. Public Adventure Scrapbook should describe your Public Adventure or Service Learning Activity. Scrapbooks must measure no more than 16" x 16".

A5. Public Adventure Poster should describe your Public Adventure or Service Learning Activity. Display posters must be stiff enough to stand when supported from behind and below. Length and width must be no more than 24" x 28".

A6. Written or Recorded Stakeholder Interview should follow the outline found in the Public Adventures Curriculum. It may be written or recorded.

A7. Written Citizenship Essay is designed to promote good citizenship and patriotism. This essay is open to all age groups. All essays should be 300 - 400 typewritten words.

A8. For 9th - 12th Graders Only: Oral Citizenship Essay addressing the theme "Freedom's Obligations" should be 3-5 minutes. No background music, singing, or other enhancement allowed. All essays should

be on a good-quality cassette tape and in a natural style. Voice tone should be normal and conversational. A copy of the written essay should be attached.

A9. Service Items can include but aren't limited to lap quilt and homemade toys. Only non-perishable items will be accepted. Attached to the exhibit should be an explanation of who the recipient was and how the service project was made and used. The service item could be part of a larger community service effort.

A10. 4-H Club Exhibit should depict what a 4-H club has done in the area of community service. This item could include, but is not limited to, a service item, poster, scrapbook, cultural or creative arts item, or care package.

Division A – Department 130

Seeing i2i

(Pay Category 2)

CLASS NUMBER:

A1. Cultural Fine Arts can be made of any art media but should symbolize what makes them unique.

A2. How Are We Different? Interview should follow the interview guide in the participant manual on page 3 and should reflect on the differences and similarities between you and the person you are interviewing.

A3. Name Art should be a creative art exhibit that symbolizes or explains where your name came from and what it means. Can use any media.

A4. Family History depicting your family cultural history or the ethnic make-up of your community noting who were the first settlers, where did they come from, is there evidence of the background today (local celebrations, family celebrations, museum or educational displays, historical markers, etc.)

A5. Exhibit depicting a cultural food that is special to your family. Can be a story or essay.

A6. "This is Who I Am" poem.

A7. Poster that depicts what you have learned through the i2i Project.

A8. Biography about an historical figure that has made a positive impact on our society or who have made a difference in the lives of others.

A9. Play Script written about a different culture.

Department A - Heritage

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m. An exhibit of items, pictures, maps, charts, slides, tapes, drawings, illustrations, writings, or displays that depict the heritage of the member's family or community or 4-H history.

Displays should not be larger than 22" high x 28" wide. Pictures and other hanging items must have a wire hanger for display purposes. Display collections securely in an attractive container no larger than 22" x 28". Exhibits must include Name, County, and Past Experience (years in Explore Your Heritage, Family Folklore, or Foodways projects) on back of exhibit. All entries must have documentation included. Please note: Exhibits are entered at 4-H'ers own risk. We will not be responsible for loss or damage to family heirloom items or any items in this division.

Department A - Division 101

Level I Classes: Beginning

Pay Category 2 (1-4 Years in Project)

CLASS NUMBER:

A1. Heritage poster or flat exhibit. Entries may be pictures, posters, items that depict family heritage.

Exhibits must be supported by a written explanation.

A2. Family Genealogy/History Notebook. Include pedigree charts/family group sheets, with documentation for two-three generations of one family line, expanding each year. If multiple books included in exhibit, only bring book with most current year's work.

A3. Local History Scrapbook/Notebook. Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.

A4. Framed pictures of family groupings (or individuals) of pictures showing family history. Pictures should be supported by a written explanation.

A5. Other exhibits depicting the heritage of the member's family or community. Exhibit must be supported by a written explanation. May include, biographical album of themselves or another family member, family cookbooks, etc.

A6. 4-H History Scrapbook. A scrapbook relating 4-H history of local club or county. Must be work of individual 4-H'er - no club projects. If multiple books included in exhibit, only bring book with most current year's work.

A7. 4-H History Poster. Poster relating 4-H history of local club or county or individual.

A8. Story or illustration about a historical event.

A9. Book review about local, Nebraska, or regional history.

A10. Other historical exhibits. Attach an explanation of historical importance.

A11. Family Traditions Book. Exhibitor scrapbook depicting family traditions of the past.

A12. Family Traditions Exhibit. Story or illustration of a family tradition or event. Exhibits must be supported by a written explanation.

A13. 4-H Club/County Scrapbook. Scrapbook relating to 4-H history of local club or county, compiled by club historian. If multiple books included in exhibit, only bring book with most current year's work.

A14. 4-H Member Scrapbook. Scrapbook relating to individual 4-H member's 4-H history. If multiple books included in exhibit, only bring book with most current year's work.

A15. Special Events Scrapbook. A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal or family special event, such as a trip, family reunion, etc.

A900. Scrapbook. A scrapbook relating to the individual 4-H'er in some manner that does not fit any other category listed above. Examples include: the 4-H member's life story or their sports career.

Department A - Division 102

Level II Classes: Advanced

Pay Category 1 (Over 4 Years in Project)

A1. Heritage poster or flat exhibit. Entries may be pictures, posters, items, etc. that depict family heritage. Exhibits must be supported by a written explanation.

A2. Family Genealogy/History Notebook. Include pedigree charts/family group sheets, with documentation beyond two-three generations of one family line, expanding each year. If multiple books included in exhibit, only bring book with most current year's work.

A3. Local History Scrapbook/Notebook. Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.

A4. Framed family groupings (or individuals) of pictures showing family history. Pictures should be supported by an explanation.

A5. Other exhibits depicting the heritage of the member's family or community. Exhibit must be supported by a written explanation. May include, biographical album of themselves or another family member, family cookbooks, etc.

A6. 4-H History Scrapbook. Scrapbook relating 4-H history of local club or county. Must be work of individual 4-H'er - no club projects. If multiple books included in exhibit, only bring book with most current year's work.

- A7. 4-H History Poster.** Poster relating 4-H history of local club or county or individual.
- A8. Story or illustration** about a historical event.
- A9. Book review** about local, Nebraska, or regional history.
- A10. Other historical exhibits.** Attach an explanation of historical importance.
- A11. Exhibit depicting the importance of a community** or Nebraska historic landmark.
- A12. Community Report** documenting something of historical significance from past to present.
- A13. Historic collection** (displayed securely & attractively in a container no larger than 22" x 28").
- A14. Video/DVD or slide/tape documentary of a family or a community event.** Must be produced and edited by 4-H member.
- A15. 4-H Club/County Scrapbook.** Scrapbook relating 4-H history of local club or county compiled by club historian. If multiple books included in exhibit, only bring book with most current year's work.
- A16. 4-H Member Scrapbook.** Scrapbook relating to individual 4-H member's 4-H history. If multiple books included in exhibit, only bring book with most current year's work.
- A17. Special Events Scrapbook.** A scrapbook relating to a 4-H special event, such as Congress or CWF or a personal or family special event such as a trip, family reunion, etc.
- A900. Scrapbook.** A scrapbook relating to the individual 4-H'er in some manner that does not fit any other category listed above. Examples include: the 4-H member's life story or their sports career.

Department B - Banners

Division 150

(Pay Category 5)

Each club may submit one banner. Enter banners in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m. Each banner should illustrate a phase of 4-H work or promote 4-H generally. Copyrighted materials cannot be used. When using the official 4-H Emblem (clover with the H's on each leaf) it must follow approved guidelines which can be viewed at http://www.national4-hheadquarter.gov/emblem/4-h_name.htm.

Banners are a two dimensional display, depicting one idea. Guidelines are listed below. Dimensions are to be 3-ft. x 6-ft. The banners can be arranged horizontally or vertically but will be displayed with the 3-ft. side on the top. The exhibit will not be penalized for being arranged horizontally.

Banners must be hung on at least a 1/2" dowel or a rod strong enough to support the banner. The dowel should be at least 2 inches longer than the banner. The dowel should be on the 3-ft. side so banner will hang 3-ft. across and 6-ft long. On each end of the dowel stick, there must be a chain six inches long. One end of the chain will be fastened to the end of the dowel and the other end must be connected to an "S" hook which will permit the banner to be hung in the exhibit building.

Attach a label and entry tag to the front lower left-hand (as you face it) corner of the banner. The label should include the name of the club.

CLASS NUMBER:

B901. Banners

Department B - Booths

Division 160

(Pay Category 5)

To reserve space for a 4-H booth, a \$10.00 deposit is required by July 17. This \$10.00 will be refunded after the fair if the booth was set up.

Booth size is 4' x 6' x 6'. Booths must be in place on the Wednesday by 7:30 p.m. in the Exhibition Hall. Booth space for 4-H educational exhibits is reserved for displaying a specific idea in a

project or activity. Topics for consideration include: Citizenship, Careers, Health, Energy, Cultural Understanding, Leadership, 4-H Recruitment, & Community Involvement.

CLASS NUMBER:

B900. 4-H Booth

Department B - Club Exhibits

Department B - Division 800

(Pay Category 2)

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m.

CLASS NUMBER:

B900. Secretary's Book. One book per club.

B901. News Reports. Assemble in notebook or as a poster.

NOTE: Club Scrapbook. Enter club scrapbooks in Department A Heritage, Division 101, Class A13 or Division 102, Class A15.

* See 4-H Club Exhibit under Citizenship & Civic Education for another club exhibit.

Department B - Performing Arts

Division 155 - Performing Arts

(Pay Category 1)

The Performing Arts Contest will be Friday at 6:00 p.m. on the Kimmel Event Center stage, with the Fashion Show. Ribbons will be awarded to each contestant and premium money to each group. Register by July 17.

All participants must be Otoe County 4-H members. A 4-H'er may perform in one individual and in one group class. Each group is allowed two minutes to arrange themselves on stage and begin performing. The performance of each group is limited to not more than six minutes. A 4-H member, leader, or parent may provide the accompaniment. Recorded background music may be used in Classes B901, B903 and B905. Performing groups must bring their own CD player if recorded accompaniment is used. You must provide your own music stands. A group may appear with or without a director, but a director must be a 4-H member. No State Fair Competition.

CLASS NUMBER:

B901. Drill Team. May be a drill, square or folk dance, tap dance or routine done as a group. Must have at least 3 participants.

B902. Song Group. Piano, guitar, or other instrument.

B903. Song Group. Recorded music for accompaniment.

B904. Combo or Band. Group must be three or more with instruments of their choice, including piano. May include vocalists.

B905. Solo or duet - vocal

B906. Solo or duet - instrumental

B907. Solo or duet - dance

Department B - Photography

KATHY SCHEER, Superintendent

All photography exhibits will be entered on Saturday, July 22, 9:00 a.m.-11:30 a.m. at the Luther Memorial Church in Syracuse. There will be optional interview judging for the photography exhibits. Interview judging will take place on a first come, first served basis.

- A. 4-H'ers are allowed entries in only one unit: Unit 1, Unit 2 or Unit 3.
- B. A photograph may only be used on one exhibit and may be taken with a film or digital camera.
- C. Only one (1) entry per class.
- D. Photos must be shot during the current project year by the 4-H member.
- E. Securely attach photos. (Recommend double stick tape). Photos that are unattached will be disqualified.
- F. Do not use photo corners, borders, or place coverings over the exhibits. Do not include negatives.
- G. Entry Tag must be securely attached to the upper right hand corner of displays or prints.
- H. Instructions for Display: Mount on a single horizontal 11" x 14" black poster or matting board. 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. Mount pictures both vertically and horizontally for eye appeal.
- I. Instructions for Exhibit Prints: All exhibit prints are 8" x 10" prints mounted in 11" x 14" (outside size) cut matting (no frames) with a sandwich mat-board backing (not foam board); rectangular or oval inside mat opening. Place photos horizontally or vertically as appropriate. Unit II Print/Display Data Tags are required for Unit II. Unit III Data Tags are required for Unit III. Manual adjustments are strongly encouraged for Unit III Exhibits.
- J. DATA TAGS

Data Tags - required on ALL classes. Data tags are available at otoe.unl.edu or from the Extension Office. Securely attach the tags to the back of exhibits or include as page one in your photo showcase. Unit 1 journal and displays require the Unit 1 Data Tag. Unit II prints and displays require the Unit II Print/Display Data Tag. Unit II showcases require the Unit II Showcase Data Tag. All Unit III entries, including portfolios require the Unit III Data Tag.

Department B - Division 180

Unit 1 - Focus on Photography

Please read and follow all photography instructions on page 10 under Department B - Photography heading for photography guidelines.

(Pay Category 1)

CLASS NUMBER:

B901. Photo Journal. An entry will consist of a single completed and bound section of project 1, 2, 3, or 4 in the Level 1 manual titled "Focus on Photography." Complete all the Photo Journal pages within the project area, including the reviews. This can be recreated on the computer using actual pictures. Place pages in an 8 ½ " x 11" 3-ring binder. For your journal, complete Part A only of the Unit 1 Data Tag and use as page 1 of your journal.

B902. Photo Story Display. Entry will consist of a display of three 4" x 6" photos that tell the beginning, middle and end of a story. See Letter H - Instructions for Display under general photography guidelines at the beginning of the Photography Department on page 10. Needs Unit 1 Data Tag A & B.

B903. Fun With Shadows Display. Entry will consist of three 4" x 6" photos of three different subjects that capture the image of the shadow. See Letter H - Instructions for Display under general photography guidelines at the beginning of the Photography Department on page 10. Needs Unit 1 Data Tag A & B.

B904. Magic And Tricks Display. Entry will consist of a display of three 4" x 6" photos of three different subjects that use a "special effect" to create interesting photos. See Letter H - Instructions for Display under general photography guidelines at the beginning of the Photography Department on page 10. Needs Unit 1 Data Tag A & B.

B905. "150 Years of 'NEBRASKA' Farm & Family Fun"- Photo depicting fair theme. 1 photo any size mounted with a 2" mat border. Does not need to be sandwiched backed. Needs Unit 1 Data Tag A & B.

Department B - Division 181

Unit 2 - Controlling the Image

Please read and follow all photography instructions on page 10 under Department B - Photography heading for photography guidelines.

(Pay Category 1)

B10. Controlling the Image Showcase. Choose one lesson for each of the four project areas in the Level 2 project manual titled "Controlling the Image." For example you might choose You Take Control from Project Area 1, Lighting in a Flash from Project Area 2, The Rule of Thirds from Project Area 3, and Bits and Pieces from Project Area 4.

Take three photos that showcase each lesson, for example 3 photos using different shutter speeds or 3 photos showcasing the Rule of Thirds. You will take 12 photos in all.

Mount 4" x 6" photos on white paper. For each set of 3 photos include a short paragraph describing the lesson you are illustrating and changes you made. For example changes made to your camera settings for each photo (shutter speed, aperture, and type of lighting). You may also draw the rule of thirds on your photos.

Place pages in an 8 1/2" x 11" black or white 3-ring binder. Plastic sleeves are recommended for each page. Showcase Data Tags are required. For your showcase complete only the Showcase Data Tag and include this as page one of your showcase.

B20. Manual Setting Exhibit Print. Entry will consist of a print that showcases the participant's ability to master the manual settings on the camera. 1) Manual Focus, 2) Manual Aperture, 3) Manual Shutter Speed, 4) Combination of any of the listed techniques, 5) Other technique not listed. For exhibit print, see Letter I - Instructions for Exhibit Print under general photography guidelines at the beginning of the Photography Department on page 10.

B30. Lighting Display or Exhibit Print. Entry will consist of a display of 3 pictures of 3 different subjects or an exhibit print that demonstrates lighting effects (Low Lighting, Hard Lighting, Soft Lighting, Silhouettes and Lighting with a Flash). For picture display, see Letter H - Instructions for Display under general photography guidelines at the beginning of the Photography Department on page 10. For exhibit print, see Letter I - Instructions for Exhibit Print under general photography guidelines at the beginning of the Photography Department on page 10.

B40. Composition Display or Exhibit Print. Entry will consist of 3 completely different views or angles of the same subject or a print that illustrates one of the following composition lessons in the Level 2 Project Manual (Rule of Thirds, The Golden Photo, Space Tells the Story, Building a Photo, and Capture a Candid Photo). For picture display, see Letter H - Instructions for Display under general photography guidelines at the beginning of the Photography Department on page 10. For exhibit print, see Letter I - Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B50. Smart Phone Candid Capture Display OR Exhibit Print. Entry will consist of a display of 3 pictures of 3 different candid shots OR an exhibit print that captures a candid, unposed moment. *This class is only for photos captured on mobile device (phone or tablet). For picture display, see Letter H - Instructions for Display under general photography guidelines at the beginning of the Photography Department on page 10. For exhibit print, see Letter I - Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B60. Nebraska Exhibit Print. Reflect your definition of rural Nebraska. Capture rural living in your Nebraska county through your camera lens. Use your photo to express what rural means to you, why you value rural life or how rural life is changing. this is your story to tell. For exhibit print, see Letter I -

Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B906. Photo depicting fair theme, "150 YEARS OF 'NEBRASKA' FARM & FAMILY FUN"- 1 photo any size mounted with a 2" mat border. Does not need to be sandwiched backed. Needs Unit II Print/Display Data Tag.

Department B - Division 182

Unit 3 - Mastering Photography

Manual adjustments are strongly encouraged for Unit III exhibits. Please read and follow all photography instructions on page 10 under Department B - Photography heading for photography guidelines.

(Pay Category 1)

B10. Photography Portfolio. Entry will consist of ten photos that represent the strongest collection of your work. Photos may have been taken at any time during the 4-H experience and may have been previously exhibited. Photos can only be used in a portfolio once.

Place photos in plastic sleeve and present them in an 8 1/2" x 11" black or white 3-ring binder. No matting is necessary.

On the first page of the portfolio include a table of contents listing a title for each photo in your collection and a narrative describing the overall intent for the portfolio. For example the portfolio could include a range of your work from your earlier years in 4-H photography to the present, you could have a creative theme for your portfolio or you could include photos that illustrate your diverse photography skills.

On the page prior to EACH photo include an information sheet for each photo that includes 1) Unit III Data Tag 2) the photograph title and 3) a paragraph describing how the photo contributes to the overall intent of your portfolio. The information sheet and the photo should create a 2 page layout so that when the portfolio is open the information sheet is the page on the left and the photo is the page on the right.

B20. Advanced Lighting Exhibit Print. Entry will consist of a print that illustrates creative lighting. For exhibit print, see Letter I - Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B30. Breaking The Rules. Entry will consist of a print that presents a unique focal point and uses different viewpoint, lines, shapes and spacing to create a compelling image. For exhibit print, see Letter I - Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B40. Portrait Exhibit Print. Entry will consist of a print that captures both physical characteristics and personality in their subjects. For exhibit print, see Letter I - Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B50. Challenging Exhibit Print. Entry will consist of a print that illustrates a special effect: 1) Double Exposure, 2) Light Painting, 3) Flash Multiple Exposure, 4) Filters, 5) Night Time Exposure, 6) Digitally altered photos, 7) Other technique not listed. For exhibit print, see Letter I - Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B60. Nebraska Exhibit Print. Reflect your definition of rural Nebraska. Capture rural living in your Nebraska county through your camera lens. Use your photo to express what rural means to you, why you value rural life or how rural life is changing. This is your story to tell. For exhibit print, see Letter I - Instructions for Exhibit Prints under general photography guidelines at the beginning of the Photography Department on page 10.

B907. Photo depicting fair theme. "150 YEARS OF 'NEBRASKA' FARM & FAMILY FUN" - 1 photo any size

mounted with a 2" mat border. Does not need to be sandwiched backed. Needs Unit III Data Tag.

Department B - Posters

(Pay Category 3)

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m.

The purpose of a poster is to call attention to a subject. Every poster must be crafted to catch the viewer's attention quickly. Each must present only one specific message clearly. The poster should clearly feature some aspect of 4-H.

Posters will be judged on the following criteria: Idea: simple, clear message, appropriate for a poster. Lettering: readable from a distance, appropriate size in proportion to art. Art: one dominant, eye-catching element; art relates to written message. Arrangement: makes good use of entire poster space without being too crowded; art and lettering are well balanced. Color: use of bold colors that harmonize well; colors used are legible. Quality of Construction: neatness; appropriateness of materials used. Effectiveness: Works well as a poster. Entries which do not conform to size, content or material guidelines will be lowered one ribbon placing.

Posters must be 14" x 22" and must be of a material that can be pinned to a display board. They may be arranged either horizontally or vertically. Those generated by computer must also meet this standard. Computer art generated on an 8 1/2" x 11" sheet of paper and mounted on poster board will be disqualified.

Posters may be in any medium: watercolor, ink, crayon, markers or computer graphics, etc. They may not be three-dimensional. Posters may not use copyrighted materials, such as cartoon characters or commercial product names or logos or slogans. Avoid using cliches or over-used phrases that do not command the viewer's attention. When using the official 4-H Emblem (clover with the H's on each leaf), it must follow approved guidelines, which can be viewed at http://www.national4hheadquarters.gov/emblem/4h_name.htm. Computer "clip art" will not be scored as positively as original computer art designs.

Department B - Division 170

CLASS NUMBER:

B900. 4-H Promotion

B901. Open Theme. This category allows 4-H members to create a poster and theme to go with it.

Department B - Communications Contest

4-H Presentations Contest

Department B, Division 151

(Pay Category 1)

(Double Pay Category 1 For Teams)

The 4-H Communication Event will be Thursday, July 6, 7:00 p.m. at the Fair Center in Syracuse. This contest is composed of three divisions: 1) the 4-H Presentations Contest, 2) the Teaching (Trade Show Exhibit) Presentations Contest, and 3) the 4-H FilmFest (Digital Video) Contest.

Educational resources for youth participating in these three divisions can be found in the 2017 4-H Project Resource Central found at <http://4h.unl.edu/4hcurriculum/communication>.

A. Pre-Entry - Pre-registration is due at the Extension Office by the date listed in the TIPS. Ribbons and awards will be presented at the close of the contest. The contest schedule will be mailed to participants prior to the contest.

- B. A LCD projector and computer will be provided. Participants can provide their own computer or other equipment. Presentation may be brought on a CD-rom or USB drive that is PC formatted.
- C. Enrollment in the project area in which the participant is making a presentation is not required.
- D. Presentations must receive a purple rating in the county contest to attend the state contest.
- E. Live animals of any kind may be used in the presentation. Presenters are responsible for all stalling arrangements, care and handling of animals.
- F. Age Divisions - Senior Division, ages 12-18 as of January 1. Junior Division, ages 8-11 as of January 1.
- G. Premier Presenter Contest -The top individual or team in Class 113 who receive a purple can represent Otoe County at the State Fair Premier Presenter Contest.
- H. To be considered for the Nebraska State Fair, topics should be related to how the 4-H youth is learning about science, healthy living, citizenship, and agricultural literacy.

4-H Illustrated Presentations Contest

Department B - Division 151

A 4-H Presentation, given by one (1) individual or a team of two (2) individuals, is a live presentation with a formal talk where youth will use visual aids (such as props, posters, computer-based visuals, handouts, video, etc.) to show and tell others how to do something. 4-H Presentations should include an introduction (the “why” portion of the topic), a body (the “show and tell” portion of the topic), and a conclusion/summary (the “what” portion of the topic). The judge views the entire presentation and engages in a question and answer session following presentation.

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

CLASS NUMBER:

B113. Illustrated Presentation.

B114. Illustrated Presentation Special Topic: Nebraska Agriculture.

B115. Illustrated Presentation Special Topic: Nebraska Agriculture Food Preparation.

Teaching (Trade Show Exhibit) Presentations Contest

Department B - Division 152

A Teaching (Trade Show Exhibit) Presentation given by one (1) individual or a team of two (2) individuals, is a live, interactive, trade show style presentation where youth will continuously engage a constantly-changing/moving audience for 30 minutes by showing and telling them how to do something while answering questions. Teaching Presentations are given behind a table amongst 4-H exhibits. Judge occasionally stops to view presentation, ask questions, and observe audience engagement. If a 4-H'er would prefer doing this event at the Otoe County Fair with a constant moving audience, please contact the Extension Office.

4-H members will present for 30 minutes.

B001. Teaching Presentation

B002. Special Topic: Teaching Presentation: Science

B003. Special Topic: Teaching Presentation: Nebraska Agriculture

4-H FilmFest (Digital Video) Contest

Department B - Division 153

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

their digital video. The following digital videos may be entered: 1) Video Public Service Announcement – a short video that communicates an educational message focused on a cause, activity, or event (Length: 60 seconds); 2) Narrative – A video that tells a fact or fiction story (Length: 3-5 minutes); 3) Documentary – A video that presents factual information about a person, event, or process (Length: 3-5 minutes); 4) Animation – A video created by techniques that simulate movement from individual images (Length: 3-5 minutes).

The judge will view the video and engage in a question and answer session with the 4-H'er. The 4-H'er will be in front for a formal introduction and then seated in the audience for viewing of video.

B001. 4-H FilmFest (Digital Video)

Department B - Communications

All communication entries will be entered in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m.

Department B - Division 154 Communications

Module 1 - Communications

(Pay Category 2)

Use one or a combination of the experiential activities in the Communications, Module 1 curriculum to create an educational poster or essay sharing with others what you have learned. Topics may include, but are not limited to: communications and me; following directions; listening; cultures and communication; anti-bullying messages; business letters; reliable websites, and introductions.

CLASS NUMBER:

B900. Poster. Create a poster, measuring 14" x 22" that showcases what you learned in this project.

B901. Essay. Write an essay (1-2 pages) that showcases what you learned in this project.

Module 2 - Communications

(Pay Category 2)

Use one or a combination of the experiential activities in the Communications, Module 2 curriculum to create an educational poster or essay sharing with others what you have learned. Topics may include, but are not limited to: identifying cultural differences in communication, developing guidelines for internet etiquette, evaluating another person's presentation, Identifying communication careers, or preparing a presentation using a form of technology.

CLASS NUMBER:

B1. Poster. Create a poster, measuring either 22" x 28" or 24" x 36", that showcases what was learned in this project area.

B2. Essay. Write an essay (3-5 pages) that showcases what was learned in this project area.

Module 3 - Communications

(Pay Category 2)

Use one or a combination of the experiential activities in the Communications, Module 3 curriculum to create an educational poster, essay, or digital media sharing with others what you have learned. Topics may include, but are not limited to: composing a personal resume, completing research on a speech or presentation topic, identifying ways to reduce risks online, evaluating own cell phone usage and etiquette, critiquing advertisements, or job shadowing a communication professional.

CLASS NUMBER:

B3. Poster. Create a poster, measuring either 22" x 28" or 24" x 36", that showcases what was learned in

this project area.

B4. Essay. Write an essay (3-5 pages) that showcases what was learned in this project area.

B5. Digital Media. Design a form of digital media (advertisement, flyer, short video or presentation, social media or web page, etc.) that showcases what was learned in this project area. Upload the digital media file to an online location (web site, Dropbox, Google Drive, YouTube, Flickr, etc.) and using the web address of the digital media file, create a QR code (using any free QR code creator, ex. qr-code-generator.com). Print the following on an 8.5" x 11" sheet of cardstock: 1) the QR code, 2) 1-3 sentences about what viewers will see when they access the QR code on their mobile device.

Department C - Human Development

Department C- Division 200 Classes:

(Pay Category 2)

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. – 7:00 p.m. Please note that the term Human Development includes child care, family life, personal development, and character development.

To learn characteristics of suitable and unsuitable toys and for characteristics of children at various stages of development, please refer to the new 4-H online resource: <http://unl.box.com/s/eoigrjsuq67yvtq1def160mmjuhozvck> - What It Takes To Be Your Teen Babysitter. In addition another resource that will assist youth in understanding young children is the Nebraska Early Learning Guidelines - <http://www.education.ne.gov/OEC/elg.html>.

Criteria for Judging- Exhibits may not use copyrighted materials, such as cartoon characters or commercial product names. For Classes C1-C4, "Guidelines for Judging Toys", SF30 will be the basis for judging the exhibits. For Class C6, "Score Card for Evaluating Babysitting Kits" SF85 will be the basis for judging. For all other classes "Scorecard for Evaluating Poster, Scrapbook, and Educational Entries SF 115 will be used.

Information sheets for Classes C1-C6 should include: 1) Where did I get the idea for this exhibit? 2) What decisions did I make to make sure exhibit is safe for child to use? 3) What age is this toy, game or activity appropriate for and why? (Infant: Birth-18 mths; Toddlers: 18 mths-3 yrs; Preschoolers: 3-5 yrs or Middle Childhood: 6-9 yrs.) 4-H'ers must give at least 2 examples that help in understanding the appropriateness of this exhibit for the age of the child (see web site). 4) How is the toy, game or activity intended to be used by the child?

Information sheet for Class 8 should include: (1) What are children this age like? Give 2 examples to show how the kit would be appropriate for children this age. (2) What will the child learn or what skills will they gain by using the kit? (3) What item(s) were made by the 4-H'er. 4-H'ers should make one or more items in the kit, but purchased items are also allowed. (It is highly suggested that an inventory list of items in the kit be included).

Exhibitors in the Human Development project area will be asked to focus on designing toys that meet the different needs of children. Categories are based on the Early Learning Guidelines in Nebraska which identify the important areas our children should grow and develop. Use the Nebraska Department of Education website 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. The website is <http://www.education.ne.gov/OEC/elg.html>.

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

CLASS NUMBER:

Toy, game, or activity made for a selected and identified age group. Each area is a different class. Information sheet required or exhibit will be dropped a ribbon placing for classes 1-6.

C1. Social Emotional Development

C2. Language and Literacy Development

C3. Science

C4. Health and Physical Development

C5. Math

C6. Creative Arts

C7. Activity With A Younger Child. Poster or scrapbook showing 4-H'er working with a child age 0 to 8 years. May show making something with the child, or child care or child interactions. May include photos, captions, story or essay. Size of exhibit is your choice. Other people may take photos so 4-H'er can be in the photos. 4-H'er must make scrapbook or poster. No information sheet needed.

C8. Babysitting Kit. State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for. Purpose of the kit is for the 4-H'er to take with them when they babysit in someone else's home. Do not make kit for combination of ages or for your own family to use. 4-H'er should make one or more items in the kit, but purchased items are also allowed. A list of items in the kit is suggested to be included. Display in box or bag suitable for what it contains. Approximate size not larger than 12" x 15" x 10". All items in kit must be safe for child to handle.

Information sheet for Class 8 should include: 1) What are children this age like? Give 2 examples to show how the kit would be appropriate for children this age. 2) What will the child learn or what skills will they gain by using the kit? 3) What item(s) were made by the 4-H'er? Most importantly the kit should serve a defined purpose, not just be a catch all for several items.

C9. Family Involvement Entry. Scrapbook, poster or story describing an activity the family did together. It might include making something such as a doll house or feedbunk. Items may be exhibited if desired. Other possibilities include a house or farm cleanup project, a family reunion, a celebration of a family milestone, a trip or vacation, moving, a community service project. Photographs are encouraged. Visuals should show family participation. Participation by all family members is important. Include a list of family members and what each person did to participate in the event.

4-H'ers taking Growing All Together (2 or 3) may enter C10 and C11:

C10. Growing with Others. Scrapbook or poster. Examples: How to decide if it's time you can be home alone, and related activities. How responsibilities and privileges are related. Friendships. Working with others. Understanding rules and boundaries. A family tree. A family rules chart. A family meal plan, with pictures of a special family meal. A home safety checklist. Being street smart (safety). A school scrapbook showing yourself and your school activities, memories, and special interests.

C11. Growing In Communities. Scrapbook or poster. Examples: A career study. A photo story about your own growth and development, not only physically but emotionally, socially, spiritually, mentally. A television evaluation (see project manual). How you have overcome obstacles. Friendships. A community profile. A community service project. Working with parents. Teaching experiences. Understanding discipline. Playground safety check.

C900. Other item made in this project

C901. Other item made in this project

Department C - Clothing

KAREN WINDHORST, Syracuse, Superintendent

LaSHELLE ZIMMER, Asst. Superintendent

All clothing exhibits will be entered on Saturday, July 22, starting at 9:00 a.m. - 11:30 a.m. at the Luther Memorial Church in Syracuse. There will be optional interview judging for all clothing entries. In construction interview judging the 4-H'er visits with the judge about his/her garment(s).

Only one (1) entry per class. The 900 series indicates the entry is not eligible for State Fair.

The 4-H'er can make items for themselves or for another person. In projects where an extra exhibit is indicated, that exhibit can be 1 garment or an entire outfit, all constructed by the 4-H'er.

Exhibits that do not meet requirements will be judged "as is" and will be dropped one ribbon placing.

Department C - Division 230 Fair Theme

(Pay Category 2)

C900. Clothing item you have decorated featuring "150 YEARS OF 'NEBRASKA' FARM & FAMILY FUN" theme.

C901. A clothing accessory you made that features the "150 YEARS OF 'NEBRASKA' FARM & FAMILY FUN" theme.

Department C - Division 221

STEAM: Beyond the Needle

(Pay Category 1)

4-H members must show their own original creativity.

CLASS NUMBER:

C1. Design Portfolio. 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 8½" x 11" 3-ring binder. Include an appropriate cover. (Additional pages can be added each year but should be dated.) See pages 14-16 for portfolio formatting.

C2. Color Wheel. Create your own color wheel, complimentary color bar or color scheme using pages 27-39 in the project manual. The exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".

C3. Embellished Garment with Original Design (eligible for State Fair Fashion Show). Create a garment using intermediate or advanced techniques as defined in the project manual. Designs are the original idea of the 4-H'er using the elements and principles of design to make an original statement.

C4. Original Designed Fabric Yardage. Fabric yardage is designed using techniques such as those found in the manual. Other embellishments may be added. Exhibit consists of at least one yard of finished fabric. Include information on how the fabric was designed - describe the process and materials used and how the fabric will be used. If additional information is not included, exhibit will be lowered one ribbon placing.

C5. Item Constructed From Original Designed Fabric (Garment eligible for State Fair Fashion Show). Fabric yardage is designed first, then an item is constructed from that fabric. Other embellishments may be added. Include information on how the fabric was designed – describe the process and materials used. If additional information is not included, exhibit will be lowered one ribbon placing.

C6. Textile Arts Garment or Accessory (Garment eligible for State Fair Fashion Show). A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. A description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing.

C7. Fashion Accessory (Not eligible for State Fair Fashion Show). An accessory designed and/or constructed using elements and principles of design; can be textile or non-textile based. Examples: shoes, bracelets, scarves, etc. A description of the design process must accompany the entry. If additional information is not included, exhibit will be lowered one ribbon placing.

C901. Beginning Embellished Garment. Create a garment using beginning techniques as defined in the manual, such as: stamping, stencil, painting, adding buttons and a jeans pocket applique. Designs are the original idea of the 4-H'er using the elements and principles of design to make an original statement.

C902. Beginning Textile Fashion Accessory. Accessory is constructed and/or decorated using techniques as defined in the manual. Examples include: hats, bags, scarves, aprons, etc.

C903. Other Garment or Accessory. Made using skills learned in Beyond the Needle.

C904. Other Garment or Accessory. Made using skills learned in Beyond the Needle.

C905. Jewelry

C906. Jewelry

Department C - Division 220

STEAM Clothing 1: Fundamentals

(Pay Category 2)

Beginner Level

(900 Numbers do not go to STATE FAIR)

4-H'er cannot have taken STEAM Clothing 2 or STEAM Clothing 3.

SEWING EXHIBITS:

C900. Pincushion

C901. Pillowcase

C902. Simple Pillow – no larger than 18" x 18"

C903. Rail Fence Pillow – no larger than 18" x 18"

C904. Laundry Bag

C905. Simple Table Runner

C906. Tote Bag

C907. Bag/Purse

C908. Simple Top – pullover top/shirt OR simple, lined vest

C909. Simple Bottom – pants, shorts, or skirt

C910. Simple Dress

C911. Other item constructed using skills learned in STEAM 1

C912. Other item constructed using skills learned in STEAM 1

C913. Upcycled Simple Garment. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. A "before" picture and a description of the redesign process must accompany the entry or it will be disqualified.

C914. Upcycled Accessory. A wearable accessory made from a used item. The item used must be changed in some way in the "redesign" process. A "before" picture and a description of the redesign process must accompany the entry or it will be disqualified.

NON-SEWN EXHIBITS:

C915. Clothing Portfolio. At least two different samples/activities from Chapter 2 or Chapter 3 of the project manual. The Portfolio should be placed in an 8½" x 11" 3-ring binder. Include an appropriate cover, dividers, and table of contents. (Additional pages can be added each year but should be dated.) See pages 9-11 for portfolio formatting.

C916. Sewing Kit. Include a list of sewing notions and purpose for each included. (pg. 12-17 in manual)

C917. Fabric Textile Scrapbook. Must include at least 5 different textile samples. Use Textile Information

Cards template on page 41 in project manual to identify fabric swatches. Place in 8½" x 11" 3 ring binder with appropriate cover. See project manual for fabric suggestions.

C918. What's the Difference? Share a project comparison and price point (pg. 118-119 in manual). The exhibit may be a notebook, poster, or small display and should not exceed 22" x 30".

C919. Clothing Service Project. Possibilities include pillows or pillowcases. Exhibit a notebook, poster, small display sharing information you generated. See pages 124-125 in project manual.

Department C - Division 222 Unit 2 –

STEAM Clothing 2: Simply Sewing

(Pay Category 1)

Intermediate Level

Exhibits entered in this project must reflect at least one new skill learned from this manual. (See project manual skill-level list) Garments may be made from any woven or knit fabric appropriate to the garment's design and should demonstrate sewing skills beyond STEAM Clothing 1. STEAM Clothing 1 exhibitor may not exhibit in STEAM 2.

4-H'ers enrolled in or who have completed STEAM Clothing 3 are not eligible.

NON-SEWN EXHIBITS:

C1. Clothing Portfolio. Complete at least four different samples/activities from Chapters 2, 3, or 4 of the project manual. The Portfolio should be placed in an 8½" x 11" 3-ring binder. Include an appropriate cover. (Additional pages can be added each year but should be dated.) See pages 9-11 for portfolio formatting.

C2.Expanded Textile Science Scrapbook. Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8½" x 11" 3-ring binder. Include an appropriate cover. See project manual for fabric suggestions.

C3.Design Basics, Understanding Design Principles. 4-H members enrolled in STEAM Clothing 2 may enter an exhibit sharing a learning experience from pages 17-20 in the project manual. Include answers to questions found on page 20 of the manual. The exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".

C4.Pressing Matters. 4-H Members enrolled in STEAM Clothing 2 may enter a ham or sleeve roll from pages 21-25 "A Pressing Matter" in the project manual. Exhibit should include answers to lesson questions that are most appropriate to include.

C5. Entrepreneurial Sewing. Using page 161-167 in the 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 and should not exceed 22" x 30".

C6. Upcycled Garment (not eligible for State Fair Fashion Show). Create a garment from used textile based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A "before" picture and a description of the redesign process must accompany the entry.

C7.Upcycled Clothing Accessory (not eligible for State Fair Fashion Show). A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. A "before" picture and a description of the redesign process must accompany the entry.

C8. Textile Clothing Accessory (not eligible for State Fair Fashion Show). Textile accessory is constructed using at least one skill learned in this project. 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.)

Sewn Exhibits (C13-C15 are eligible for State Fair Fashion Show):

C9. Top - vest acceptable

C10. Bottom - pants or shorts

C11. Skirt

C12. Lined or Unlined Jacket

C13. Dress - not formal wear

C14. Romper or Jumpsuit

C15. Two-Piece Outfit

C916. Other Garment. Constructed using skills learned in STEAM Clothing 2.

C917. Other Garment. Constructed using skills learned in STEAM Clothing 2.

STEAM CLOTHING 3

Garments as listed may be made from any pattern or any fabric and should demonstrate sewing skills beyond STEAM Clothing 2. Entry consists of complete constructed garments only. Garments as listed may be made for self or others. PLEASE NOTE: Pajamas cannot be modeled in STEAM Clothing 3.

Department C - Division 223

STEAM CLOTHING 3 – A STITCH FURTHER

(Pay Category 1)

Advanced Level

NON-SEWN EXHIBITS:

C1. Clothing Portfolio. Complete at least four different samples/activities from Chapter 2, Chapter 3 or Chapter 4 of the project manual. The Portfolio should be placed in an 8½" x 11" 3-ring binder. Include an appropriate cover. (Additional pages can be added each year but should be dated.) See pages 11-13 for portfolio formatting.

C2. Expanded Textile Science Scrapbook. Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8½" x 11" 3-ring binder. Include an appropriate cover. See project manual for fabric suggestions.

C3. Advanced Entrepreneurial Sewing. Using lessons learned in Chapter 5 of the manual, display one sample product with a business plan that includes a business ID and logo. The Exhibit may be a notebook, poster, or small display. Exhibits should not exceed 22" x 30".

C4. Upcycled Garment (not eligible for State Fair Fashion Show). Create a garment from used textile based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A "before" picture and a description of the redesign process must accompany the entry.

C5. Upcycled Clothing Accessory (not eligible for State Fair Fashion Show). A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. A "before" picture and a description of the redesign process must accompany the entry.

C6. Textile Clothing Accessory (not eligible for State Fair Fashion Show). Textile accessory is constructed using at least one skill learned in this project. 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.)

SEWN EXHIBITS (C7 - C14 are eligible for State Fair Fashion Show):

C7. Dress

C8. Formal

C9. Skirted Combination. Skirt with shirt, vest, or jacket OR Jumper and shirt.

C10. Pants or Shorts Combination. Pants or shorts with shirt, vest, or jacket.

C11. Romper or Jumpsuit.

C12. Specialty Wear. Includes: swim wear, costumes, hunting gear, or chaps.

C13. Lined or Unlined Jacket (non-tailored).

C14. Coat, Blazer, Suit Jacket or Outerwear. 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 at the State Fair.

C901. Make One-Buy One – the exhibit is a purchased garment with constructed garment(s) to make a complete, wearable outfit. Both constructed and purchased items must be included in the exhibit. An incomplete exhibit will be disqualified.

C902. Other garment. Constructed using skills learned in STEAM Clothing 3.

C903. Other garment. Constructed using skills learned in STEAM Clothing 3.

KNITTING & CROCHET

Exhibits will be entered on Saturday, July 22, from 9:00 a.m. - 11:30 a.m. at the Luther Memorial Church in Syracuse. Criteria for judging knitting and crocheting: Design and Color, Neatness, Knitting Mechanics or Crocheting Mechanics, Trimmings, and Construction Finishes.

Department C - Division 225

Knitting

(Pay Category 1)

(900 Numbers do not go to STATE FAIR)

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

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

Beginner Unit I - Limit 3 entries.

C900. Knitted Clothing or Home Environment Item. No supporting information needed.

Middle Unit II - Limit 3 entries. (Garment eligible for State Fair Fashion Show)

C5. Knitted Clothing or Home Environment Item. Knitted item or garment using pattern stitches such as diamond, block, twist or seed/moss stitches.

Advanced Unit III - Limit 3 entries. (Garment eligible for State Fair Fashion Show)

C15. Knitted Clothing or Home Environment Item. Knitted item or garment made from advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, tamerna, plait, germaine, feather and fan, or knitting with one or more patterns such as Aran or Fair Isle.

Department C - Division 226

Crochet

(Pay Category 1)

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

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

Beginner Unit I - Limit 3 entries.

C901. Crocheted Clothing or Home Environment Item. No supporting information needed.

Middle Unit II - Limit 3 entries. (Garment eligible for State Fair Fashion Show)

C5. Crocheted Clothing or Home Environment Item. Crocheted item or garment using pattern stitches such as texture, shell, cluster or mesh stitches.

Advanced Unit III - Limit 3 entries. (Garment eligible for State Fair Fashion Show)

C15. Crocheted Clothing or Home Environment Item. Crocheted item or garment using advanced crochet stitches such as afghan, broomstick, hairpin lace, design motifs or pattern stitches.

CONSUMER MANAGEMENT

Department C

Shopping in Style focuses on purchased clothing. See the Fashion Show Section for entries there. Enter these exhibits on Saturday, July 22, 9:00 a.m. - 11:30 a.m. at the Luther Memorial Church in Syracuse.

Department C- Division 240

Shopping in Style

Age: 10 and over

(Pay Category 1)

General Information: If exhibit is a poster it should be on 14" x 22" poster board. If a three-ring binder is used it should be 8 1/2" x 11" x 1". Video exhibits should be less than 5 minutes in length and be able to be played on a PC using Windows Media Player, Real Player, or QuickTime Player.

C1. Best Buy for Your Buck. (Ages 10-13 before January 1 of the current year) Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video, no posters please (see general information above). Please do not include the Shopping In Style Fashion Show Information Sheet in your entry. Although both entries do share some information, there are differences

in content and format for this class.

Suggested for Ages 10-13 - Provide details about wardrobe inventory which indicates why you selected the garment you did, clothing budget, and cost of garment. Provide 3 color photos of you wearing the garment (front, side, back views).

C2. Best Buy for Your Buck. (Ages 14-18 before January 1 of the current year) Provide details of the best buy you made for your buck this year. Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, Year 2, Year 3, etc. Put the story in a binder or video, no posters please (see general information above). Please do not include the Shopping In Style Fashion Show Information Sheet in your entry. Although both entries do share some information, there are differences in content and format for this class.

Suggested for Ages 14-18 - Provide details listed for those ages 10-13 plus include body shape discussion, construction quality details, design features that affected your selection, cost per wearing, and care of garment. Provide 3 color photos of you wearing the garment (front, side, back views).

C3. Revive Your Wardrobe. Take at least two items in your wardrobe that still fit but that you don't wear anymore and pair them with a new garment or garments to make them wearable once again. Create a photo story which includes before and after photos and a description of what was done. Put in a binder, poster, or video (see general information).

C4. Show Me Your Colors. Select 6-8 color photos of you wearing different colors. Half should be what you consider to be good personal color choices and half should be poor personal color choices. Write a brief explanation with each photo describing your selections. Refer to the manual page 23 for more information. Entry should be a poster (see general information).

C5. Clothing 1st Aid Kit. Refer to page 73 of the manual and complete a clothing first aid kit. Include a list of items in the kit and brief discussion of why each was included. Put in appropriately sized box or tote with a lid. No larger than a shoe box.

C6. Mix, Match, & Multiply. Using this concept from page 32 of the manual take at least 5 pieces of clothing and create new outfits. Use your imagination to show various looks (i.e. on a clothes line, in a tree, on a mannequin). Include a brief discussion of each outfit which demonstrates what you have learned by completing this entry. Entry can be a binder, poster, or video (see general information).

Department C - Division 247

My Financial Future

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

Beginning/Intermediate

C1. Write 3 SMART financial goals for yourself (one should be short term, one intermediate, and one long term.) Explain how you intend to reach each goal you set.

C2. Income Inventory - Using page 13 as a guideline, list sources and amounts of income you earn/receive over a six month period. Answer the following questions: What were your income sources? Were there any steady income sources? What did you do with the income you received? Include your income inventory in the exhibit.

C3. Tracking Expenses - Use an app or chart like the one on page 17 to track your spending over 2 months. Answer the following questions: What did you spend most of your money on? What did you learn about your spending habits? Will you make any changes in your spending based upon what you learned? Why or why not? Include your chart in your exhibit.

C4. Money Personality Profile - Complete the money personality profile found on pages 21-22. Answer the following questions: What is your money personality? How does your money personality affect the

way you spend/save money? Have a friend or family member complete the money personality profile. Compare and contrast (how are you alike, how are you different) your money personality profile with theirs.

C5. Complete Activity 8 “What Does It Really Cost?” on pages 39-40.

C6. My Work; My Future - Interview three adults in your life about their careers or jobs using the questions on page 51 and record these answers. In addition, answer the following questions on your display. What did you find most interesting about these jobs? Where there any positions you might want to pursue as your career? Why/Why not? What careers interest you at this point in your life? What are three steps you need to do now to prepare for this career?

Intermediate/Advanced

C7. 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.

1. What are some benefits of receiving your pay the way you do (salary, commission, or hourly wage)?
2. What are some negative outcomes for getting paid the way you do?
3. 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.

C8. The Cost of Not Banking -Type your answers to the questions about Elliot on page 50.

C9. Evaluating Investment Alternatives - complete the case study of Jorge on page 64. Answer all three questions found at the bottom of the page.

C10. Understanding Credit Scores - Watch the video and read the resource listed on page 71. Answer the following questions:

1. Name 3 prudent actions that can reduce a credit card balance.
2. What are the main factors that drive the cost of credit?
3. 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.

C11. You Be the Teacher - Create an activity, story board, game or display that would teach another youth about “Key Terms” listed on page 62. Activity/display must include at least five (5) of the terms.

Department C - Fashion Show

Department C -Division 410

The Fashion Show judging will be Saturday, July 22, beginning at 9:00 a.m. at Luther Memorial Church in Syracuse.

4-H'ers must model in the public Fashion Show on Friday evening to be eligible for ribbon and premium money.

4-H'ers can model more than one garment per project and can model garments in more than one project area for a maximum of four (4) entries in this Fashion Show. However, a 4-H'er may model only one entry per fashion show class number and a maximum of two (2) entries in the public fashion show. The 900 series indicates the entry is not eligible for State Fair.

The outfit of each 4-H'er will consist of a garment(s) with appropriate accessories, which may be either handmade or purchased. Please note that information regarding each project outlined in Clothing Department C applies to projects entered in Fashion Show Department C, Division 410. All 4-H'ers need to pre-register for the Fashion Show by the date listed on the Fashion Show entry form.

Department C - Division 410

Beyond The Needle

(Pay Category 1)

C10. Embellished Garment with an Original Design. Garment is created using intermediate or advanced techniques as defined in the project manual. Designs are the original idea of the 4-H'er using the elements and principles of design to make an original statement.

C15. Garment Constructed from Original Designed Fabric. Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added.

C20. Textile Arts Garment(s). Garment is constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape.

C901. A purchased, constructed, original design, or upcycled garment to which surface embellishment has been applied.

C902. An outfit made for someone else using skills learned in Beyond the Needle. The individual for whom the outfit was designed will model in this class.

Department C - Division 410

STEAM Clothing 1

(900 Numbers do not go to STATE FAIR)

CLASS NUMBER:

C900. STEAM Clothing 1 – Non-Wearable Sewn Item

4-H'ers modeling will show one non-wearable sewn item - pillow, pillowcase, tote bag, etc. - made in this project and experience fashion show judging and the public fashion show. A "4-H is Fun" ribbon and standard premium of \$2.50 will be awarded.

(Pay Category 1)

C900. STEAM Clothing 1 – Wearable Sewn Items

4-H members who have enrolled in or completed STEAM Clothing 2 and STEAM Clothing 3 are not eligible.

C903. Simple Top (worn with purchased bottom)

C904. Simple Dress

C905. Simple Bottom (worn with purchased top)

C906. Complete Garment

C907. An outfit made for someone else using skills learned in STEAM Clothing 1. The individual for whom the outfit was designed will model in this class.

Department C - Division 410

STEAM Clothing 2

(Pay Category 1)

4-H members who have enrolled in or who have completed the STEAM 3 project are not eligible. A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants or shorts.

C20. Dress

C30. Skirted Outfit - Skirt with top, vest, or lined/unlined jacket

C40. Pants Outfit - Pants with top, vest, or lined/unlined jacket OR jogging outfit.

C50. Shorts Outfit - Shorts with top, vest, or lined/unlined jacket OR jogging outfit.

C60. Jumper and top

C70. Romper or jumpsuit

C907. Make One-Buy One – the exhibit is a purchased garment with constructed garment(s) to make a complete, wearable outfit.

C908. An outfit made for someone else using skills learned in STEAM Clothing 2. The individual for

whom the outfit was designed will model in this class.

Department C - Division 410

STEAM Clothing 3

(Pay Category 1)

Garments as listed may be made from any pattern or any fabric. Nightwear or loungewear cannot be modeled. A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants or shorts.

C110. Romper or jumpsuit

C120. Jumper and shirt

C130. Dress

C140. Skirted Outfit. Skirt with top, vest, or lined/unlined jacket.

C150. Formal.

C160. Pants Outfit. Pants or shorts with top, vest, or lined/unlined jacket.

C170. Specialty Wear. Swimwear, costume, western wear-chaps, chinks, riding attire, or hunting gear.

C190. Non-Tailored lined or unlined Jacket or Coat. Additional pieces with jacket or coat may either be constructed or purchased.

C200. Tailored Coat, Blazer, Suit Jacket, or Outerwear. Additional pieces with coat, blazer, jacket or outerwear may be either constructed or purchased.

C909. An outfit made for someone else using skills learned in STEAM 3. The individual for whom the outfit was designed will model in this class.

C910. An outfit made for someone else using skills learned in STEAM 3. The individual for whom the outfit was designed will model in this class.

Department C - Division 410 Knitting or Crocheting

(Pay Category 1)

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

C110. Modeled Knitted or Crocheted Clothing (Level 2 or 3) - dress, coat, or two piece ensemble (bottom and top).

C911. Make One-Buy One – the exhibit is a purchased garment with a knitted or crocheted garment to make a complete, wearable outfit.

Department C - Division 410

Upcycled Garment

(Pay Category 1)

4-H members enrolled in any of the above clothing projects may model an upcycled exhibit.

C915. An article of clothing made from a used item. The original used item must be altered (not just decorated) in some way to create a new wearable piece of clothing.

Department C - Division 410

\$15 Challenge

(Pay Category 1)

4-H members enrolled in any clothing project or Shopping in Style may model their \$15 Challenge exhibit. Purchase an outfit for \$15 or less. Complete the \$15 Challenge Report Form and turn

into the Extension Office by the date listed on the form.

C916. \$15 Challenge.

Department C – Division 410

Shopping In Style

(Pay Category 1)

Any 4-Her enrolled in the Shopping In Style project may enter this class in the fashion show. The Shopping in Style Fashion Show entry form SF184 must be turned into the Extension Office by the date listed on the form.

C4. Garment or Outfit Purchased

Department C - Home Environment

JILL REESE, Nebraska City, Superintendent

VICKI PARDE, Syracuse, Asst. Superintendent

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m.

The 900 series indicates the entry is not eligible for State Fair. Entries must include name and county on back of each separate piece of the exhibit.

Home Environment exhibits are evaluated by these criteria:

- 1) All Home Environment entries must be designed to be used for home decorating, home furnishings, or home management (no clothing, purses, note cards, scrapbooks/photo albums, etc.)
- 2) Accessories should be of high quality and suitable for use in the home several months throughout the year. Holiday specific items are discouraged.
- 3) Items should show creativity, along with the application of design elements and principles.
- 4) Entered in correct class: What medium was changed or manipulated? What medium is the majority of your accessory made from?
- 5) Items should be ready for display in the home (pictures framed, wall hangings and pictures ready to hang, etc). No single matboard or artist canvas panels allowed. Wrapped canvas (if staples not visible on edge) is accepted without framing. Make sure hangers are strong enough to support the item.
- 6) ALL EXHIBITS MUST BE ABLE TO BE EASILY MOVED BY 2 PEOPLE.

Exhibits selected for the State Fair ... Supporting information is required for ALL Home Environment exhibits at the Nebraska State Fair. Information must include the elements and principles of design used and steps taken to complete project. Exhibits without supporting information will be dropped a ribbon placing.

Department C - Division 250

4-H Home Environment Fair Theme

(Pay Category 3)

C900. A Door, Table Or Wall Arrangement with the "150 YEARS OF 'NEBRASKA' FARM & FAMILY FUN" Theme

Department C - Division 251

Design My Place

(Pay Category 2)

Beginner Level

(900 Numbers do not go to STATE FAIR)

CLASS NUMBER:

- C901. Needlework accessory** (made with yarn or floss)
- C902. Simple fabric accessory** (pillow, laundry bag, pillow case, table runner, etc.)
- C903. Accessory** made with original batik or tie dye
- C904. Simple accessory** made using wood.
- C905. Simple accessory** made using plastic (can be a Lego® creation).
- C906. Simple accessory** made using glass.
- C907. Simple accessory** made using clay.
- C908. Simple accessory** made using paper.
- C909. Simple accessory** made using metal tooling or metal punch.
- C910. Storage item** made or recycled.
- C911. Bulletin** or message board.
- C912. Problem Solved:** Use a creative method to show how you solved a problem (air quality, water, sound, temperature, lighting, fire escape plan, etc.)
- C913. Video** showing how to make a bed or organize a room, or the steps you used to make a simple accessory.
- C914. A different finished item made in this project.**
- C915. A different finished item made in this project.**

Department C - Division 260

Sketchbook Crossroads

(Pay Category 2)

Intermediate Level

Use techniques from manual or comparable techniques.

CLASS NUMBER:

- C1. Original pencil or chalk drawing** ready to hang. Scratch art accepted here. (p. 10-21)
- C2. Original ink drawing** ready to hang. (p. 22-28)
- C3. Home accessory** made with fiber. (p. 29)
- C4. Home accessory** made with felted wool. (p. 29-33)
- C5. Home accessory** made with cotton linter. (p. 34-36)
- C6. Home accessory** using batik. (p. 37-39)
- C7. Home accessory** made by weaving. (p. 40-47)
- C8. Home accessory** made with fabric exhibitor has dyed. (p. 48-50)
- C9. Original sculpted or thrown home accessory** made with clay (no purchased items). (p. 53-62)
- C10. An art exhibit** using one of the techniques in the above classes to show how art can define a sense of place, or life in Nebraska. For example - a pencil or ink drawing depicting life in Nebraska, using natural resources such as native grasses to make a weaving, using natural fibers for felting, or using roots, nuts, plants or flowers to dy fabric. Include the required information listed above and how this project represents life in Nebraska.
- C901. A different finished item made in this project.**
- C902. A different finished item made in this project.**

Department C - Division 261

Portfolio Pathways

(Pay Category 2)

Intermediate Level

Use techniques from manual or comparable techniques.

CLASS NUMBER:

- C1. Original acrylic painting** based on techniques learned in Pathways, framed and ready to hang. (p. 10-35)
- C2. Original oil painting** based on techniques learned in Pathways, framed and ready to hang. (p. 10-35)
- C3. Original watercolor** based on techniques learned in Pathways, framed and ready to hang. (p. 10-35)
- C4. Original sand painting** based on techniques learned in Pathways, framed and ready to hang. (p. 10-35)
- C5. Original encaustic painting** based on techniques learned in Pathways, framed and ready to hang. (p. 10-35)
- C6. Home accessory** made with any printing technique in Pathways Unit II. (p. 36-56)
- C7. An art exhibit** using one of the techniques in the above classes to show how art can define a sense of place or life in Nebraska. For example - solar printing; making prints using shed snakeskin or plant; an acrylic, oil; watercolor painting of scenes of your community or the surrounding area; or using objects from nature to make the painting. Include the required information listed above and how this project represents Nebraska life.
- C901. A different finished item made in this project.**
- C902. A different finished item made in this project.**

Department C - Division 256

Heirloom Treasures/Family Keepsakes

(Pay Category 1)

Advanced Level

(900 Numbers do not go to STATE FAIR)

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. Attach supporting information: 1) List of steps taken to complete your project. Before and after pictures encouraged. 2) Keepsakes documentation: how you acquired the item and the history of the item - may be written, pictures, audio or videotape of interview with family member, etc.

CLASS NUMBER:

C1.Trunks, including doll-sized trunks or wardrobes.

C2.An Article. Either a repurposed "treasure" (accessory) from an old item or an old "treasure" (accessory) refinished or renovated. May include a display of collection or collectibles, being careful not to destroy value of the collection.

C3. Furniture. Either a repurposed "treasure" from an old item or an old "treasure" refinished or renovated. May include doll-sized furniture.

C4.Cleaned and Restored Heirloom Accessory or Furniture. A reconditioned and cleaned old piece of furniture or accessory that is functional for use or display. Item might be cleaned and waxed, and simple repairs made. Item would not be refinished or repainted, but reconditioned to restore it to its original look or to prevent it from further damage as a valuable heirloom. Consult extension publication Care and Conservation of Heirloom Textiles, G1682 for information on textiles. (Refinished items go in classes 2-3). This class is for situations where it may be best to do very little to the item to maintain its antique value. Item or article should be of complexity suited to an advanced project.

C900. A different finished item made in this project.

C901. A different finished item made in this project.

Department C - Division 257

Design Decisions

(Pay Category 1)

Advanced Level

CLASS NUMBER:

C1. Design board for a room. Include: color scheme, wall treatment, floor treatment, etc. OR floor plan for a room - Posters, 22" x 28" or multimedia presentation (on CD). Show what you learned with before and after pictures or diagrams, samples, story, cost comparisons, optional arrangements, etc.

C2. Problem solved, Energy savers OR Career exploration. Identify a problem (as problem windows, storage needs, inconvenient room arrangement, cost comparison, energy conservation, waste management, etc.) OR explore a career related to home environment (what would it be, what education is needed, what would you do, etc.) Using poster, notebook, multimedia presentation (on CD) or other method, describe the problem and how it was solved OR your career exploration. (p. 74-93)

C3. Solar, wind, or other energy alternatives for the home. 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 exterior of home. (p. 74-93)

C4. Science experiment. Using illustrations or models, illustrate a science experiment related to home environment. Examples: compare energy use such as types of lighting for homes, water efficient processes or products, sun or landscaping to heat or cool homes.

C5. Community Service Activity. Show what was done as a community service activity related to this project. In a notebook, photo story, or poster, show the purpose and results of that activity. Ex: painting a mural at a daycare or 4-H building, helping an elderly person paint or clean their home, etc. May be an individual or club activity.

C6. Window Covering. May include curtains, draperies, shades, shutters, etc.

C7. Floor Covering. May be woven, braided, painted floor cloth, etc. May be exhibited as a poster or multimedia presentation (on CD).

C8. Bedcover. May include quilt, comforter, bedspread, dust ruffle, canopy, etc. For quilts, state who did the quilting (No tied fleece blankets). (p. 50-53)

C9. Accessory - Original Needlework/ Stitchery.

C10. Accessory - Textile - 2D (table cloth or runner, dresser scarf, wall hanging, etc.) No tied fleece blankets or beginning/10 minute table runners.

C11. Accessory - Textile - 3D (pillows, pillowshams, fabric bowls, etc.)

C12. Accessory - 2D

C13. Accessory - 3D (string art, wreaths, etc.)

C14. Accessory - Original Floral Design.

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

C15. Accessory - Original made from Wood – burn, cut, shape or otherwise manipulate.

C16. Accessory - Original made from Glass – etch, mosaic, stain, molten or otherwise manipulate.

C17. Accessory - Original made from Metal – cut, shape, punch, sculpt, reassemble or otherwise manipulate.

C18. Accessory - Original made from Ceramic or Tile – treatment to exhibit must go through process that permanently alters the medium. Painting alone is not sufficient.

C19. Accessory – Recycled/Upcycled Item for the home, reuse a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information.

C20. Furniture – Recycled/Remade, made or finished by using a common object or material in a creative way. Include description of what was done to recycle or reuse item in your attached information.

C21. Furniture - Wood Opaque finish such as paint or enamel.

C22. Furniture - Wood Clear finish showing wood grain.

C23. Furniture - Fabric Covered. May include stool, chair seat, slip-covers, headboard, etc.

C24. Furniture - Outdoor Living. Furniture made refurbished suitable for outdoor use. (NOTE: Will be displayed outside at State Fair). Include description of what was done to recycle or reuse item in your attached information.

C25. Accessory – Outdoor Living. Accessory made/refurbished by 4-H member suitable for outdoor use. (NOTE: May be displayed outside at State Fair). Include description of what was done to recycle or reuse item in your attached information.

C900. A different finished item made in this project.

C901. A different finished item made in this project.

Department C

Quilt Quest

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m. Interview judging will be optional Wednesday morning from 9:00 a.m. – 11:00 a.m.

Quilts must have a permanent label on the back in the bottom right corner with quilter's name and date of completion. All entry cards and support information must be attached using a safety pin. No straight pins.

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

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

For all classes, 4-H'ers can choose fabrics for the quilt from fabric bolts, jelly rolls, honey buns, layer cakes, charm packs, turnover, fat quarters, and/or a fabric kit.

After fabric selection, youth can use a variety of tools for cutting the fabric and completing the quilt. Cutting into pattern pieces may include hand roller die cutting machines that cut particular shapes which can be applied to fabric. This is allowed in the construction of the quilt. When judging Quilt Quest exhibits, the judges consider SF209 "Standards for Judging Quilts and Quilted Items."

Department C - Division 229

Quilt Quest

(Pay Category 1)

CLASS NUMBER:

C10. Exploring Quilts. Illustrate some aspect of quilts or quilt making. Examples include, but are not limited to: language arts, quilts of different cultures, chemistry, design, preservation, history, construction, math-conversion of quilt patterns, textiles/fabrics, computerization, and entrepreneurship. History may include history of an old quilt or history/research of a particular style of quilt such as Baltimore album quilts or Amish quilts. Exhibit may be a 14" x 22" poster, notebook, CD, Powerpoint, Prezi, DVD, YouTube, or other technique. All items in an exhibit must be attached together and labeled. No quilted items should be entered in this class.

C20. Quilt Designs other than Fabric. Two or three dimensional item with quilt design made using medium other than fabric, such as wooden quilt block, stained glass, paper, etc.

C30. Computer Exploration. Poster or notebook with a minimum of six computer generated quilt

designs or color variations on a quilt design. Include information of type of program used, process used to generate designs, or how you used color to create different quilt designs. Size of poster or notebook to be suitable for exhibit.

C40. Wearable Art. Quilted clothing or accessory which must have a recognizable amount of quilting and may include fabric manipulation. Quilting must be done by 4-H member. On a half sheet of 8 1/2" x 11" paper, tell how you selected the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.

C41. Inter-Generational Quilt. A quilt made by 4-H member and family members or friends of different generations. On a half-sheet of 8 1/2" x 11" paper, include an explanation answering the following questions: A) How was the quilt planned and who did what in the construction of the quilt? B) How did you select the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.?

C42. Service Project Quilt. A quilt constructed by a 4-H member or group to be donated to a worthy cause. On a half sheet of 8 1/2" x 11" paper, include an explanation answering the following questions: A) Why was the quilt constructed and who will receive the donated quilt? B) How did you select the design and fabrics used including whether or not you used a kit, jelly roll, charm squares, etc? C) What did you do and what was done by others?

Guidelines For Classes 50-83 Quilted Exhibits. On a half sheet of 8 1/2" x 11" paper, include an explanation answering the following questions: A) How did you select the design and fabrics including whether or not you used a kit, jelly roll, charm square, etc? B) What did you do and what was done by others? C) What did you learn you can use on your next project?

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

Quilted exhibit sizes:

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

(B) Medium -- length + width = 61" to 120".

(C) Large -- length + width = over 120"

CLASS NUMBER:

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

C50. Small

C51. Medium

C52. Large

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

C60. Small

C61. Medium

C62. Large

Level III Quilted Exhibits. 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, or other non-traditional styles.

C70. Small

C71. Medium

C72. Large

Premiere Quilt. Entire quilt is the sole work of the 4-H member, including quilting (hand or machine). Tied quilts are not eligible for this class.

C80. Hand quilted

C81. Sewing machine quilted

C82. Long arm quilted. Non-computerized/hand guided.

C83. Long arm quilted. Computerized.

Department D Conservation & Wildlife

Enter exhibits in Exhibition Hall on Wednesday from 4:00 p.m. - 7:00 p.m.

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

B. Show proper credit for the sources of plans or other supporting information used in exhibits.

C. The exhibitor's name, county, and age must be on the back or bottom of all displays so that the owner can be identified even if the entry tag becomes separated from the exhibit.

D. "Animal" or "Wildlife" in the following instructions includes wild fish, amphibians, reptiles, birds or mammals. Follow wildlife laws; example wildlife laws do not allow collection of bird nests, eggs, or any of their parts.

E. Related project books include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 59381), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H 125), and Outdoor Skills: Learning Science in the Outdoors series.

F. Board & Poster Exhibits -These are displays that show educational information about a topic of interest. Board exhibits can hold objects such as fishing equipment or casts of animal tracks. Mount all board exhibits on 1/4" or 3/8" thick plywood, masonite, or similar panel no larger than 24" x 24" wide. Poster exhibits should be on regular poster sheets, no larger than standard size (22" x 28") but half size, 22" x 14", is recommended.

G. Scoring - Sample score sheets are available at the Extension Office.

Department D - Division 340

Wildlife and How They Live

(Pay Category 2)

Classes D1-D4 are board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation, restoration, or management. Examples: life history or other facts about one type of wildlife, how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife study methods, wildlife behavior (example: when nesting, finding food, moving, etc.); habitats (examples: grasslands, wetlands, river or stream corridors) and what wildlife is found there; habitat needs for a

specific kind of wildlife. For more ideas, refer to project books.

CLASS NUMBER:

D1. Mammal Display

D2. Bird Display

D3. Fish Display

D4. Reptile or Amphibian Display.

D5. Wildlife Connections - Board or Poster Exhibit. The purpose of this display is to show interconnections and related aspects among animals, plants, and other habitat components. All displays should show two or more interactions (connections) that occur between/among animals or between animals and their habitat. Displays might show how animals interact. Examples: 1) Food chain display. Use pictures, drawings, or other items to illustrate the source of food energy and where it goes - who eats whom or what. Use arrows to show the direction of the energy (food) flow. 2) Show the role of predators, scavengers, insect eaters, or others in nature. 3) Show how wildlife numbers (populations) change through the year or with their habitat. 4) Show predation, competition, or other behavioral interactions of wildlife. 5) Choose one kind of wildlife and make observations through a season or year, keep notes of interactions, then make a display of what you saw. 6) For more ideas, refer to project books.

D6. Wildlife Tracks - Board or Diorama-Type Exhibit. Make a display of animal tracks using plaster-of-paris casts. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred. Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal.

D7. Wildlife Knowledge Check. Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife related knowledge. Plan size and shape to fit transportation and display; maximum size 24" x 24". Example: prepare a list of animals and questions about where each would most likely live. Rabbits - brushy areas along field borders; ducks - marshes, etc.

D8. Wildlife Diorama. Box must be no larger than 24" x 24". The exhibit might show a grassland, prairie, agricultural, woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: show a large unbroken grassland or prairie for area-sensitive species such as meadowlarks, greater prairie-chicken, lark bunting, grasshopper sparrows, Ferruginous hawk, burrowing owl, horned lark, upland sandpiper, or pronghorn; AND/OR show an area interspersed with several habitats such as windbreaks, farm fields, woods, waste areas, ditches, and pastures for edge-adapted species such as white-tailed deer, Northern bobwhite, ringland pheasants, 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.

D9. Wildlife Essay. Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife (commercial value, game value, genetic value, aesthetic value, ecological value, scientific value). You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder, or at other places. You might write about hunting, fishing, or ethics and proper behavior for hunting or fishing. For other ideas, refer to project books. The essay should be between 100 and 1,000 words long and should be typed, double spaced, or written so that it can be easily read. Standard size paper (8 1/2" x 11") format is preferred. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them.

D10. Wildlife Values Scrapbook. Make a scrapbook about the various values of wildlife following guidelines in the Wildlife Conservation project book. (4-H 125).

D11. Wildlife Arts. The purpose of this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, wood carvings, or painted duck decoys, or songs or poems written by the exhibitor. Entries must be appropriate for fair display and no larger than 24" x 24". For example, paintings or photographs should be displayed in notebook format or mounted on a sturdy display panel. All entries must include a title and brief explanation of the purpose or message (what is the exhibit meant to show).

Department D - Division 342

Wildlife Habitat

(Pay Category 2)

CLASS NUMBER:

D1. Houses. Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size, etc. are appropriate to fit the intended species' needs. Include the following information 1) kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, and 3) any seasonal maintenance needed. Tips: check NebGuide on bird houses and shelves.

D2. Feeders/Waterers. Make a bird bath or feeder. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; no insect feeders. Indicate the kinds of animal(s) for which the feeder or waterer is intended. Make the feeder or waterer functional so that it fits wildlife needs. Include the following information: 1) where and how the feeder or waterer should be located for best use and 2) how it should be maintained. Tips: check NebGuide on feeding birds.

D3. Wildlife Habitat Design. Board or poster exhibit. Choose a backyard, acreage, or farm, and design a habitat plan to meet the food, water, shelter, and space needs of at least three kinds of animals you would like to attract. Draw an outline of the area and show what plants or other habitat will be provided. Indicate how the various parts of your plan provide the desired habitat needs. You might include an aerial photo of the area if you have one. For ideas, check the Wildlife Habitat Evaluation Handbook, Participant's Manual (NE 4H4300)

Department D - Division 343

Harvesting Equipment

(Pay Category 2)

CLASS NUMBER:

D1. Fish Harvesting Equipment. 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: 1) purpose of each item and 2) when or where each item is used in relation to other equipment, and 3) any personal experiences you've had with the item(s).

D2. Build A Fishing Rod. Build your own fishing rod for exhibit and for fishing use. Rod building blanks and kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches length. Exhibit must be mounted on a board and labeled with the member's name, county and class number. Include with the exhibit the following items as a brief attachment: Explanation of cost of materials/components, where materials/components were purchased, how made, and number of hours required for construction. Identify all parts. Necessary components which must be included are grip, line guides (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibit will be judged on: workmanship, labeling of parts (guides, etc.) correct information, and neatness.

D3. Casting Target. Make a casting target for exhibit and use, following guidelines in the Fishing For Adventure project manual.

D4. Wildlife Harvesting Equipment. Board exhibit. Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed. Include in your exhibit the following information: 1) purpose of each item. 2) when or where it is used in relation to other equipment, and 3) any personal experiences you've had with the item(s).

D5. Inventing Wildlife/Fish Harvesting Equipment, Aid, or Accessory. Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype and any adjustments you made.

Department D - Division 346

Taxidermy

(Pay Category 2)

CLASS NUMBER:

D1. Tanned Hides or Taxidermy. Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information: 1) the animal's name and 2) information about the exhibitor's personal field experiences, study or observations that relate to the exhibit.

Department D – Division 347

4-H Shooting Sports

(Pay Category 2)

4-H Shooting Sports requires youth to be under the direct leadership of a certified 4-H Shooting Sports Leader in either shotgun, rifle (bb gun), archery, pistol, blackpowder/muzzleloader, and/or hunting skills. No firearms can be entered as an exhibit, however information can be shared through pictures.

CLASS NUMBER:

D1. Shooting Aid or Accessory. Any item which helps the shooter/hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc. Include your design, or plans you adapted, what the item is and used for.

D2. Storage Case. An item with the purpose to safely hold a firearm, bow, ammunition, and/or arrows, examples: soft sided shotgun case, quivers, firearm safe. Include your design or plans you adapted. Explain how the storage case is used.

D3. Practice Game or Activity. Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials from 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.

D4. Science, Engineering, Technology Advancements of Shooting Sports Essay or Display. Choose a specific area of shooting sports and share how it has advanced, include a timeline and photos or illustrations. Keep your topic narrow and manageable. Essays are limited to 1000 words and should be on 8 ½" x 11" paper.

D5. Healthy Lifestyles Plan. Include a shooter's diet and exercise plan and how the 4-H member will benefit or improve from following the plan. Ideally, the 4-H member would follow the plan and include some journal entries about adaptations or improvements made while following the plan.

D6. Citizenship/Leadership Project. Share a display on a citizenship project or leadership project the 4-H member took on individually or with a group to improve some aspect related to 4-H Shooting Sports. Examples could be range development, conservation planting to attract wildlife, a camp, 4-H recruitment event. Include who benefitted from the project, what the 4-H member's role was and any results.

D8. Career Development/Collage Essay, Interview or Display. Research opportunities for careers related to this area or opportunities for college majors or college activities to help discover using project skills beyond a person's 4-H career. Essays are limited to 1000 words and should be on 8 ½" x 11" paper. Interviews need to include a picture of the interviewee in their work setting, questions asked, and a transcript of answers.

D9. Community Vitality Display. Explore the difference shooting sports and hunting make in keeping Nebraska vibrant especially in rural areas. Present facts and research in an interesting way for the public to learn from.

D10. Ag Literacy-Value Added Agriculture Interview or Research Project. Explore how traditional ag producers are adding value to their production agriculture operations through conservation efforts, hunting, raising pheasants, shooting sports related tourism, etc. Present finding in an interesting way for the public to learn from.

Department D - Division 361

Other Natural Resources

(Pay Category 2)

CLASS NUMBER:

D1. Design your own exhibit in Natural Resources, Conservation or Ecology. This class is for educational exhibits about natural resources, conservation, wildlife, or ecology that do not fit into other categories. Entries must be appropriate for fair display and no larger than 24" x 24". All entries must include a title and should be clear (a brief explanation or other method) about the intended purpose or message -- what the exhibit is meant to show. Think about accuracy, creativity, educational value for viewers, and evidence of exhibitor's personal experiences and learning.

Department D - Forestry

(Pay Category 2)

Enter exhibits in the Exhibition Hall on Wednesday from 4:00 p.m. – 7:00 p.m.

GENERAL INFORMATION: The official reference for all forestry projects is the Tree Identification Manual (4-H 332). Other helpful forestry references include Trees of Nebraska (EC92-1774-X), Leafing Out (4-H 431) and Plant a Tree (EC 17-11-80).

Display "boards" must be made from wood or wood composite, e.g. plywood, fiberboard, or masonite, 1/4" x 1/2" thick and no larger than 24" x 24". Display boards may be coated, e.g., painted or varnished, on both sides to prevent warping.

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

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

At least 5 of the 10 samples in Class D2, D3, D4, and D5, must be from the list of 60 species described in 4-H 322. Samples must be from 10 different tree species. For example, Emerald Queen Maple and Crimson King Maple are both varieties of the same species (Norway Maple), and thus have the same genus and species name, i.e. *Acer platanoides*. All samples must be from trees, NO shrubs. If more than 10 samples are included in the display, only the first 10 samples from the current year will be

judged. Remember that other general labeling standards apply. For example, scientific names are always italicized or underlined. Also, the first letter of a Genus name is always capitalized. The first letter of a species name is always lower case. When required, always indicate complete scientific names (Genus and species) and common names (e.g. Norway maple) even when “variety names” are included. For example, the scientific name of Emerald Queen Maple is *Acer platanoides* and the common name is Norway Maple. “Emerald Queen” may be included as the variety name, but variety names are not required.

Department D - Division 320

CLASS NUMBER:

D1. Design Your Own Exhibit. Prepare an educational exhibit about some aspect of trees, forests, or forestry that is of special interest to you. Possible topics include paper recycling, wildfire, forest products, forest wildlife, or forest pests. The only requirement is that the display must be no larger than 24” x 24” x 24”. Photographs, drawings, samples, charts, posters, etc. can be used, but include enough information to adequately explain the topic. Your display should be substantially different from other display classes. Be as creative as you like.

D2. Leaf Display. The leaf display must include samples of “complete leaves” from at least 10 different tree species. The display must include at least two samples each of simple leaves, compound leaves, and conifer leaves. Leaves should be pressed, dried, and mounted.

Collection: Whenever possible, collect leaves from mature trees. Collect leaves any time after they have reached full size, usually beginning in early summer. Leaf samples should be in good condition and representative of the average leaves on the tree. Keep in mind that shaded leaves are often much larger than normal. Carefully remove leaves from the twig with the entire petiole or rachis intact. After collection, fresh leaf samples can be temporarily stored within the pages of an old magazine, but they should be properly pressed and dried for display. Be sure to record pertinent information during collection.

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

Labeling: The label for each sample must include: 1) common name, 2) scientific name, 3) leaf type, 4) leaf arrangement (for broadleaf trees), 5) leaf composition (for broadleaf trees) 6) exhibitor’s name, 7) collection date, 8) collection location (be specific, state and county at a minimum).

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

D3. Twig Display. The twig display must include twig samples from at least 10 different tree species. The display must include at least two samples of opposite and alternate leaf arrangements from broadleaf trees.

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

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

Labeling: The label for each sample must include: 1) common name, 2) scientific name, 3) leaf arrangement (for broadleaf trees), 4) exhibitor’s name, 5) collection date, 6) collection location (be

specific, state and county at a minimum). Supplemental information, e.g. general uses, tree characteristics, etc., may be included with the display to enhance educational value.

D4. Seed Display. The seed display must include seed samples from at least 10 different tree species.

Collection: Tree seeds should be collected at the time of year when they mature, which varies widely depending upon tree species. For example, Silver maple seeds mature in May while red oak acorns do not mature until September. Seed samples should be free of insect or disease symptoms. Remember to display seeds, not fruit. For example, the seed of honeylocust is enclosed in a pod. Remove and display the seed, not just the pod. It is acceptable to display the fruit with the seed, but clearly label each.

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

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

D5. Wood Display. The wood display must include wood samples of wood from at least 10 different tree species.

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

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

Labeling: The label for each sample must include: 1) common name, 2) scientific name, 3) wood type (softwood or hardwood), 4) exhibitor's name, 5) collection date, 6) collection location (be specific, state and county at a minimum). Supplemental information, e.g. common products, wood density, etc. may be included to enhance educational value.

D6. Cross-Section of a Tree. Display a disc cut from a tree species listed in 4H 332. The sample must be collected within one year of the county fair judging day. The disc must measure 6" to 12" in diameter and 1" to 3" thick. The bark should be firmly attached which may be difficult if the tree was dead when the disc was cut. Sand at least one side of the disc so the grain can be easily seen. If the disc is treated with a clear finish, both sides must be treated to minimize warping. As the disc dries, some cracking or checking can be expected and is allowed.

Labeling: The following parts must be clearly and accurately labeled on the cross section with pins, paper tags, or some other form of identification: a) pith, b) heartwood c) sapwood, d) one growth ring (beginning and end), e) cambium, f) bark.

A separate label attached to the back of the disc must include: 1) common name, 2) scientific name, 3) tree classification (softwood or hardwood), 4) age (of the cross section), 5) exhibitor's name, 6) collection date 7) collection location (be specific, state and county at a minimum).

D7. Parts of a Tree (This project is only for ages 8-11). Prepare a poster, no larger than 24" x 24" that clearly identifies the main external parts of any tree: a) trunk, b) crown, c) roots, d) leaves, e) flowers, f) fruit, g) buds, and h) bark. Identifying other internal parts, e.g. phloem, xylem, cambium, annual ring, pith, etc., is optional. Attach a separate label on the back of the poster that includes the exhibitor's name and age.

D8. Living Tree. Display a living tree seedling grown by the exhibitor from seed in the display container.

The seed must be from a species listed in 4H 332. The seedling must be 60 days to 1 year old (at time of County Fair). The display container must contain at least 8" of soil (potting mix or suitable natural soil), have drainage holes, and a drain pan to catch drainage water.

Labeling: A waterproof label must be attached and include: 1) common name, 2) scientific name, 3) seed treatments (if any), 4) planting date, 5) emergence date, and 6) exhibitor's name. Supplemental information about the tree, e.g where the seed was collected, growth measurements, uses for that species, etc. may be included in an attached notebook, poster, etc. to enhance educational value. Supplemental information will be an important factor in judging.

Department D - Conservation

Department D - Division 321

Eco-Wonders, Eco-Adventures, & Eco-Actions

(Pay Category 4)

(900 Numbers do not go to STATE FAIR)

CLASS NUMBER:

Eco-Wonders - Level 1

D901. Build Your Own Ecosystem. Follow directions and diagram on page 11 of Level 1 Manual.

D902. Food Web. Make a poster illustrating a food web for the ecosystem found in your backyard. See pages 14 and 15 of Level 1 manual. Follow guidelines for posters listed on page 11 of this fairbook.

D903. Weather Instrument or Weather Log. Make a rain gauge or pinwheel to determine direction of the wind. Follow directions for these on pages 19 and 20 of Level 1 Manual.

Eco-Adventures - Level 2

D904. Identify Flower Parts. Make a poster illustrating all of the parts of a flower. See pages 17-19 of Level 2 manual. Follow guidelines for posters listed on page 11 of this fairbook.

D905. Groundwater Model. Using diagram on page 27 of Level 2 Manual, construct a groundwater model of your area using colored clay or play dough. Include key to describe colors. Use poster board for the base no larger than 12" x 12".

D906. Soil Profile Poster. Dig a hole approximately 1 foot deep. Illustrate different soil types using crayons or colored pencils. Use page 15 in Level 2 Manual for reference.

Eco-Actions - Level 3

D907. Global Positioning System Chart. Using a GPS choose 5 landmarks and chart locations. For Example: your house, make sure to include street address along with GPS Description.

D908. Biotechnology. Inventory items found in your refrigerator. Explain how biotechnology is used to create these products and its benefits in an essay no longer than 2 pages typewritten.

AGRONOMY

GENE HOBBIE, Dunbar, Superintendent

CHERYL HOBBIE, Dunbar, Asst. Superintendent

Enter these exhibits in the Exhibition Hall on Wednesday from 4:00 p.m. - 7:00 p.m.

Department D - Range Management

General Information:

(Pay Category 2)

- A. Individuals in Reading the Range Unit 1 project may exhibit in Classes D1-D5 and D8.
- B. Individuals in the Using Nebraska Range Unit 2 project may exhibit in Classes D1-D8.
- C. 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.
- D. Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, and grass-like plants) can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2009), Common Grasses of Nebraska (EC170), and Common Forbs and Shrubs of Nebraska (EC118).

Department D - Division 330 - Books:

- A. For books, plants must be mounted on sheets that are or 14" x 14". Plants should be glued rather than taped and the mounts should be protected with a clear cover. Proper plant mount should include root as well as stem and leaf tissue.
- B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project requirements.
- C. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: 1. Scientific name (in italic or underlined), with authority, 2. Common name, 3. County of collection, 4. Collection date, 5. Collector's name, 6. Personal collection number, indicating the order that plants were collected in your personal collection, 7. Other information, depending on class selected, i.e., value and importance, life span, growth season, origin, major types of range plants. This information should be typed or printed neatly.

EXAMPLE:

Scientific name: *Schizachyrium scoparium* (Michx.) Nash

Common name: Little bluestem

County of collection: Otoe County

Collection date: 6 July 2017

Collector's name: John Doe

Personal collection number: 37

Value and Importance: Livestock Forage: High, Wildlife Habitat: High, Wildlife Food: Medium OR Life Span: Perennial OR Season of Growth: Warm Season OR Origin: Native

CLASS NUMBER:

D1. Value and Importance for Livestock Forage and Wildlife Habitat and Food Book -A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. Value and importance classifications can be found in the Range Judging Handbook and Contest Guide (EC150, Revised 7/2009) on pages 3-6. Plants can consist of any combination of grasses, grasslike plants, forbs, or shrubs. Assemble plant mounts in order of high, medium, and low value and importance. Label each plant mount with its value and importance classifications for each of the three areas; Livestock Forage, Wildlife Habitat, Wildlife Food.

D2. Life Span Book. A collection of 6 perennial plant mounts and 6 annual plant mounts selected from

grasses and forbs.

D3. Growth Season Book. A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.

D4. Origin Book. A collection of plant mounts of 6 native range grasses and 6 introduced grasses. Introduced grasses are not from North America and often used to seed pastures.

D5. Major Types of Range Plants Book. A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.

D6. Range Plant Collection Book. A collection of 12 range plant mounts with something in common (i.e. poisonous to cattle, or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.). Include a short paragraph in the front of the book which describes what the plants have in common and why you have chosen to collect them.

Department D – Division 330 – Displays

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

D7. Parts of a Range Plant Poster. Mount a range plant on a poster board. Label all the plant parts. Include the plant label in the lower right corner. Put your name and 4-H county on the back of the poster.

Department D - Division 330 - Boards

Boards should be no larger than 30" wide by 36" tall or if hinged in the middle a maximum of 60" wide by 36" tall. Boards should be adequately labeled.

D8. Range Plant Board. Will include 25 range forage species important to a particular county.

D9. Special Study Board. A display of the results of a clipping study, a degree of use study, range site study, etc.

D10. Junior Rancher Board. This exhibit should include a ranch map with record book or an appropriate educational display on some phase of rangeland or livestock management.

Department G - Field Crops

Individuals in the Crop Production Field Crops project may exhibit grain or plants or prepare an educational display representing their project.

General Information

(Pay Category 2)

A. Individuals in the Crop Production, Field Crops project may exhibit grain or plants or prepare an educational display representing their project.

B. Important: A two page (maximum) essay must accompany grain and plant exhibits. The essay must include the exhibitor'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 essay also must include an economic analysis of the project, listing individual expenses and income, on a per acre basis. Other topics to discuss are the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season, and what you learned from your crops project.

C. The essay counts as 50% of the total when judged. Essay must be the original work of the individual exhibitor. Attach the essay to the entry in a clear plastic cover such that it can be read without removing

it from the cover. In addition to the essay, grain and plant exhibits will be judged on condition, appearance (i.e. disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit.

D. 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.

E. Plant exhibits with the exception of ears of corn, must be the result of the current year's project. Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together); Grain Sorghum - 4 stalks (cut at ground level and bound together); Soybeans - 6 stalks (cut at ground level and bound together); Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long. Other crops (alfalfa, millet, etc.) - sheaf of stems 3" in diameter at top tied with stems cut at ground level or half size small square bale.

Department G - Division 750

CLASS NUMBER:

G1. Corn (includes yellow, white, pop, waxy, or any other type)

G2. Soybeans

G3. Oats

G4. Wheat

G5. Any other crop (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)

Department G - Division 750 - Displays

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

B. Each display must have a one page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor's name outside.

G6. Crop Production Display. The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, etc.

G7. Crop Technology Display. Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.

G8. Crop End Use Display. Display information about the uses for a crop, such as food, feed, fuel, or other products.

G9. Water or Soil Display. Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources.

G10. Career Interview Display. The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview 1 person that works with crops about such topics as, what parts of their job do they enjoy or dislike, why did they choose that career, what was their education, etc. Include a picture of the person interviewed.

Weed Science

Any individual in the Conservation, Environment 1, 2, or 3, Range, Reading the Range 1 or Using Nebraska Range 2, or Crop Production, Field Crops projects may exhibit weed book or weed display. The

book cover and at least 15 of the specimens must represent this year's work. For assistance identifying plants, participants can use the Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994) or Weeds of the Great Plains (2003)

Department G - Division 751 – Books

A. Display one plant on the book cover (no label required on cover specimen). Plants must be mounted on sheets that are no larger than 14" x 14". 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.

B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements. Refer to scoresheet SF261.

C. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: 1. Scientific name (in italic or underlined), with authority, 2. Common name, 3. County of collection, 4. Collection date, 5. Collector's name, 6. Personal collection number, indicating the order that plants were collected in your personal collection, 7. Other information depending on the class selected, i.e., noxious, life form. This information should be typed or printed neatly.

EXAMPLE:

Scientific name: *Abutilon theophrasti* Medik

Common name: Velvetleaf

County of collection: Otoe County

Collection date: 6 July 2017

Collector's name: John Doe

Personal collection number: 3

Life cycle: Annual

CLASS NUMBER:

G1. Weed Identification Book. A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plumeless thistle, salt cedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, bohemian knotweed, giant knotweed, sericea lespedeza or phragmites), and at least five weeds that are a problem primarily in lawns.

G2. Life Span Book. A collection of 7 perennials, 1 biennial, and 7 annual weeds.

Department G - Division 751 - Displays

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

B. Each display must have a one page essay explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor's name outside.

G3. Weed Display. The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as interesting information about a weed species, the effects of weed control, herbicide resistant weeds, what makes a weed a weed, or uses for weeds.

Department E

Food and Nutrition

ROBYN STUBBENDICK, Avoca, Superintendent

SARAH DAVIS, Nebraska City

DONNA SLUKA SMITH, Nebraska City

Asst. Superintendents

Enter all exhibits in Kimmel Event Center on Wednesday from 4:00 p.m. - 7:00 p.m.

4-H'ers have the option to participate in interview judging with all food entries. Interview judging will take place on a first come first served basis.

Members may exhibit only in the projects in which enrolled except where stated. Limit of (1) entry per class.

1. ALL Food Products exhibits must include the recipe. Recipe may be handwritten, photocopied or typed. 4-H exhibits not having the recipe will be lowered one ribbon. Place the food on the appropriate size plate. Put exhibit in a self-sealing bag. Attach tag and recipe at the corner of the bag on the outside.
2. Any cards or special items accompanying an exhibit must include exhibitor's name and county, printed on the back side.
3. For NON-FOOD ENTRIES -Attach the entry tag to the upper right-hand corner of the entry. Exhibits will be judged according to score sheets available at the Extension office.
4. A portion of each exhibit will be left for display. The remainder of each exhibit will be sold in the 4-H Bake Sale.

Commercially prepared mixes are allowed in the Tasty Tidbits Creative Mixes (Class 2) exhibit ONLY. Prepared baking mixes, biscuit mixes, or other pre-made mixes entered in other categories will be lowered a ribbon placing.

Food must be edible for human consumption.

Ingredients that the 4-H member cannot legally purchase, such as beer, whiskey, rum, etc. may not be used in any recipe or foods exhibit. Exhibits that include alcohol in the recipe will be disqualified. This includes menu and recipe file exhibits. EXHIBITS ARE ON DISPLAY FOR SEVERAL DAYS. Please limit exhibits to products which hold up well. Items that require refrigeration will not be accepted, judged or displayed. Food products must be unquestionably safe to eat when they are entered, whether tasted or not. Egg glazes on yeast products before baking are allowed. Glazes, frostings, and other sugar based toppings are also considered safe due to the high sugar content. Eggs incorporated into baked goods or crusts and cheeses mixed into bread doughs are considered safe. All fruit fillings must be cooked. Uncooked fruit is not allowed in any exhibit due to spoilage (i.e. fresh fruit tart). Cream cheese fillings and/or frostings are not allowed. Meat, dried meat, meat substitute pieces (bacon bits, pepperoni, etc.) or melted cheese toppings are not allowed in food exhibits. They may result in an unsafe food product by the time the item is judged due to unpredictable heat and/or weather conditions and will be disqualified.

2017 SPECIAL FOOD & NUTRITION EXHIBITS

Department E - Division 400 - Fair Theme

(Pay Category 3)

CLASS NUMBER:

E900. Cookies - any number, any kind, decorated with "150 YEARS OF 'NEBRASKA' FARM & FAMILY FUN" Theme, packaged as a gift. Open to any 4-H'er enrolled in a Foods project.

E901. A homemade gift from the kitchen with "150 YEARS OF 'NEBRASKA' FARM & FAMILY FUN" Theme. Open to any 4-H'er enrolled in a Foods project. Include recipe and who is the recipient of the gift.

Department E - Division 350

(Pay Category 1)

CLASS NUMBER:

E1. Food Science Explorations. Open to any 4-H'er enrolled in a Foods and Nutrition project. Show the connection between food and science as it relates to food preparation, food safety, or food production. Exhibit may be a poster or foam core board (not to exceed 22" by 30"), computer based presentation printed off with notes pages, if needed, and displayed in binder, an exhibit display, a written report in portfolio or notebook. Consider neatness and creativity.

E2. Foods and Nutrition Poster, Scrapbook, or Photo Display. Open to any 4-H'er enrolled in a Foods and Nutrition project involving a nutrition or food preparation or career concept/lesson. This might contain pictures, captions, and/or reports to highlight the concept. Exhibit may be a poster or foam core board (not to exceed 22" x 30"), computer based presentation printed off with notes pages, if needed, and displayed in binder, an exhibit display, a written report in portfolio or notebook. Consider neatness and creativity.

E3. Physical Activity and Health Poster, Scrapbook, or Photo Display. Open to any 4-H'er enrolled in a Foods and Nutrition project involving a physical activity or career concept/lesson. This might contain pictures, captions, and/or reports to highlight the concept. Exhibit may be a poster or foam core board (not to exceed 22" x 30"), computer based presentation printed off with notes pages, if needed, and displayed in binder, an exhibit display, a written report in portfolio or notebook. Consider neatness and creativity.

Department E - Division 401

Six Easy Bites

(Pay Category 3)

Beginner Level

CLASS NUMBER:

E901. Cookies (any recipe). Four on a paper plate.

E902. Muffins (any recipe). Four on a paper plate.

E903. Brownies. Any recipe from scratch, four on a small paper plate.

E904. Simple Snack (any recipe) - granola, trail mix, cereal based snack recipes, etc. Two bars on small paper plate or at least 1/2 cup of snack product in self-sealing zip lock bag.

E905. MyPlate Picture. On an 8 1/2" x 11" paper draw or use cut-out pictures of various foods showing where they fit into MyPlate.

Department E - Division 402

Fast Foods!

(Pay Category 2)

Intermediate Level

CLASS NUMBER:

E1. Coffee Cake (any recipe or shape, non- yeast product) - at least 3/4 of baked product. May be exhibited in a disposable pan. Include menu for a complete meal where this recipe is served.

E2. Cost Comparison Exhibit. Exhibit must include both the food product made from scratch and the comparable purchased product (for example, homemade cinnamon rolls compared to a premade cinnamon roll purchased at the store). Supporting information needs to include the cost of the food item made compared to the commercial product and the recipe for the homemade food item. See pages 22-35 of Fast Foods Manual relating to the Grocery Store Tour and the Store Shopper Tip Sheet listed on page 31.

E3. Fast Food Baked Product. Exhibit must include a food product prepared using a non-traditional method (i.e. bread machine, cake baked in convection oven, baked item made in microwave, etc.) that saves time in food preparation. Entry must include supporting information that discusses alternative-preparation method and how it compares with traditional method.

E5. Fast Foods Recipe File. 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 4-H'er is in project with year clearly marked on recipes. Display in recipe file or in a binder. Be sure to include the number of servings or yield of each recipe.

E900. Educational Exhibit. Compare and contrast two to four food labels from similar products. Include labels and narrative description; record your buying decision based on Percent Daily Values.

Department E - Division 410

Tasty Tidbits

(Pay Category 2)

Intermediate Level

CLASS NUMBER:

E1. Healthy Baked Product. Any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Must be made with less sugar, fat, or salt; modified to use a sugar or fat substitute; changed to include a whole grain; or be altered for specific allergies/food intolerances. Include original recipe and altered recipe. Write what you learned about products made from an altered recipe in supporting information.

E2. Creative Mixes. Any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Baked item made from a mix (commercial or homemade mixes acceptable). Food product must have been modified to make a new or different baked item. Examples include - poppyseed quick bread from a cake mix, cake mix cookies, sweet rolls made from readymade bread dough, monkey breads from biscuit dough, streusel coffee cake from a cake mix, etc. Write what you learned about making this product using a mix instead of a homemade recipe or recipe "from scratch". Does it make it better or easier to use a convenience product or mix? Why or why not?

E3. Biscuits. Four biscuits on a small paper plate. This may be any type of biscuit - rolled, dropped, any recipe. Recipe must be a non-yeast product baked from scratch.

E4. Unique Baked Product. (any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan). Recipe must contain a surprise ingredient and MUST not use a mix (ex. cantaloupe quick bread, pork & bean bread, etc.). Write what you learned about making this unique item with an unusual ingredient. What was the anticipated outcome? Would you make it again?

E5. Foam Cake. 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.

E901. Microwave Candy or Microwave Caramel Corn. Either four bite sized pieces on a paper plate or 1 cup in a zip-lock bag.

Department E - Division 411

You're The Chef

(Pay Category 1)

Advanced Level

Please note: Any bread item prepared or baked using a bread machine should be entered under the Fast Foods-Food Technology exhibit. All exhibits made in the You're The Chef project must be prepared without the assistance of a bread machine for mixing, raising, or baking of the food item.

CLASS NUMBER:

E1. Loaf Quick Bread (any recipe). At least 3/4 of a standard loaf displayed on a paper plate. Quick bread is any bread that does not require kneading or rising time and does NOT include yeast. A standard quick bread pan measures approximately 8 1/2" x 4 1/2" or 9" x 5". If mini-loaf pans are used for exhibit, two loaves must be presented for judging.

E2. White Bread (any yeast recipe). At least 3/4 of a standard loaf displayed on a paper plate.

E3. Whole Wheat or Mixed Grain Bread (any yeast recipe). At least 3/4 of a standard loaf displayed on a paper plate.

E4. Specialty Rolls (any yeast recipe) 4 rolls on a paper plate. May be sweet rolls, English muffins, kolaches, bagels, or any other similar recipe that makes individual portions.

E5. Dinner Rolls (any yeast recipe). 4 rolls on a paper plate. May be clover leaf, crescent, knot, bun, bread sticks, or any other type of dinner roll.

E901. Coffee Cake. Any recipe or shape, at least 3/4 of baked product on a paper plate. Include cost of making the recipe and a menu for a complete meal where this recipe is served.

Department E - Division 413

Foodworks

(Pay Category 1)

Advanced Level

Please note: Any bread item prepared or baked using a bread machine should be entered under the Fast Foods-Food Technology exhibit. All exhibits made in the Foodworks projects must be prepared without the assistance of a bread machine for mixing, raising, or baking of the food item.

CLASS NUMBER:

E1. Double Crust Fruit Pie. 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. An 8" or 9" disposable pie pan is recommended.

E2. Family Food Traditions. (any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan). Any baked item associated with family tradition and heritage. Entry must include a) recipe, b) tradition or heritage associated with preparing, serving the food, and c) where or who the traditional recipe came from.

E3. Cultural Food Exhibit. (any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan). The name of the country, culture, or region should be included as part of the supporting information with the recipe as well as some background information about the country or culture the food item is representing.

E5. Specialty Bread. (any recipe made with yeast). Tea rings, braids, or any other full- sized specialty bread products. Must exhibit at least 3/4 of a full sized baked product. May be baked in a disposable pan.

E6. Specialty Pastry. (any recipe, at least 3/4 of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan.). Baked items such as pie tarts, puff pastry, phyllo doughs, scones, 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. Jams, preserves, marmalades, fruit, tomatoes, and pickled products must be processed in a boiling water bath. (Tomatoes may be processed in a pressure canner). All non-acid vegetables and meats must be processed in a pressure canner. Spoiled or unsealed container will be

disqualified.

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

Jarden Home Brands is sponsoring awards to acknowledge achievements in the art of home food preservation. To be eligible for awards sponsored by the Jarden Home Brands, the entries must be canned using the same brand of jar and lid: Ball Jars and sealed with Ball Two-Piece Vacuum Caps or Kerr Jars sealed with Kerr Two-Piece caps.

Current Project: All canning must be the result of this year's 4-H project, since September 1, 2016.

Criteria For Judging: Exhibits will be judged according to score sheets available at the Extension office. 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 at the extension office for our county's altitude and how that affects food processing times and pounds of pressure. Food must be edible for human consumption.

Recipe/Labeling: Recipe must be included, may be handwritten, photocopied, or typed. Commercially prepared mixes are not allowed. See <http://food.unl.edu/web/preservation/home> for current USDA guidelines, how to find your Nebraska altitude, and proper procedures for food preservation. Jars should be labeled with name of 4-H'er, county, name of product and date of processing. Write plainly on a label and paste or tape securely on jar bottom. Specialized sticky labels not required.

All canned foods must include the following supportive information: 1) method of preservation (pressure canner or water bath canner), 2) type of pack (raw pack or hot pack), 3) altitude and altitude adjustment, if needed, 4) processing time, 5) number of pounds of pressure (if pressure canner used) 6) Recipe and source of recipe (if a publication, include name and date) Recipe can come from any source but current USDA guidelines for food preservation methods must be followed. See <http://food.unl.edu/web/preservation/home> for current USDA guidelines.

All dried foods must include the following supporting information: 1) Recipe and recipe source, 2) method of pretreatment, 3) drying method and drying time. Write plainly on label and attach securely to exhibit. Securely attach official entry card to exhibit. Multiple dried food exhibits should be secured by a rubber band or "twisty" to keep exhibit containing the 3 self-sealing bags together.

Department E - Division 407

Food Preservation

(Pay Category 2)

CLASS NUMBER:

E1. Dried Fruit. Exhibit 3 different examples of dried fruit. Place each dried fruit food (6 - 10 pieces of fruit, minimum 1/4 cup) in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E2. Fruit Leather. Exhibit 3 different examples of 3 different fruit leathers. Place a 3" - 4" sample of each fruit together in separate self-sealing bags. Use a rubber band or "twisty" to keep exhibit together.

E10. Dried Vegetables. Exhibit 3 different samples of dried vegetables. Place each food (1/4 cup of each vegetable) in a separate self-sealing bag. Use a "twisty" to keep exhibit together.

E11. Dried Herbs. Exhibit 3 different samples of dried herbs. Place each food (1/4 cup of each herb) in a separate self-sealing bag. Use a "twisty" to keep exhibit together.

E12. 1 Jar Fruit Exhibit. One jar of a canned fruit. Entry must be processed in the boiling water bath according to current USDA recommendations.

E13. 3 Jar Exhibit. Exhibit 3 jars of different canned fruits. May be three different techniques for same

type of product, ex. Applesauce, canned apples, apple pie filling, etc. Entry must be processed in the boiling water bath according to current USDA recommendations.

E14. 1 Jar Tomato Exhibit. One jar of a canned tomato product. Entry must be processed in the boiling water bath according to current USDA recommendations.

E15. 3 Jar Tomato Exhibit. Exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.) Entry must be processed in a boiling water bath or pressure canner according to current USDA recommendations.

E20. 1 Jar Vegetable or Meat Exhibit. One jar of a canned vegetable or meat. Include only vegetables and meat canned in a pressure canner according to current USDA recommendations.

E21. 3 Jar Vegetable Exhibit. Three jars of different kinds of canned vegetables. Include only vegetables canned in a pressure canner according to current USDA recommendations

E22. Quick Dinner. Exhibit a minimum of 3 jars to a maximum of 5 jars (all the same size) plus menu. Meal should include 3 canned foods that can be prepared within an hour. List complete menu on a 3" x 5" file card and attach to one of the jars. Entry must be processed according to current USDA recommendations.

E30. 1 Jar Pickled Exhibit. One jar of a pickled and/or fermented product. Entry must be processed in the boiling water bath according to current USDA recommendations.

E31. 3 Jar Exhibit. Three jars of different kinds of canned pickled and/or fermented products. Entry must be processed in the boiling water bath according to current USDA recommendations.

E40. 1 Jar Jelled Exhibit. One jar of a jam, jelly or marmalade. Entry must be processed in the boiling water bath according to current USDA recommendations.

E41. 3 Jar Jelled Exhibit. Three 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.

Cake Decorating

Enter all exhibits in Kimmel Event Center on Wednesday from 4:00 p.m. - 7:00 p.m. 4-H'ers have the option to participate in interview judging with these entries. Interview judging is on a first come, first served basis. All Creative Foods Artistry entries will be displayed during the Otoe County Fair. No items will be put in the 4-H Foods Bake Sale or 4-H Specialty Food Auction. There are no State Fair entries in this division.

NOTE: Frosting must be homemade.

Department E, Division 422

Cake Decorating

(Pay Category 2)

Limit of 3 entries per class per exhibitor. No record books required at county fair.

CLASS NUMBER:

E900. Unit 1 - Bake and frost an 8" or 9" round or square or 9" x 13" oblong cake. Decorate with edible items, such as candies, pretzels, coconut, etc. Non-edible items (plastic, paper, toothpicks) may not be used on the cake. Do not use decorating tubes.

E901. Unit 2 - Bake and decorate a character cake. Use decorating tubes appropriate for the design selected. Non-edible items (plastic, paper, toothpicks) may not be used on the cake.

E902. Unit 3 - Bake and decorate a two-layer cake. Use three to five different types of tube in decorating. You must use the writing, star, and leaf tubes. Two other tubes 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.

E903. Unit 4 - Bake and decorate a cut-up cake. The design must be applied using at least three decorator tubes, however, parts of the design may be created with edible materials (coconut, candies, etc.). Only edible items may be used on the cake.

E904. Unit 5 - Bake and decorate one two-layer 8", 9", or 10" cake 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 hand made.

E905. Unit 6 - Bake and decorate one two-layer 8", 9" or 10" cake using figure piping string work, flower made on 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.

E906. Unit 7 - Bake and decorate a cake using two tiers of graduated sizes. Each tier should be a two-layer cake. 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.

E907. Unit 8 - Bake and decorate one two-layer 8", 9" or 10" cake. Decorate with molded items. Molded items may include pastillage, molded butter cream, gum paste, marzipan, molded chocolate, sugar molds, etc. Design should be suitable for the size and shape of the cake. All molds and/or shapes must be made of edible materials.

E908. Unit 9 - Plan, develop and evaluate your own cake decorating project. Write a brief description of your project, including your goals, plans, accomplishments and evaluation of results. You may use pictures or any records you have kept to provide evidence of your accomplishments. Exhibit may be a poster (not to exceed 22" x 28"), a notebook or a small educational display.

Department E - Division 422

Decorated Cupcakes

(Pay Category 3)

E910. Decorated Cupcakes (Plate of 4). Open to any 4-H'er enrolled in a Foods and Nutrition project. Cupcakes may be homebaked or purchased, each will be decorated by the 4-H member.

Department E- Division 422

Food Gift From Your Kitchen

(Pay Category 3)

E911. Food Gift. Open to any 4-H'er enrolled in a Foods and Nutrition project. Prepare and package a food gift (for human consumption) creatively. The food item must be made by 4-H'er. Include recipe and who is the recipient of the gift. Example: yeast product in a basket, cookies in a decorative tin, canned goods in jars with counted cross stitch lid, etc.

Department E - Division 422

Food Flop

(Pay Category 3)

E912. Food Flop. Open to any 4-H'er enrolled in a Foods and Nutrition project. One food item illustrating food preparation problems. Flop may be the result of intentional or accidental mistakes. On a half sheet of 8 1/2" x 11" paper explain the preparation problem(s) experience and how they could be overcome. The explanation card will be the basis for judging the exhibit.

Department E - Safety

Enter all exhibits in Exhibition Building on Wednesday from 4:00 p.m. - 7:00 p.m.

Department E - Division 440

(Pay Category 3)

E1. First Aid Kit. A first aid kit is a good way to organize supplies in an emergency. The kit should be assembled in a container appropriate for the kit's intended use. A description of where the kit will be stored and examples of specific emergencies for that situation should be included in the exhibit. The kit should include a written inventory and purpose statement for included items. Items should cover the following areas: airway and breathing, bleeding control, burn treatment, infectious disease protection, fracture care and miscellaneous supplies. Use Citizen Safety Manual, 4-H 425, pages 6 and 7 and score sheet SF110 for guidance. Any kit 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 the month).
3. Any controlled substance.

E2. Disaster Kit (Emergency Preparedness). Disaster kit must contain the materials to prepare a person or family for emergency conditions caused by a natural or man-made incident. Selection of materials is left to the exhibitor. Family or group kits must have enough material or items for each person. A description of the kit's purpose, the number of people supported and a list of contents is required. Youth are encouraged to test their kit by challenging their family to try to survive using only the included materials for the designated time. If tested, share that experience in kit documentation. Please include an explanation of drinking water needs for your disaster kit. Do not bring actual water to the fair in the kit. Refer to score sheet SF111.

E3. Safety Scrapbook. The scrapbook must consist of 15 news articles from print and/or internet sources about various incident types. Mount each clipping on a separate page accompanied by a description of events leading to the incident and any measures that might have prevented it. The scrapbook should be bound in a standard size hardcover binder or notebook for 8 1/2" x 11" size paper. Correct sentence structure, readability, and thorough explanations are an important part of judging.

E4. Safety Experience. The exhibit should share a learning experience the youth had related to safety. Examples could be participating in a first aid or first responder training, a farm safety day camp, babysitting workshop or similar event; scientific experiment related to safety; or the youth's response to an emergency situation. The exhibit should include a detailed description of the experience, the youth's role, some evidence of the youth's leadership in the situation and a summary of the learning that took place. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes.

E5. Careers in Safety. The exhibit should identify a specific career area in the safety field and include education and certification requirements for available positions, salary information, demand for the field and a summary of the youth's interest in the field. Examples of careers include firefighters, paramedics, emergency management personnel, some military assignments, law enforcement officers, emergency room medical personnel, fire investigator and more. It is recommended youth interview a professional in the field in their research. Additional research sources might include books, articles, career web sites, job-related government web sites or interviews with career placement or guidance

counselors. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to 10 pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes.

Department E - Division 450

Fire Education

(Pay Category 3)

CLASS NUMBER:

E1. Fire Safety Poster. This is a home floor plan drawn to scale showing primary and secondary escape routes and where fire extinguishers and smoke detectors are located. Draw every room, including all doors and windows. Use black or blue arrows showing primary escape routes from each room. Use red arrows showing secondary routes to use if the primary routes are blocked. Primary and secondary escape routes must lead outside to an assembly location. Documentation should include evidence the escape plan has been practiced at least four times. Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28".

E2. Fire Safety Scrapbook. This scrapbook must contain at least 10 news articles from print and/or internet sources about fires to residential or commercial properties or landscapes. Mount each clipping on a separate page accompanied by a description of events leading to the incident and any measures that might have prevented it. The scrapbook should be bound in a standard size hardcover binder or notebook for 8 1/2" x 11" size paper. Correct sentence structure, readability and thorough explanations are an important part of judging.

E3. Fire Prevention Poster. Posters should promote a fire prevention message and be appropriate to display during National Fire Prevention Week or to promote fire safety at specific times of the year (Halloween, Fourth of July, etc.). Originality, clarity and artistic impression will all be judged. Do not include live fireworks, matches or other flammable/explosive/hazardous materials. Any entry containing this material will be disqualified. Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28".

Department E - Health

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. – 7:00 p.m.

Department E - Division 460

Health Rocks 1 and 2

(Pay Category 2)

(900 Numbers do not go to STATE FAIR)

E900. Discovering Myself. Poster, notebook, or scrapbook. Using any method, include any of the following: peer pressure, choosing not to smoke, friendships, families, decision making, understanding advertising, behavior, TV violence, self-worth, beliefs, self-talk, stress.

E901. Fun With Friends. Poster, notebook, or scrapbook. Using any method, include any of the following: choosing not to smoke, choosing not to use alcohol, conversations, friendships, communication, decision making, values, problem solving, stress, put-downs, values.

E902. Teen Talk. Poster, notebook, or scrapbook. Using any method, include any of the following: media images, communicating, values, depression, stress.

E903. Preparing for the Future. Poster, notebook, or scrapbook. Using any method, include any of the following: healthy habits, cancer, relationships, codependency, abuse, choosing not to use alcohol, problem solving, health decisions, stress, communication, goal setting, advertising.

Bicycle

Department E - Division 470

(Pay Category 3)

E900. Bicycle Demonstration Display. To be exhibited by an individual only. Exhibits should show some part or system of a bicycle. Include the display on a board 24" x 32" (not to exceed 1/4" thickness).

E901. Poster. A poster showing proper bike care or bike safety.

PERSONAL DEVELOPMENT AND LEADERSHIP

Department F - Leadership

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. – 7:00 p.m.

Department F - Division 520 - Leadership 1, 2, & 3

(900 Numbers do not go to STATE FAIR)

(Pay Category 3)

CLASS NUMBER:

F900. Make a notebook on a leadership project that you have completed during this year.

F901. Poster illustrating one leadership skill you studied this year.

Department F - Theatre Arts

Department F - Division 525

(900 Numbers do not go to STATE FAIR)

(Pay Category 2)

Enter exhibits at the Kimmel Event Center on Tuesday from 4:00 p.m. – 7:00 p.m.

CLASS NUMBER:

F900. Costume. Made or decorated by 4-H'er for use in a theatre arts production. Costume could be for self or others.

F901. Portfolio. A collection of photographs, sketches or other samples illustrating the theatre arts learnings such as costume design, stage makeup, written scripts, set design or other related learnings.

F902. Puppet. Exhibit consists of a puppet made by the 4-H'er for the use in a theatre arts production.

F903. Script. A script written by 4-H'er for a play, musical, skit, puppet show or other type of theatre arts production.

F904. Stage Set Photography Display. A display of photos of a stage set that was designed and built by the 4-H member. Include description of the photos.

F905. Acting Portfolio. A collection of photographs of the 4-H'er acting in a play. Include a written description of the photos.

Department F - EntrepreneurShip

ESI: EntrepreneurShip Investigation

Department F, Division 531

(Pay Category 2)

GENERAL INFORMATION:

Enter all exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m. All exhibits are directly related to activities in the project manual. Refer to the manual for ideas, suggestions and additional information to enhance project exhibits. The 4-H member's name, age, town and county must be listed on the back of the exhibit. Entry cards should be stapled (not paper-clipped or taped) to the upper right-hand corner of posters.

If exhibit is a poster it must be 14" x 22" and may be arranged either horizontally or vertically. Poster may not use copyrighted materials, such as cartoon characters or commercial product names. Exhibits which do not conform to size or content guidelines will be lowered one ribbon placing. Posters may include photographs, charts or examples as well as a written explanation.

DIVISION 531, CLASSES

ESI Unit 1 - Discover the E-Scene

CLASS NUMBER:

F1. Interview an Entrepreneur. Share what you learned from the person about starting and running a business or how they deliver excellent customer service. How will what you have learned through this interview change your future plans or ways of thinking about business? (Based on pages 2.1 - 2.4 of manual)

ESI Unit 2 - The Case of ME

F2. Social Entrepreneurship Presentation. Prepare a five slide power point presentation about a social entrepreneurship event to benefit a group or individual in your community. Social entrepreneurs are people who are in business to help others. Submit a print out of the note pages which show each slide and include an explanation of each slide. Enter exhibit in a report cover with fasteners (no slide bars). Refer to page 2.4 of Unit 2 The Case of ME for ideas.

ESI Unit 3 - Your Business Inspection

F3. Marketing Package (mounted on a 14" x 22" poster) must include at least three items (examples) developed by the 4-H'er from the following list: business card, brochure, advertisement, business promotional piece, printout of an internet home page, packaging design, signs, logo design, direct mail piece, etc. The marketing package should be for an original business developed by the 4-H'er and not an existing business.

F4. Sample of an Original Product with an Information sheet (8 1/2" x 11") answering the following questions:

1. What did you enjoy the most about making the product?
2. What challenges did you have when making the product? Would you do anything differently next time? If so, what?
3. What is the suggested retail price of the product? How did you decide on the price?
4. Market analysis of the community-data gathered through a survey of potential customers. Use the three questions on page 3.3 and survey at least 10 people in your community about your product.
5. How much would you earn per hour? Show how you determined this figure.
6. What is unique about this product?

F5. Photos of an Original Product (mounted on a 14" by 22" poster) must include three photos of developed product and a mounted information sheet answering the following questions. If exhibiting in both Class F3. and F4., products must be entirely different products.

1. What did you enjoy the most about making the product?

2. What challenges did you have when making the product? Would you do anything differently the next time? If so, what?
3. What is the suggested retail price of the product? How did you decide on the price?
4. Market analysis of the community - data gathered through a survey of potential customers. Use the three questions on page 3.3 and survey at least 10 people in your community about your product.
5. How much would you earn per hour? Show how you determined this figure.
6. What is unique about this product?

Life Challenge Judging Contest

Department F- Division 500

(Pay Category 1)

The Life Challenge 4-H Contest is designed to help youth learn more about family and consumer sciences. The Senior Contest will be Thursday, May 25, 7:00 p.m. at the Fair Center. The Junior Contest is Thursday, July 13, 6:30 p.m. at the Fair Center. There is no pre-registration. All 4-H members are eligible to participate.

4-H'ers may judge at a Life Challenge Contest in an adjoining county if this date is inconvenient. 4-H'ers do not have to participate in a county contest to represent Otoe County in the State Life Challenge 4-H Contest. They do need to contact the Extension Office to register for the State Life Challenge 4-H Contest by the date listed in the TIPS.

CLASS NUMBER:

F10. Senior (12 or over as of Jan. 1)

F900. Junior (11 or under as of Jan. 1)

Favorite Foods Revue

The Favorite Foods Revue combines food preparation, menu planning and table setting skills. 4-H'ers participating in the Favorite Foods Revue need to plan a menu suitable for an indoor or outdoor meal. One food the 4-H'er prepared should be brought along to the Revue with the selected table service, centerpiece, menu card, recipe card and card table. 4-H'ers enrolled in all 4-H Foods projects are eligible to participate. The Favorite Foods Revue will be Thursday, July 13, 6:30 p.m., at the Fair Center in Syracuse. Pre-register by the date listed in the TIPS.

Department F, Division 500

(Pay Category 1)

CLASS NUMBER:

F901. Senior (12 and over as of Jan. 1)

F902. Junior (11 and under as of Jan. 1)

Favorite Foods Revue with Dried Beans, Peas or Lentils Theme

The Favorite Foods Revue with a Dried Beans, Peas or Lentils Theme allows 4-H'ers to demonstrate healthy decision making through nutrition, menu planning, food preparation, and food safety. 4-H youth 10 - 18 can enter only in teams of two. 4-H'ers enrolled in all 4-H Food projects are eligible to participate.

4-H'ers need to choose a theme and design a table setting, create a menu, and prepare one food item which includes the Challenge Ingredient for 2017 - Dried Beans, Peas or Lentils. 4-H'ers must use technology during the interview with the judge - iPad, laptop, PowerPoint, picture story, video - be

creative! The Favorite Foods Revue with Dried Beans, Peas or Lentils Theme will be Thursday, July 13, 6:30 p.m. at the Fair Center in Syracuse. Pre-register by the date listed in the TIPS. One food made with dried beans, peas or lentils the 4-H'er prepared should be brought along to the Revue with the selected table serve, centerpiece, menu card, recipe card, card table, and "their technology."

Department F, Division 500

(Pay Category 1)

CLASS NUMBER:

F20. Junior (10-12 years as of Jan. 1 with a 8-10 minute interview)

F21. Senior (13-18 years as of Jan. 1 with a 12-15 minute interview)

Specialty Food Auction

Superintendent Vicki Parde

Thursday, July 27, 7:00 p.m. – Kimmel Event Center

1. An opportunity for 4-H'ers (ages 8-18, no Clover Kids) to participate and showcase their baking and/or decorating skills.
2. 4-H'ers need to be enrolled in at least one 4-H Foods project to participate.
3. Limit one item per 4-H'er. Select one of the following choices:
 - * Fancy cake
 - * Decorated cake
 - * Pie (no cream pies)
 - * Specialty bread
 - * Please....no premade mixes or purchased baked items. They will not be accepted.
4. 4-H'er must be present with their specialty item.
5. 4-H'ers receive 1/2 the price of the auctioned item. The Otoe County 4-H Foundation receives the other 1/2.
6. There is no pre-registration. Please be present at 5:45 p.m. at the Kimmel Event Center. Bring the food product and a sheet of paper with the following information:
 - * Name
 - * Parent's name
 - * Club name
 - * Description of item (25 words or less) to be read at the Auction (be creative - make the bidder want to buy YOUR baked good!)
7. Minimum bid is \$5.00
8. Baked items should be entered by 6:45 p.m., Thursday, July 27 at the Kimmel Event Center.
9. No items entered for judging on Wednesday in the 4-H Foods Division will be eligible for the auction. A duplicate item may be made for the auction and brought to the Specialty Food Auction.

Livestock Judging Contest

Department F - Division 500

(Pay Category 2 - Junior Division)

(Pay Category 1 - Intermediate & Senior Divisions)

The contest will be after fair. 4-H'ers must turn in cards on all classes to qualify. There will also be a 4-H Club competition in the Livestock Judging contest. The high four individual scores will be added together to determine the club score.

CLASS NUMBER:

F25. Senior Division Livestock Judging (14 years & older)

F26. Intermediate Division Livestock Judging (11-13 years)

F27. Junior Division Livestock Judging (8-10 years)

Meats For Consumers Judging Contest

Department F - Division 500

(Pay Category 1)

CLASS NUMBER:

F30. Senior Division

F31. Intermediate Division

F32. Junior Division

Department G - Horticulture

Department G - Division 770

Floriculture

(Pay Category 4)

Enter exhibits in the Exhibition Hall on Wednesday from 4:00 p.m. – 7:00 p.m.

Exhibits are limited to 1 exhibit per exhibit class number.

There will be optional interview judging starting at 4:00 p.m. Wednesday with flowers first and gardening following. Sign up for interview judging when entering your projects at the county fair.

The cultivar or variety name must be included on all entry cards. Failure to identify the cultivar or variety will drop the entry one ribbon placing. Proper identification is the responsibility of the 4-H'er.

Exhibits entered under an incorrect class number or containing an incorrect number of stems will be dropped one ribbon placing. In classes 23, 44, and 45, do not duplicate entries with the classes listed by using other cultivars or varieties, or entry will be dropped one ribbon placing. For example: 4-H'ers with two cultivars or varieties of marigolds can only enter the marigold class and cannot enter the other cultivar or variety in any other class. A perennial is defined as a plant of which the crown overwinters. An annual is a plant that grows from seed each season, whether self-seeded or planted by the gardener. A biennial is a plant that germinates, grows and overwinters as a crown, blooms the following year and dies. Foliage will be considered when exhibit is judged.

All 3 or 5 stems of cut flowers should be the same cultivar and color, do not mix cultivars and colors. Containers will not be judged; however, they should be clear, glass containers that won't tip over and of adequate size to display blooms. Score Sheet SF106. Follow the guidelines in 4-H "Preparing Cut Flowers for Exhibits" 4H227(revised 2016) (Free Download -

<http://unl.box.com/s/2f3a785c67p7qhqasevp6gu6adf3ugon>) when preparing entries for the fair.

Cut Flower Annuals and Biennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

- G1. Aster
- G2. Bachelor Buttons
- G3. Bells of Ireland
- G4. Browallia
- G5. Calendula

- G6. Celosia (crested or plume) (3 stems)
- G7. Cosmos
- G8. Dahlia
- G9. Dianthus
- G10. Foxglove
- G11. Gladiolus (3 stems)
- G12. Gomphrena
- G13. Hollyhock (3 stems)
- G14. Marigold
- G15. Pansy
- G16. Petunia
- G17. Salvia
- G18. Snapdragon
- G19. Statice
- G20. Sunflower (under 3" diameter-5 stems, 3" or more in diameter - 3 stems)
- G21. Vinca
- G22. Zinnia
- G23. Any other annual or biennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)(do not duplicate entries in classes 1-22)

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

- G30. Achillea/Yarrow
- G31. Chrysanthemum
- G32. Coneflower
- G33. Coreopsis
- G34. Daisy
- G35. Gaillardia
- G36. Helianthus
- G37. Liatris (3 stems)
- G38. Lilies (3 stems) (Not Daylilies)
- G39. Platycodon
- G40. Rose (3 stems)
- G41. Rudbeckia/Black-eyed Susan
- G42. Sedum
- G43. Statice
- G44. Any other perennial (under 3" diameter- 5 stems, 3" or more in diameter - 3 stems)(do not duplicate entries in classes 30-43)
- G45. 4-H Flower Garden Collection of 5 different flowers. Each flower in the collection should be exhibited with the number specified for classes G1-G44. Display in a box or other holder not more than 18" in any dimension. Do not duplicate entries in classes G1-G44 with any in the group collection. (If collection goes to State Fair, boxes will not be returned).

Department G - Division 770

Classes: Educational Exhibits

(Pay Category 3)

Youth must be enrolled in the World of Flowers and/or Annual Flowers, to exhibit in classes G1-G45 (cut flowers) and G50-G53 (educational exhibits).

CLASS NUMBER:

G50. Flower Notebook - Exhibit a notebook containing pictures of flowers grown in Nebraska. There must be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. 4-H'ers may show more than one cultivar of the same species, but they will only count as one species. The notebook must be the result of the current year's work. Pictures from garden catalogs, hand-drawn pictures, or photographs may be used. Each species/cultivar must be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (for example: needs full sun and dry sandy soil) the species prefers. Bulbs may be included in a separate section. In addition to this information, bulbs should also be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H member's name, age, full address, and county must be on the back of the notebook. Score Sheet SF100.

G51. Flower Garden Promotion Poster - Individual poster promoting flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. as long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF103.

G52. Educational Flower Garden Poster - Prepare a poster 14" x 22" x 2" (3 dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned about in a 4-H flowers or houseplant project. One might show a special technique used or equipment incorporated in the garden. Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county and years in the project(s) must be on the back of the poster. Score Sheet SF104.

G53. Flower Gardening History Interview - Neatly handwritten or typed account of a gardening history interview whose flower garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their flower garden if the individual is still gardening. Protect with a clear report cover. The

4-H member's name, age, full address, county and years in the project(s) must be on the back of the report cover. Score Sheet SF105.

Department G - Division 770

Container Grown Houseplants

(Pay Category 4)

Youth must be enrolled in the "Growing Great Houseplants" project to exhibit in classes G60-G66. 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, impatiens) will be disqualified and will not be judged. Entries in Classes 60-66 must have been designed and planted by the 4-H member. Container grown houseplants shall be in pots no greater than 12" in diameter (inside opening measurement). Dish gardens, fairy or miniature gardens, desert gardens and terrariums may be up to 12" in diameter (inside opening measurement). Any container grown plant in classes G60-G66 that is greater than 12" in diameter (inside opening measurement) will be dropped one ribbon placing. Classes G60-G65 exhibitors must have and provide a saucer to catch drainage water. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the container and saucer. Score Sheet SF107.

CLASS NUMBER:

G60. Flowering potted houseplant(s) that are blooming for exhibition. Non-blooming plants will be

disqualified.

G61. Foliage potted houseplant(s) of all the same variety.

G62. Hanging baskets of flowering and/or foliage houseplants.

G63. Dish Garden. An open/shallow container featuring a variety of houseplants excluding cacti and succulents.

G64. Fairy or Miniature garden. A miniature “scene” contained in an open container and featuring miniature or small, slow growing houseplants. The garden needs to have an imaginative theme and miniature accessories, i.e. bench, fence made from tiny twigs, small shell for a bath tub, etc.

G65. Desert Garden. An open/shallow container featuring cacti and/or succulents grown as houseplants.

G66. Terrarium. Transparent container, partially or completely enclosed; sealed or unsealed.

Department G - Division 771

CLASS NUMBER:

G900. "Best Dressed Ear Of Corn"

1st Place – \$12.50

2nd Place – \$7.50

3rd Place – \$5.00

Department G - Division 773

Vegetables, Herbs, Fruits & Educational Exhibits

(Pay Category 4)

Youth need to be enrolled in the Everyone A Gardener project, Gardening Unit 1-4 and/or Special Garden Project. Follow the guidelines in “Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit” 4H226 (revised June 2013). (Free Download - <http://4h.unl.edu/4hcurriculum/preparingvegetablesherbsandfruit>) when preparing entries for the fair. The cultivar or variety name must be included on all entry cards. Failure to identify the cultivar or variety will drop the entry one ribbon placing. In classes 252, 255, 268, 269, 285 and 286 do not duplicate entries with the classes listed by using other cultivars or varieties or entry will be dropped one ribbon placing. For example: 4-H’ers with two cultivars or varieties of red tomatoes can only enter the red tomatoes class and cannot enter the other cultivar or variety in any other vegetable class. Score Sheet SF108.

CLASS NUMBER:

G201. Lima Beans (12)

G202. Snap Beans (12)

G203. Wax Beans (12)

G204. Beets (5)

G205. Broccoli (2)

G206. Brussel Sprouts (12)

G207. Green Cabbage (2)

G208. Red Cabbage (2)

G209. Carrots (5)

G210. Cauliflower (2)

G211. Slicing Cucumbers (2)

G212. Pickling Cucumbers (5)

G213. Eggplant (2)

G214. Kohlrabi (5)

G215. Muskmelon/Cantaloupe (2)

- G216. Okra (5)
- G217. Yellow Onions (5)
- G218. Red Onions (5)
- G219. White Onions (5)
- G220. Parsnips (5)
- G221. Bell Peppers (5)
- G222. Sweet (Non-Bell) Peppers (5)
- G223. Jalapeno Peppers (5)
- G224. Hot (Non-Jalapeno) Peppers (5)
- G225. White Potatoes (5)
- G226. Red Potatoes (5)
- G227. Russet Potatoes (5)
- G228. Other Potatoes
- G229. Pumpkin (2)
- G230. Pumpkin, miniature [Jack Be Little type] (5)
- G231. Radish (5)
- G232. Rhubarb (5)
- G233. Rutabaga (2)
- G234. Green Summer Squash (2)
- G235. Yellow Summer Squash (2)
- G236. White Summer Squash (2)
- G237. Acorn Squash (winter) (2)
- G238. Butternut Squash (winter) (2)
- G239. Buttercup Squash (winter) (2)
- G240. Other Winter Squash (2)
- G241. Sweet Corn (in husks) (5)
- G242. Swiss Chard (5)
- G243. Red Tomatoes (2" or more in diameter) (5)
- G244. Roma or Sauce-Type Tomatoes (5)
- G245. Salad Tomatoes (under 2" diameter) (12)
- G246. Yellow Tomatoes (2" or more in diameter) (5)
- G247. Turnips (5)
- G248. Watermelon (2)
- G249. Dry Edible Beans (1 pint)
- G250. Gourds, mixed types (5)
- G251. Gourds, single variety (5)
- G252. Any other vegetable 2, 5, or 12 (do not duplicate entries in classes G201- G251) that doesn't fit in any other class.

(Pay Category 3)

CLASS NUMBER:

G255. 4-H Vegetable Garden Collection. Collection of five kinds of vegetables displayed in a box not to exceed 24" in any dimension. Showmanship will be considered in the judging, but plastic grasses, 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 (G201-G252). Do not duplicate entries in classes G201- G252 with any in the group collection.

G256. 4-H Cultivar Vegetable Collection. Vegetables entered in the collection are 5 cultivars from a single exhibit; for example 5 cultivars of all types of peppers or squash or onions or tomatoes, etc.

Display in a box not more than 24" in any dimension. 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 (G201-G251).

Department G - Division 773

Herbs

(Pay Category 4)

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. Score Sheet SF 108.

G260. Basil (5)

G261. Dill (dry) (5)

G262. Garlic (bulbs) (5)

G263. Mint (5)

G264. Oregano (5)

G265. Parsley (5)

G266. Sage (5)

G267. Thyme (5)

G268. Any other herb (5) (do not duplicate entries in classes 260-267)

G269. 4-H Herb Garden - Display of 5 different herbs. Displayed in a box or other holder not more than 18" in any dimension. Each herb in the collection should be exhibited with the number specified for classes G260-G268. Do not duplicate entries in classes G260-G268 with any in the group collection.

Department G - Division 773

Fruits

(Pay Category 4)

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 SF 108.

G280. Strawberries [Everbearers] (1 pint)

G281. Grapes (2 bunches)

G282. Apples (5)

G283. Pears (5)

G284. Wild Plums (1 pint)

G285. Other Small Fruit or Berries (1 pint) (do not duplicate entries in classes 280-284)

G286. Other Fruits OR Nuts (5) (do not duplicate entries in classes 280-284)

Department G - Division 773

Educational Exhibits

(Pay Category 3)

G290. Garden Promotion Poster. Individual poster promoting vegetable or herb gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium so long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF103.

G291. Educational Vegetable or Herb Garden Poster. Prepare a poster 14" x 22" x 2" (3 dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-H'er has done or

learned about in a 4-H vegetable gardening project. One might show a special technique used or equipment incorporated in the garden (e.g. drip irrigation system, composting, or special techniques learned). Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF 104.

G292. Vegetable and/or Herb Gardening History Interview. Neatly handwritten or typed account of a gardening history interview of someone whose vegetable or herb garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the report cover. Score Sheet SF 105.

G293. Vegetable Seed Display. Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families plus representatives from 5 other families. Group the seeds by family and type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster mat board no larger than 22" x 24". Label each group and each individual vegetable type with the common and scientific names. Use only one variety or cultivar of each vegetable, except for beans where several examples of beans may be shown. Attach a card to the back of the display explaining why and how it is important to know which vegetables are related, and cite references on where the scientific name information was found. The 4-H member's name, age, full address, county and years in the project(s) must be on the back of the display. Information on vegetable family members can be obtained from the Extension Office. Score Sheet SF 101.

G294. World of Vegetables Notebook. Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g. Mexican, African, Chinese, Italian, etc.). Include a report telling about a minimum of 5 vegetables and/or herbs from each country chosen. Include the scientific and common names; pictures of the plants from your garden or seed catalogs; tell how they are grown; and how the foods are used. Also list a source for buying the seed or plants. Favorite recipes using some or all of the vegetables described may be included. Give proper credit by listing the source of pictures and information used. Protect in a clear report cover or small 3-ring notebook. The 4-H member's name, age, full address and county, years in the project(s) must be on the back of the report cover or notebook. Score Sheet SF 102.

Department G, Division 775

Special Garden Project

(Pay Category 3)

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

G1. Special Garden Project. Educational exhibit based on what was learned from the project. Present information on a poster 14" x 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, full address, and county must be on the back of the poster or report cover. Score Sheet SF- 109.

Department G, Division 775

Home Garden Decorations

(Pay Category 4)

CLASS NUMBER:

G900. Stepping Stones

G901. Clay Pot

Department G - Division 777

**Landscape: Grow A Beautiful Space
(Pay Category 3)**

Youth must be enrolled in Landscape Professionals & Design Principles, Landscape Plants & Materials, or Landscape Graphics & the Design Process to exhibit in Classes G401-G408. The 4-H member's name, age, full address, county and years in the project(s) must be in the back of poster or notebook.

G401. Grow A Beautiful Space Unit 1 Portfolio Notebook. Create and complete 'Landscape Professional & Design Principles' Unit 1 Portfolio, 4H6110P. Present portfolio information in a three ring binder. Give proper credit by listing the sources of photographs/images and information used.

G402. Establish Landscape Analysis Poster. Take multiple photographs of a landscape that has been established for 10 or more years. Critique the landscape based on each of the design principles (order, unity, rhythm, balance, scale or proportion, and emphasis). Describe the spatial definition of the landscape and what different areas of the landscape "feel like". Include photos taken to support your critique. Describe what changes need to be made in the landscape to improve its characteristics and sense of space. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner.

G403. Grow a Beautiful Space Unit 2 Portfolio Notebook. Create and complete "Landscape Plants & Materials' Unit 2 Portfolio, 4H6120P. Present portfolio information in a three ring binder. Give proper credit by listing the sources of photographs/images and information used. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the notebook.

G404. Landscape Renovation Poster. Take multiple photographs of a landscape that doesn't quite look right because it doesn't reflect sound design principles. Select a landscape in which you can make at least three design recommendations. Identify how the design principles (order, unity, rhythm, balance, scale or proportion, and emphasis) could be better integrated into the landscape, and how plants or materials with specific features (size, form, color, or texture) could improve the space. Reduce the opaqueness of the images to 50-60 percent and sketch plants, structures, materials, and/or amenities that could improve the overall design over the original images. The poster should include the original image(s) and improved image(s), and include a short explanation of how the landscape design was improved. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner.

G405. Estimating Dreams Poster. Select a dream landscape as if money is not a consideration. Develop a plan drawing of the landscape. Draw landscape to scale. Identify the types of plants, structures, and amenities used in the landscape. Research the cost of the plants and amenities and the installation. Include the general cost of grading (if needed) and labor that could be associated with installation. Create a list, noting the plants that are included in the space. The quantities of plants and the structures, materials, or amenities and their cost should be included. Calculate the final total estimate. The poster should include the scale drawing of the landscape, identification of plants, structures and amenities, and cost and labor. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner.

G406. Site Inventory & Analysis Poster. Make an unscaled drawing of the landscape you inventoried and analyzed. Develop two drawings: a site inventory and a site analysis. The site inventory and site analysis should be communicated through a combination of written notes, graphics symbols and photographs. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right corner.

G407. Community Landscape Poster. Identify a local community space (park, nursing home, school, county fairgrounds, etc.) that needs some landscape improvements. Work through the design process and develop a detailed plan of your improvements to the space. The plan should include design principles, functional and aesthetic factors, list of plants and materials and their costs, budget for materials, labor you have available for the project, and a timeline. Take photographs of the area and

draw over the photos to illustrate your final ideas. Include photographs of the finished landscape if project ideas were carried out. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner.

G408. Renovate The Outdoors Portfolio. Select a space that you would like to redesign. The space can be at your home, a family member's or friend's house, or somewhere in your community. Develop a scaled base map of the site and locate the existing plants and structures in the landscape. Take photographs of the landscape. Evaluate the physical properties of the site and conduct an interview with the people who live there or use the space. Think about how you would change the space and develop a plan that would implement design elements into the space. Create different drawings that will move you through the design process. You will draw concept diagrams, form compositions, preliminary drawings, and the final design. Once the final design drawing is complete, use overlays on the original photographs to show how the landscape will look compared to how it looked in the photo you originally took of the landscape. Place photographs, interview notes, concept and program statements and drawings in a portfolio.

Department G - Beef Cattle

ROBERT NIEDERMEYER, Cook

JOHN PETERSON, Nebraska City

Superintendents

DUANE WELLENSIEK, Cook

MIKE RUDOLPH, Dunbar

Assistant Superintendents

Division 8 - Showmanship Classes:

(Pay Category 3)

G2. Senior – ages 14 & over

G3. Intermediate – ages 11-13

G4. Junior – ages 8-10

Division 9 - Bucket Calf Entries

(Pay Category 2)

CLASS NUMBER:

G1. Male Bucket Calf

G2. Female Bucket Calf

NOTE: No project book required for Bucket Calves. Clover Kids use codes in Clover Kids section, page 24.

Division 10 - Club Groups of Three Entries

(Pay Category 1)

Each 4-H club may enter one group of three market animals. A group leader is suggested. Ribbons awarded to each exhibitor. One premium to the club.

CLASS NUMBER:

G4. Club Groups of Three

Division 11 - Beef Market:

(Pay Category 2)

CLASS NUMBER:

G10. Crossbred Market Steers

G20. Angus Market Steers
G30. Shorthorn Market Steers
G40. Hereford Market Steers
G60. Crossbred Market Heifers
G70. Angus Market Heifers
G80. Shorthorn Market Heifers
G90. Hereford Market Heifers
G100. Bucket Calf +1 Market Steers
G101. Bucket Calf +1 Market Heifers

Any bucket calf shown in the previous year at Otoe County may be exhibited in the bucket calf +1 class. It can only be shown in this class or another beef class - not both. (Second year bucket calves may show in the following manner: Beef steers and heifers may show in breeding or market classes.

Department G - Beef Breeding
GALEN CRAWFORD, Unadilla, Superintendent
PAUL ALLEN, Assistant Superintendent
Beef Breeding Heifers

Pay Category 2

- Division 12 - Angus
- Division 13 - Charolais
- Division 14 - Chianina
- Division 15 - Commercial
- Division 16 - Gelbvieh
- Division 17 - Hereford & Polled Hereford
- Division 18 - Limousin
- Division 19 - Maine Anjou
- Division 20 - Red Angus
- Division 21 - Shorthorn
- Division 22 - Simmental
- Division 23 - All Other Breeds
- Division 24 - Composite Charolais
- Division 25 - Balancer
- Division 26 - LimFlex
- Division 27 - Mainetainer
- Division 28 - Shorthorn Plus
- Division 29 - Foundation Simmental

CLASS NUMBER:

- G10. Yearling Jan/Feb 2016
- G20. Yearling Mar/Apr 2016
- G30. Yearling May/June 2016
- G40. Yearling July/Aug 2016
- G50. Heifer Sept/Oct 2016
- G60. Heifer Nov/Dec 2016
- G70. Calved before Jan 1, 2016 (no calf)
- G80. Cow with calf

Division 130 - Bucket Calf +1

(Pay Category 2)

G1. Bucket Calf +1

Division 131 - Feeder Calves Classes:

(Pay Category 2)

CLASS NUMBER:

G1. Feeder Calves (heifers)

G2. Feeder Calves (steers or bulls)

Beef Rate of Gain

ANDY WELLENSIEK, Cook, Chairman

CHRIS WELLENSIEK, Brock, Assistant

Winners will be announced and prizes awarded at the conclusion of the 4-H Market Beef Show. Calves were weighed on January 7, 2017. Rate of gain is figured by subtracting the adjusted beginning weight from the County Fair weigh-in weight on July 26th. Next, divide that total by 200 (number of days between January 7 and July 26). Result is average daily gain.

SPECIAL PREMIUMS:

Steers -- \$37.50 \$22.50 \$18.00 \$13.50 \$7.50

Heifers -\$37.50 \$22.50 \$18.00 \$13.50 \$7.50

Beef Carcass - Division 3

(Pay Category 2)

G1. Beef Carcass Contest

Department G - Sheep

DALE FRANCIS, Nebraska City

MICHELLE FRANCIS, Nebraska City Superintendents

KEN MALONE, Palmyra- Asst. Superintendent

Division 30 - Showmanship

(Pay Category 3)

CLASS NUMBER:

G2. Senior - ages 14 and over

G3. Intermediate - ages 11-13

G4. Junior - ages 8-10

NOTE: See Clover Kid section for Clover Kid codes

Division 31 - Sheep, Market Lamb

(Pay Category 2)

CLASS NUMBER:

G10. Market Lambs

Division 32 - Sheep, Breeding Ewes

(Pay Category 2)

CLASS NUMBER:

- G10. Commercial Wool Ewes, Yearling
- G20. Commercial Wool Ewes, Lamb
- G30. Cheviot, Yearling
- G40. Cheviot, Lamb
- G50. Other Breeding Ewes, Yearlings
- G60. Other Breeding Ewes, Lamb
- G70. Commercial Meat Ewes, Yearling
- G80. Commercial Meat Ewes, Lambs
- G90. Hampshire Breeding Ewes, Yearling
- G100. Hampshire Breeding Ewes, Lamb
- G110. Suffolk Breeding Ewes, Yearling
- G120. Suffolk Breeding Ewes, Lamb
- G130. Dorset Breeding Ewes, Yearling
- G140. Dorset Breeding Ewes, Lamb
- G150. Family Flock, one ram, any age; two ewes, yearling or over, two ewe lambs
- G160. Club Flock, (same requirements as above). Must include animals from at least 2 families.
- G170. Ram Lambs
- G180. Rams (Yearling)

Sheep Rate of Gain

DALE FRANCIS, Nebraska City

MICHELLE FRANCIS, Nebraska City

Superintendents

The winners will be announced and prizes awarded at the conclusion of the 4-H Market Sheep Show. Lambs weighed in May 20, 2017.

SPECIAL PREMIUM:

4-H Market Lambs \$15 \$10 \$5

Department G - Hogs

John Haupt, Union - Superintendent

Arnold Schroder, Palmyra

Dr. Kirby Joy, Nebraska City

Ken Aden, Syracuse

Division 40 - Showmanship

(Pay Category 3)

- G2. Senior – ages 14 & over
- G3. Intermediate – ages 11-13
- G4. Junior – ages 8-10

NOTE: See Clover Kid section for Clover Kid codes

Division 41 - Hog, Market Classes:

(Pay Category 2)

G10. Market Gilt

G20. Market Barrow

Department G - Dairy Goats

CHUCK PORTER, Unadilla, Superintendent

Division 50 - Showmanship

(Pay Category 3)

CLASS NUMBER:

G2. Senior – ages 14 & over

G3. Intermediate – ages 11-13

G4. Junior – ages 8-10

NOTE: See Clover Kid section for Clover Kid codes

Division 50 - General

(Pay Category 2)

G50. Costume Class: (Any regular goat). Are all in one class. This event will be at the conclusion of the goat show).

G60. Goat Milking Contest

G70. Best Udder

Division 50 - Dairy Herd Entries

(Pay Category 2)

A dairy herd will consist of the three female animals, one of which was bred by exhibitor, and one must be in milk.

CLASS NUMBER:

G71. Dairy Herd

Breed Entries:

(Pay Category 2)

Division 51 - Alpine

Division 52 - Lamancha

Division 53 - Nubian

Division 54 - Oberhasli

Division 55 - Recorded Grade

Division 56 - Saanens

Division 57 - Toggenburg

CLASS NUMBER:

G10. Under 5 months

G20. 5 months to 8 months

G30. 8 months to 1 year

G40. 1 year to 2 years, Non-Milking Doe

- G50. Under 2 years, Milking Doe
- G60. 2 and 3 years, Milking Doe
- G70. 4 years and over, Milking Doe

**Division 58 - Mother and Daughter Entries
(Pay Category 2)**

- G10. Mother and Daughter

**Division 59 - Specialty Goats
(Pay Category 2)**

CLASS NUMBER:

- G1. Angora Goats
- G2. Fainting Goats
- G3. Kinder Goats
- G4. Pgymy Goats
- G5. Other Goats

**Department G - Meat Goats
LINDA BENNIER, Unadilla, Superintendent**

**Division 60 - Showmanship
(Pay Category 3)**

CLASS NUMBER:

- G2. Senior – ages 14 & over
 - G3. Intermediate – ages 11-13
 - G4. Junior – ages 8-10
- NOTE: See Clover Kid section for Clover Kid codes

**Division 61 - Market Meat Goats
(Pay Category 2)**

CLASS NUMBER:

- G1. Market Goats (wethers and does)

**Division 62 – Breeding Meat Goats
(Pay Category 2)**

Horns and hair are allowable in the Breeding Meat Goat classes.

CLASS NUMBER:

- G1. Doe kid 1 to 4 months (see rules for stalling)
- G2. Doe kid 5 to 8 months
- G3. Doe kid 9 to 12 months
- G4. Yearling Doe 12 to 24 months
- G5. Buck Kid 4 to 8 months (Not stalled - see Meat Goat Rules)

Department G - Horses

4-H Light Horses Leadership Panel:

KATHY SHEFFERD, Nebraska City, Superintendent

GINA ESSINK, Syracuse, Asst. Superintendent 1

KATHLEEN RULLA, Sterling, Superintendent 2

(See General Livestock rules in front for official rules)

(Pay Category 3)

Division 90 – Showmanship

G1. Senior – ages 14 years & over

G2. Intermediate – ages 11-13

G3. Junior – ages 8-10

Division 91 - Halter

2 and under

G1. Stock

G2. Pleasure

Three years and over mares

G3. Stock

G4. Pleasure

Three years and over geldings

G5. Stock

G6. Pleasure

Division 92 - Smaller Equine

G1. Halter - Smaller Equine 36" & under

G2. Halter - Smaller Equine 39-56"

Division 93 - Western Horsemanship

G1. 14 years and over

G2. 11-13 years old

G3. 10 years and under

G4. Beginners (Walk/Trot)

Division 94 - Pleasure

G1. 14 years and over

G2. 11-13 years old

G3. 10 years and under

G4. Beginners (Walk/Trot)

Division 95 - Pony Pleasure (56" & under)

G1. All ages

Division 96 - Junior Horse Western Pleasure

G1. All ages - Only pleasure class this horse can enter. See Horse Rule #13 on page 8.

Division 97 - English Pleasure

G1. 14 years and over

- G2. 11-13 years old
- G3. 10 years and under

Division 98 - English Equitation

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under
- G4. Beginners (Walk/Trot)

Division 99 - Trail -

Only three refusals per obstacle allowed. May show either in English or Western tack and attire

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under
- G4. Beginners (Walk/Trot)

Division 100 - Costume

No lope required. Beginners (Walk/Trot) are eligible to enter in the appropriate age division.

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under

Division 101 - Ranch Horse Pleasure

- G1. Senior - 14 years and over
- G2. Intermediate - 11-13 years old
- G3. Junior - 10 years and under

Division 102 - Reining

- G1. Senior - 14 years and over
- G2. Intermediate - 11-13 years old
- G3. Junior - 10 years and under

Division 103 - Flag Race

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under

Division 104 - Cloverleaf Barrel Race

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under

Division 105 - Keyhole Race

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under

Division 106 - Pole Bending

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under

Division 107 - Mystery

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under
- G4. Beginners (Walk/Trot)

Division 108 & 109 - Dummy Roping

- A. Practice dummies will be available outside the arena before the Dummy Roping classes begin. Practice ends for everyone when the first Dummy Roping Class begins - Must provide own rope.
- B. Both events will be timed. A contestant may throw as many loops as possible within the allotted time.
- C. Each contestant will position him/herself behind the bale and/or dummy at a distance of 2' - 6' as determined by the judge at the beginning of the class.
- D. Contestants must stay behind the distance marker/line when throwing their loop. Points will not be counted if the contestant steps on or over the line.
- E. To complete the catch and be able to count the points, contestants will pull up the slack on the rope after each catch.
- F. Legal catches for both events and their point value are:
 - 1. Slick horns (both horns) - 3 pts.
 - 2. 1/2 head - 2 pts.
 - 3. Whole head (around the neck) - 1 pt.

Division 108 - Dummy Roping (From the ground)

Time limit is 2 min./contestant/as many loops as possible. Contestant will remove the loop from the dummy after each catch and before throwing another loop.

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under

Division 109 - Dummy Roping (From a Horse)

Time limit is 3 mins./contestant/as many loops as possible. A helper will remove the rope from the dummy after each catch and before the contestant throws another loop. Contestant need not dally after each catch but must pull up the slack.

- G1. 14 years and over
- G2. 11-13 years old
- G3. 10 years and under

Division 110 – Driving

Two-wheeled vehicle, single hitch. (Additional rules/guidelines to be in Tips on Tap Newsletter. Watch for details!) All exhibitors and all horses/ponies will compete together unless there are sufficient entries to warrant class divisions.

- G1. Pleasure Driving
- G2. Reinsmanship

Division 111 - Super Horse: (List all classes selected on 1 Super Horse entry tag) Choose 1 of the following and list on entry sheet

G1. Western Horsemanship

G2. English Equitation

Choose 2 of the following and list on entry sheet

G3. Poles

G4. Barrels

G5. Reining

G6. Ranch Horse Pleasure

Division 112 - High Point Exhibitor Award:

(Choose 1 Pleasure Class & 1 Equitation/
Horsemanship, put both choices on 1 high point entry tag)

G1. English Pleasure

G2. Junior Horse Western Pleasure

G3. Pony Pleasure

G4. Ranch Horse Pleasure

G5. Western Pleasure

G6. English Equitation

G7. Western Horsemanship

Department G - Poultry

SARAH DAVIS, Nebraska City, Superintendent

All Exhibitors must turn in an I.D. sheet into the Extension Office by June 15th each year and an entry sheet must be completed by Monday, July 17th, 2017.

Division 71 - Showmanship

(Pay Category 3)

CLASS NUMBER:

G2. Senior- ages 14 & over.

G3. Intermediate - ages 11-13

G4. Junior - ages 8-10

Division 72 - Standard Size Classes:

G1. Cockerel

G2. Pullet

G3. Cock

G4. Hen

G5. Trio

G6. Pen (Broilers)

G7. Pen (Egg Production)

G8. One Dozen Eggs, white

G9. One Dozen Eggs, brown

G10. One Dozen Eggs, miscellaneous

* Eggs entered 30 minutes before Poultry Show

Division 73 - Bantam Classes:

- G1. Cockerel
- G2. Pullets
- G3. Cock
- G4. Hen
- G5. Trio

Division 74 - Other Poultry Classes:

- G1. Young Tom Turkey
- G2. Young Hen Turkey
- G3. Young Gander
- G4. Young Goose
- G5. Young Drake
- G6. Young Duck
- G7. Doves, Male
- G8. Doves, Female
- G9. Pigeon, Male
- G10. Pigeon, Female
- G11. Golden Pheasant

Division 75 - Poultry Embryology

*Entered day of show

(900 Numbers do not go to STATE FAIR)

CLASS NUMBER:

G901. A poster 14"x22" showing what you did in an Embryology activity.

G902. Write a story, 500 words or less, about your experiences in Embryology.

Department G - Rabbits

TARA DAMME, Syracuse

BRANDON DAMME, Syracuse

Co-Superintendents

All Exhibitors must turn in an I.D. sheet into the Extension Office by June 15th each year and an entry sheet must be completed by Monday, July 17th, 2017.

Division 80 - Showmanship Classes:**CONTEST RULES:**

- A. Eligibility. Any 4-H'er with a rabbit entered in the 4-H County Fair Show may enter the competition.
- B. The participant may use any rabbit they choose, so long as it was raised and trained by the 4-H'er. Rabbits not entered in the rabbit exhibit must be brought to and removed from the fairgrounds on the same day as the contest.
- C. Basis for Judging. Showmanship is based on grooming and training of the rabbit and the appearance and behavior of the exhibitor. The exhibitor must vocally explain the steps in their routine and the merit of the rabbit. Primarily showmanship is the skill of the exhibitor in presenting and explaining the rabbit before the judge, the excellence of the rabbit is not considered in scoring.

D. The judge may or may not ask questions of the exhibitor at the close of the routine.

(Pay Category 3)

G2. Senior (14 & older)

G3. Intermediate (11-13 years)

G4. Junior (8-10 years)

Division 81 - Market Classes:

(Pay Category 3)

G4. Single Fryer (3 1/2 to 5 1/2 lbs./under 69 days of age.)

G5. Roaster (over 5-1/2 lbs.)

G6. Meat Pen (3-1/2 to 5-1/2 lbs./under 69 days of age.) [Pen of 3]

Fancy Breeds

Division 8201 - English Angora

Division 8202 - French Angora

Division 8203 - Belgian Hare

Division 8204 - Britannia Petite

Division 8205 - Standard Chinchilla

Division 8206 - Dutch

Division 8207 - Dwarf Hotot

Division 8208 - English Spot

Division 8209 - Florida White

Division 8210 - Fuzzy Lop

Division 8211 - Harlequin

Division 8212 - Havana

Division 8213 - Himalayan

Division 8214 - Jersey Woolie

Division 8215 - Lilac

Division 8216 - Holland Lop

Division 8217 - Mini Lop

Division 8218 - Mini Rex

Division 8219 - Netherland Dwarf

Division 8220 - Polish

Division 8221 - Rex

Division 8222 - Rhinelander

Division 8223 - Sable

Division 8224 - Silver

Division 8225 - Silver Marten

Division 8226 - Tan

Division 8227 - American Sable

Division 8228 - Mini Satin

Division 8229 - Satin Angora

Division 8230 - Thrianta

Commercial Breeds

Division 8301 - American

Division 8302 - Beveren

Division 8303 - Blanc De Hotot

Division 8304 - Blue Vienna
Division 8305 - Californian
Division 8306 - Champagne D'Argent
Division 8307 - American Checkered
Division 8308 - American Chinchilla
Division 8309 - Giant Chinchilla
Division 8310 - Cinnamon
Division 8311 - Creme D'Argent
Division 8312 - Flemish Giant
Division 8313 - English Lop
Division 8314 - French Lop
Division 8315 - Giant Angora
Division 8316 - New Zealand
Division 8317 - Palomino
Division 8318 - Satin
Division 8319 - Silver Fox
Division 8320 - Crossbreed
Division 8321 - Checkered Giant

If you have a breed which is not listed above contact show superintendent.

CLASS NUMBER:

- G2. Fancy Doe (Jr. under 6 mo.)
- G3. Fancy Doe (Sr. 6 mo. and over)
- G4. Fancy Buck (Jr. under 6 mo.)
- G5. Fancy Buck (Sr. 6 mo. and over)
- G6. Commercial Doe (Jr. under 6 mo.)
- G7. Commercial Doe (Inter, 6-7 mo.)
- G8. Commercial Doe (Sr. 8 mo. & over)
- G9. Commercial Buck (Jr. under 6 mo.)
- G10. Commercial Buck (Inter. 6 -7 mo.)
- G11. Commercial Buck (Sr. 8 mo. & over)
- G12. Crossbreed Doe (Jr. under 6 mo.)
- G13. Crossbreed Doe (Sr. 6 mo. & over)
- G14. Crossbreed Buck (Jr. under 6 mo.)
- G15. Crossbreed Buck (Sr. 6 mo. & over)

Division 84 - Doe and Litter Class:

- G1. Doe and Litter

Division 85 - Equipment Exhibit Classes:

- G1. Homemade Carrying Pen
- G2. Homemade Nest Box
- G3. Homemade Show Table

Department G - Cats

SARAH DAVIS, Nebraska City, Superintendent

All Exhibitors must turn in an I.D. sheet into the Extension Office by June 15th each year and an entry sheet must be completed by Monday, July 17th, 2017.

Cats will show as part of the Small Animal Show. All animals must be checked in by 10:30 a.m. These animals will be released immediately following the conclusion of the show.

Required Dress For Show: Every 4-H exhibitor must wear jeans and a 4-H T-shirt or a white shirt with the 4-H emblem attached. Absolutely NO SHORTS will be allowed! Any announcements day of show will take precedence over any other rules or regulations.

Cat Entries:

(Pay Category 3)

All cats must have current immunization for feline distemper and rabies at least 1 month prior to the show. Certificates of immunization MUST BE BROUGHT to the contest or the cat will not be allowed to show. Female cats in season, pregnant or nursing young will not be permitted to show.

Division 690

Cats Classes:

- G10. Cat, Showmanship
- G20. Cat, Long Hair
- G31. Cat, Short Hair, Female
- G32. Cat, Short Hair, Male
- G40. Kitten, Short-Haired, (4-8 months)
- G50. Kitten, Long-Haired, (4-8 months)
- G60. Cat, Medium-Haired
- G70. Kitten, Medium-Haired, (4-8 months)
- G80. Registered Cat

Department G - Dogs

EVANGELINE STUCK, DVM, Dunbar, Superintendent

JESSICA JONES, Tecumseh, Asst. Superintendent

All Exhibitors must turn in an I.D. sheet into the Extension Office by June 15th each year and an entry sheet must be completed by Monday, July 17th, 2017.

(Pay Category 3)

The Dog Show will be on Sunday at 8:30 a.m. All animals must check in by 8:00 a.m. These animals will be released immediately following the conclusion of the show.

Required Dress For Show: Every 4-H exhibitor must wear jeans and a 4-H t-shirt or a white shirt with the 4-H emblem attached. Absolutely NO SHORTS will be allowed! Closed toe shoes are required.

AGE OF DOG: A dog that is exhibited at the County Fair must be 6 months or older. Agility dogs must be 18 months or older to participate in competition. All dogs must be immunized for distemper, hepatitis, parvo and rabies and all vaccinations must be in effect at the time of the show. Certificates must be

brought to the contest. Females in season will not be permitted to show.

All dogs must be kept on leash or confined when not being shown.

Substitutions: A dog may be substituted if it is injured or dies following the entry deadline. A substitute can be selected from the exhibitor's household family or from the household where the originally entered dog resides. Dog(s) may be substituted only if a superintendent is directly consulted prior to the show date.

Advancement in Obedience and Agility Classes: Follow rules in Nebraska 4-H Dog Show Guidelines 4H420: <http://go.unl.edu/4h420>. A youth will move up to a 'transition year', after they receive 2 purples in a specific class at county competition. Youth will finish their 4-H year at the same level if the second purple ribbon occurs in the middle of their 4-H year. Youth do not have to move up in the middle of a 4-H year. Youth will then have the option to stay in their current class for one additional year (after receiving 2 purple ribbons) called the 'transition year'. During the transition year, youth will practice the more advanced class (gaining skills such as off leash work) but may compete in their same level. Youth may advance up to the next level more quickly with advice/assistance from a leader and parent to help evaluate skill and readiness of youth and dog. This may especially occur if the youth has had previous dog handling experiences.

Any announcements day of show will take precedence over any other rules or regulations.

Showmanship Class Entries: Will be judged on handler's appearance 10%, grooming 20%, coordination of the dog and handling ability 70%. Special coat trims (such as poodle or terrier) will not count except for being clean and neatly brushed.

Division 700 - Showmanship Classes:

G10. Junior – ages 8-10

G20. Intermediate – ages 11-13

G30. Senior – ages 14 & over

Division 701 - Obedience Classes:

BEGINNING NOVICE. All exercises performed on leash. Dogs must heel including figure 8; come on recall; stand for examination; long sit for one minute and long down for three minutes. The leash may lay on the floor in front of the dog or be held by the handler.

CLASS NUMBER:

G10. Division A. Exhibitor and the dog are in their first year of county competition.

G20. Division B. Exhibitor or dog is beyond first year of competition.

G30. Novice. Dogs must heel on leash including figure 8; stand for examination off leash; heel free; come on recall off leash, long sit for one minute off leash; long down for three minutes off leash.

G40. Graduate Novice. Dogs must heel on leash; stand for examination off leash; heel free including figure 8; drop on recall; long sit for three minutes and long down for five minutes both with handler out of sight. G45. Advanced Graduate Novice. Heel on leash and figure 8 (off leash), drop on recall, dumbbell recall, recall over high jump, recall over broad jump, and long down.

G50. Open. All exercises off leash. Heel free & figure 8; drop on recall; retrieve on flat; retrieve over high jump; broad jump; long sit for 3 minutes and long down for 5 minutes; both with handler out of sight.

G55. Graduate Open. Signal exercise, scent discrimination, directed retrieve, moving stand and examination, go out, and directed jumping.

G60. Utility. The dog will perform five exercises: the signal exercise, the scent discrimination exercise with leather and metal objects; the directed retrieve, moving stand and examination; directed jumping. Exhibitors must supply their own scent articles and gloves for the directed retrieve.

Division 702 - Agility Classes:

RULES:

A. Procedure -Agility will follow those procedures and classes described in Nebraska 4-H Dog Show Guidelines 4H 420: <http://go.unl.edu/4h420>. Refer to Nebraska 4-H Dog Show Guidelines 4H 420: <http://go.unl.edu/4h420> to determine class entry. With heights of all agility dogs must be included with advanced entries. Level 1 & 2 Agility classes are run on leash. Level 3, 4, and 5 are all run off leash. One of each obstacle noted in each level are mandatory and duplicate obstacles will be added to make up quantities of obstacles in each level. Obstacle equipment needing repair or deemed unsafe by judge will be excluded from the competition. Judges determine the arrangements of the obstacles on the course. Level 5 - youth can use additional equipment for competition that they have access to and can use in practice. Obstacles that are used for agility competition events may be included from (AKC, CPE, USDAA, NADAC, UKC, etc.)

B. Agility Jump heights - Measure dogs at withers to determine jump height: Dogs 11 inches or less - 4 inches, Dogs over 14 inches up to and including 14 inches - 8 inches, Dogs over 14 inches up to and including 18 inches - 12 inches, and Dogs over 18 inches - 16 inches.

CLASS NUMBER:

G10. Level 1 - 6 obstacles - 3 bar jumps which have two bars each, short dog walk, pause box or table, and tunnel (open).

G20. Level 2 - 10 obstacles - several bar jumps which have two bars each, short dog walk, pause box or table, tunnel (open), and solid panel jump.

G30. Level 3 - 10 obstacles - same obstacles as Level 2 but dogs run off leash for Level 3.

G40. Level 4 - 13 obstacles - bar jump which has one bar each, bar jump which has two bars each, tall dog walk, pause box or table, tunnel (open), solid panel jump, teeter totter (seesaw) and weave poles (single set with 6 poles).

G50. Level 5 - 15-20 of any of the following obstacles such as: bar jump which has one bar each, bar jump which has two bars each, tall dog walk, pause box or table, tunnel (open), solid panel jump, A-frame short, A-frame tall, teeter totter (seesaw), weave poles (single set with 6 poles), weave poles (double set with 12 poles), broad jump, dump jump, triple bar jump, swing bridge, etc. Number of obstacles used for a course will depend on ring size and available equipment at show site. Course layout may include more advanced handling techniques. NOTE: Any exhibitor that does not provide feed and water for their animals will not receive their premium money.

Division 703 - Rally Classes:

RULES:

A. Rally obedience is a dog sport based on obedience. Many of the Rally exercises are the same as, or have the same parts (elements) of traditional obedience.

B. Rally obedience is a dog performance class that uses directional signs that are numbered to indicate the course the handler is to follow during the performance. The team of dog and handler heel from sign to sign, and perform the exercises indicated by the numbered sign at each location. At the start sign, the judge gives permission to start the course and then the dog and handler go through the course. The judge will say "Are you ready?" followed by "Forward." No other directives are given. The course consists of signs that instruct the team what to do. Unlike traditional obedience, handlers are allowed to encourage their dogs during the course. There are 4 classes and the number of stations/signs is noted below (start and finish signs are not included in the sign count and are automatically used). Signs may be duplicated and used more than one time to create the course.

CLASS NUMBER:

G10. Beginning Rally - Dog is on leash and there are 5 to 10 stations. These beginning Rally signs are

suggested - halt sit, halt down dog, right turn, left turn, about turnright, slow pace, fast pace, and normal pace. These are the same commands that exhibitors use in beginning novice obedience levels.

G11. Rally 1 - Dog is on leash and there are 10 to 15 stations.

G12. Rally 2 - Dog is off leash and there are 12 to 17 stations.

G13. Rally 3 - Dog is off leash and there are 15 to 20 stations.

NOTE: Although every course will have many of the same exercises, the sequence of those exercises in the course design may vary. As the levels go up the difficulty of the exercises goes up as in ordinary obedience. Our rally classes will follow the AKC rules for the same levels. The signs and rules are available online at AKC's website. A difference between rally and regular obedience is that you may talk to your dog as much as you want to guide and instruct him.

Department G- Small Animals

SARAH DAVIS, Nebraska City, Superintendent

All Exhibitors must turn in an I.D. sheet into the Extension Office by June 15th each year and an entry sheet must be completed by Monday, July 17th, 2017.

(Pay Category 3)

All animals must be checked in by 10:30 a.m. These animals will be released immediately following the conclusion of the show.

Required Dress for Show: Every 4-H exhibitor must wear jeans and a 4-H T-shirt or a white shirt with the 4-H emblem attached. Absolutely NO SHORTS will be allowed.

Any announcements day of show will take precedence over any other rules or regulations.

Division 760 - Small Animal Classes: A boy or girl must be regularly enrolled in the Small Animal Project by May 1 of the current year. All exhibitors must bring their pets to the fairgrounds in proper cages for exhibiting each pet. The 4-H member is also responsible for bringing feed and water for his pet.

An exhibit will consist of one or more animals, reptiles, or birds of the same kind. Judging will be on the total exhibit. A 4-H member may make an entry for each kind of pet carried in this project. Basis of judging exhibits in this division are: cage or container home of the pet - 25%; general knowledge of pet by exhibitor - 50%; healthy condition and general appearance of pets, clean, brushed, combed, etc. - 15%; and sportsmanship of exhibitor - 10%.

CLASS NUMBER:

G901. Hamsters

G902. Guinea Pigs

G903. Gerbils

G904. Rats or Mice

G905. Reptiles (Snake, Lizard, Turtles)

G906. Amphibians (Frogs, Toads, Etc.)

G907. Birds (Parakeets, Parrots, Etc.)

G908. Misc. Novelty Class (must be identified)

SCIENCE, ENGINEERING, AND TECHNOLOGY

Department H

GENE HOBBIE, Dunbar, Superintendent

CHERYL HOBBIE, Dunbar; Asst. Superintendent

Enter all exhibits in Exhibition Building on Wednesday from 4:00 p.m. - 7:00 p.m.

A. The name and county of each exhibitor should appear separately on the back of each board or articles so owner of exhibit may be identified if the entry tag is separated from the exhibit.

B. Several classes require a display board which has a height of 24" and not to exceed 1/4" in thickness. A height of 23-7/8" is acceptable to allow for the saw kerf (width) if two 24" boards are cut from one end of a 4' x 8' sheet of plywood. Nothing should be mounted within 3/4" of the top or bottom of the board. (Example: Woodworking & Electricity.)

C. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.

D. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.

E. Demonstration boards should include an overall title for the display, plus other necessary labeling.

F. Reports should be written using the scientific method whenever possible (Background, the Question or hypothesis, what you plan to do and what you did, Method used and observations, Results: what you learned). All reports should be computer generated and enclosed in a clear, plastic cover. The reports should be attached securely to the display.

AEROSPACE

Department H, Division 850

Aerospace - (Model Rockets)

(Pay Category 1)

(900 Numbers Do Not Go To State Fair)

Rockets must be supported substantially to protect the rocket from breakage. Rockets are to be mounted on base that has dimensions equal or less than 12"x12" and the base should be 3/4" thick. No metal bases. If the rocket fins extend beyond the edges of the required base (12" x 12"), then construct a base that is large enough to protect the fins. The base size is dictated by the size of the rocket fins. The rockets must be mounted vertically. Please do not attach sideboards or backdrops to the displays.

In addition a used engine or length of dowel pin is to be glued and/or screwed into the board and extended up into the rockets engine mount to give added stability. Rockets must be equipped as prepared for launching, with wadding and parachute or other recovery system. Rockets entered with live engines, wrong base size or sideboards will be disqualified. A report, protected in a clear plastic cover, must include:

1. Rocket Specification
2. Flight Record for Each Launching, (weather, distance, flight height)
3. Number of Launchings
4. Flight Pictures
5. Statistics
6. Objectives Learned
7. Conclusions

Items #1 - #3 can be in a "table" form. The flight record should describe engine used, what the rocket did in flight and recovery success. Points will not be deducted for launching, flight or recovery failures described. This includes any damage that may show on the rocket. Complete factory assembled rockets will not be accepted at the County Fair.

Judging is based upon display appearance, rocket appearance, workmanship, design or capabilities for

flight, number of times launched and report. Three (3) launches are required to earn the 9 launch points given on the score sheet. Only intermediate and advanced levels will be eligible for State Fair competition. For scoring, only actual launches count, misfires will not count towards one of the required three launches.

CLASS NUMBER:

H900. Single-Stage Rockets. Single-stage rockets up to 15 inches (38.1 cm) in length (no plastic fins)

H901. Single-Stage Rockets. Single-stage rockets over 15 inches (38.1 cm) in length (no plastic fins)

LIFT OFF - Unit 2

H1. Rocket: Any Skill Level 2 Rocket with wooden fins painted by hand or air brush.

H2. Display: Display exemplifying one of the principles learned in the Lift Off project. Examples include: display of rocket parts and purpose, interview of someone in the aerospace field, or kite terminology. Display can be any size up to 28" x 22"

H3. Rocket: Any Skill Level 2 Rocket with wooden fins painted using commercial application. Example: commercial spray paint.

REACHING NEW HEIGHTS - Unit 3

H4. Rocket: Any Skill Level 3 Rocket with wooden fins painted by hand or air brush.

H5. Display: Display exemplifying one of the principles learned in the Reaching New Heights project. Examples include: airplane instrumentation, kite flying, or radio-controlled planes. Display can be any size up to 28" x 22".

H6. Rocket: Any Skill Level 3 Rocket with wooden fins painted using commercial application. Example: commercial spray paint.

PILOT IN COMMAND - Unit 4

H7. Rocket: Any Skill Level 4 Rocket with wooden fins or any self-designed rocket.

H8. Display: Display exemplifying one of the principles learned in the Pilot in Command project. Examples include: flying lessons, or careers in aerospace. Display can be any size up to 28" x 22".

CAREERS

Class 20. Careers Interview. Interview someone who is working in the field of aerospace and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

COMPUTERS

Department H, Division 860

(900 Numbers Do Not Go To State Fair)

Computers Mysteries - Unit 1

(Pay Category 3)

CLASS NUMBER:

H901. Computer Usage. Interview 2 people who have jobs that use a computer. Write a 1 page report on what you learned. Mount on a poster board or colored paper not to exceed 12" x 15".

H902. Web Sites. Create a poster using 4-H information you have printed off from the Nebraska Extension in Otoe County, University of Nebraska - Lincoln, and National 4-H web sites. Poster can be any size up to 22" x 28".

H903. Birthday Greeting. Create a birthday greeting on 8 1/2" x 11" paper. Mount on poster board or

colored paper not to exceed 12" x 15".

Computers Mysteries - Unit 2

(Pay Category 2)

CLASS NUMBER:

H1. Computer Application. 4-H exhibitor should use computer application to create a graphic notebook utilizing computer technology. 4-H'er may create any of the following: greeting card (5 different cards should as a birthday, wedding, anniversary, sympathy, get well, or other); a business card (3 cards for 3 different individuals and businesses); menu (minimum of 2 pages including short description of foods and pricing); book layout (I-book); promotional flyer (3 flyers promoting 3 different events); newsletter (minimum 2 pages); or other: examples such as precision farming or family business logo etc. This exhibit consists of a notebook (8 ½" x 11") which should include: 1) a detailed report describing: (a) the task to be completed, (b) the computer application software required to complete the task, (c) specific features of the computer application software necessary for completing the task and 2) print out of your project. Project may be in color or black and white.

H2. Produce a Computer Slideshow Presentation. Using presentation software the 4-H exhibitor develops a slideshow about a topic related to youth. The slideshow should include a minimum of 10 slides and no more than 25. Incorporate appropriate slide layouts, graphics, animations and audio (music or voice and transition sounds do not count). Each slide should include notes for a presenter. The exhibit includes a copy of the presentation saved to a CD-ROM along with a printout of the notes pages in a clear plastic cover.

Computer Mysteries - Unit 3

(Pay Category 2)

H4. Produce an Audio/Video Computer Presentation. Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth. The presentation should be at least 2 minutes and no more than 5 minutes in length and have appropriate graphics, sound and either a video clip, animation or voice over and/or original video clip. The presentation must be able to be played and viewed on a PC using Windows Media Player, Real Player, iTunes or QuickTime Player.

H5. How to STEM (Science, Technology, Engineering and Math) Presentation. 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.

H6. Create a Web Site/Blog or App. Design a simple Web site/blog or app for providing information about a topic related to youth using either software programs such as an HTML editor like Microsoft's FrontPage or Macromedia's Dreamweaver, and image editor like IrfanView or GIMP OR online using a WIKI such as Google Sites. If the Web site, Blog, or App isn't live, include all files comprising the Web site, Blog or App should be submitted on a CD-ROM in a plastic case along with the explanation of why the site was created. If developed using a WIKI or other online tool include a link to the website in the explanation of why the site was created.

H7. 3D Printing Unique Items. 3D printing uses plastic or other materials to build a 3 dimensional object from a digital design. Youth may use original designs or someone else's they have re-designed in a unique way. Exhibits will be judged based on the complexity of the design and shape. 3D UNIQUE OBJECT: 3D objects printed for their own sake. May be an art design, tool, or other object. 3D printing will include a notebook with the following: a) Software used to create 3D design; b) Design or, if using a re-design, the original design and the youth's design with changes; and c) Orientation on how the object was printed.

H8.Printing Prototypes. 3D printing uses plastic or other materials to build a 3 dimensional object from a digital design. Youth may use original designs or someone else's they have re-designed in a unique way. Exhibits will be judged based on the complexity of the design and shape. 3D objects printed as part of the design process for robot or other engineering project or cookie cutter, be creative. Must include statement of what design question the prototype was supposed to answer and what was learned from the prototype. 3D printing will include a notebook with the following: a) Software used to create 3D design; b) Design or, if using a re-design, the original design and the youth's design with changes; and c) Orientation on how the object was printed.

ELECTRICITY

Department H, Division 870

Electricity - Magic of Electricity - Unit 1

(Pay Category 3)

(900 Numbers Do Not Go To State Fair)

CLASS NUMBER:

H901. Bright Lights. Create your own flash light using items found around your house. Flash lights should be made out of items that could be recycled or reused. No kits allowed.

H902. Control the Flow. Make a switch. Use the following items: D cell battery, battery holder, insulated wire, 2 or 2.5 volt light bulb, bulb holder, paper clip, cardboard and two brass paper fasteners to create a circuit that you can open and close.

H903. Conducting Things. Make a circuit with a switch and a light bulb that can be used to test different household items for their ability to act as an insulator or conductor. You must find five items that are conductors and five items that are insulators. Create a table that illustrates your results.

H904. Parallel Circuit. Use the following kinds of items to construct one parallel circuit. Items: D cell battery, battery holder, insulated wire, bulb holder and a 2 or 2.5 volt light bulb.

H905. Series Circuit. Use the following kinds of items to construct one series circuit. Items: D cell battery, battery holder, insulated wire, bulb holder and a 2 or 2.5 volt light bulb.

H906. Electrical Poster. Poster should exemplify one of the lessons learned in the Magic of Electricity Project. Posters can be any size up to 28" x 22".

Department H, Division 870

Electricity - Investigating Electricity - Unit 2

(Pay Category 2)

H907. Case of the Switching Circuit. Use the following items: two D cell batteries, two battery holders, light bulb, bulb holder, a 3" x 6" piece of cardboard, six brass paper fasteners and approximately 2 feet of insulated wire to build a three way switch.

H908. Rocket Launcher. Construct a rocket launcher out of the following materials: a plastic pencil box that is at least 4" x 8", single pole switch, normally open push button switch, 40 feet of stranded insulated wire, 4 alligator clips, 2" x 6" board (6" long), 1/8" diameter metal rod, rosin core solder, soldering iron or gun, wire stripper, small crescent wrench, pliers, small Phillips and straight blade screwdrivers, drill, 1/8" and 1/4" drill bits, rocket engine igniters, additional drill bits matched to holes for two switches. You may successfully build a rocket launcher and light two rockets igniters with your launcher. You DO NOT have to actually fire a rocket off of the launcher.

H909. Stop the Crime. Build an ALARM using the following materials: on-off push button switch,

mercury switch, buzzer-vibrating or piezoelectric, 9-volt battery, 9-volt battery holder, 4" x 4" x 1/8 plexiglass board to mount circuit on, rosin core solder, soldering iron or gun, 2 feet of insulated wire, wire strippers, hot glue sticks, hot glue gun and a plastic box with a lid to mount your alarm circuit on.

H910. Electrical Poster. Poster should exemplify one of the lessons learned in the Investigating Electricity Project. Posters can be any size up to 28" x 22".

Department H, Division 870

Electricity - Wired For Power - Unit 3

(Pay Category 1)

CLASS NUMBER:

H1. Electrical Tool/Supply Kit. Create an electrical supply kit to be used for basic electrical repair around the house. Include a brief description of each item and its use. Container should be appropriate to hold items.

H2. Lighting Comparison. Display studying the efficiency of various lighting (incandescent, fluorescent, halogen, Light Emitting Diodes, etc.). Exhibit could be a poster display or an actual item.

H3. Electrical Display/Item. Show an application of one of the concepts learned in the Wired for Power project. Examples include: re-wiring or building a lamp, re-wiring or making a heavy duty extension cord or developing an electrical diagram of a house. Exhibit could be a poster display, or an actual item.

H4. Poster. Poster should exemplify one of the lessons learned in the Wired for Power Project. Posters can be any size up to 28" x 22".

Department H, Division 870

Electronics - Unit 4

(Pay Category 1)

H5. Electrical/Electronic Part Identification. Display different parts used for electrical/electronic work. Exhibit should show the part (either picture or actual item) and give a brief description, including symbol of each part and its function. Display should include a minimum of 10 different parts.

H6. Electronic Display. Show an application of one of the concepts learned in the Electronics project. Examples include: components of a electronic device (refer to p. 35 of the Electronic manual).

H7. Electronic Project. Exhibit an electronic item designed by the 4-H'er or form a manufactured kit that shows the electronic expertise of the 4-H'er. Examples include: a radio, a computer, or a volt meter.

H8. Poster. Poster should exemplify one of the lessons learned in the Entering Electronics Project. Posters can be any size up to 28" x 22".

CAREERS

Class 10. Careers Interview. Interview someone who is working in the field of electricity and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

ROBOTICS

Department H, Division 861

Youth enrolled in Virtual Robotics, Junk Drawer Robotics (Levels 1, 2, or 3), Robotics Platforms or GEAR TECH 21 may exhibit in any class within this division.

(Pay Category 1)

CLASS NUMBER:

H1. Robotics Poster. Create a poster (14" x 22") communicating a robotics theme such as "Robot or

Not", "Pseudocode", "Real World Robots", "Careers in Robots" or "Autonomous Robotics", "Precision Agriculture" or a robotic topic of interest to the 4-H'er.

H2. Robotics Notebook. Explore a robotics topic in-depth and present your findings in a notebook. Documentation should include any designs, research, notes, pseudocode, data tables or other evidence of the 4-H'ers learning experience. The notebook should contain at least three pages. Topics could include a programming challenge, a programming skill, calibration, sensor exploration, or any of the topics suggested in Class 1.

H3. Robotics Video. This class should be displayed in a notebook. The notebook should include a video clip on a CD/DVD that demonstrates the robot performing the programmed function. Include your pseudo code and screenshots of the actual code with a written description of the icon/command functions.

H4. Robotics/Careers Interview. Interview someone who is working in the field of robotics and research the career in robotics. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

H5. Robotics Sensor Notebook. Write pseudo code which includes at least one sensor activity. Include the code written and explain the code function.

H6. Build a Robot (may use kit). Include a robot and notebook including the pseudo codes for at least one program you have written for the robot, the robot's purpose, and any challenges or changes you would make in the robot design or programming. If robot is more than 15" inches wide and 20" inches tall it may not be displayed in locked cases. We recommend that you submit the project under class H861003 - Robotics Video.

H7. Kit Labeled Robot (cannot be programmed). This class is intended for explorations of robotic components such as arms or vehicles OR educational kits marketed as robots that do not have the ability to be programmed to "sense, plan and act." The exhibit should include a project the youth has constructed, a description of what it does, and an explanation of how it is similar to and different from a robot. If robot is more than 15" inches wide and 20" inches tall it may not be displayed in locked cases. We recommend that you submit the project under class H861003 - Robotics Video.

GEOSPATIAL

Department H, Division 880

Geospatial

Youth enrolled in Geospatial or GEAR TECH 21 may exhibit in any class within this division.

(Pay Category 1)

H1. Poster. Create a poster (not to exceed 14" x 22") communicating a GPS theme such as: How GPS or GIS works; Careers that use GPS or GIS; How to use GPS; What is GIS, GPS or GIS in Agriculture; Precision Agriculture; or a geospatial topic of interest.

H2. 4-H Favorite Places or Historical Site Poster. The 4-H exhibitor identifies a favorite place or historical site (including grave sites) in Nebraska. Exhibit should include latitude and longitude, digital picture, and local area map. Poster size should not exceed 14" x 22".

H3. GPS Notebook. Keep a log of at least 5 places visited using a GPS enabled device. At least one site should be from a community other than where you live. For each site, record the latitude, longitude and elevation. Also include a description of the site, a paragraph explaining what was interesting about the site or finding it. Photos of each site and/or cache are optional but encouraged.

H4. Geocache. Assemble a themed geocache. Each geocache should be a watertight container. It should include a log book and pencil for finders to log their visits and may include small trinket, geocoins, etc. for the finders to trade. Documentation should include a title, teaser description, and the geographic coordinates of intended placement. Register the site at geocaching.com, included a print-out of its registry. The entry may include a photograph of the cache in its intended hiding place.

H5. Agriculture Precision Mapping. 4-H'ers will assemble a notebook that will include a minimum of 2 digital copies of various data layers that can be used in precision agriculture to identify spatial patterns and/or correlations (printed copies of websites where applications can be purchased is acceptable). A report of how the analysis of the various data will be used to make a management decision.

H7. 4-H History Map Preserve 4-H History: Nominate a Point of Interest for the 4-H History Map Project include copy of submitted form in folder or notebook. To nominate a site for the 4-H history map please go to <http://arcg.is/1bvGogV>. For more information about 4-H history, go to http://4hhistorypreservation.com/History_Map/. For a step-by-step video on nominating a point, please go to this link: <http://tinyurl.com/nominate4h>. Write a brief description of historical significance of 4-H place or person. (a minimum of one paragraph)

CAREERS

Class 10. Careers Interview. Interview someone who is working in a Geospacial field and include research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

POWER OF WIND

Department H, Division 900

Power of Wind

(Pay Category 2)

H1. Engineering Notebook. Include sketches of designs, notes of engineering questions you have, or answers to questions posed within the project manual, pictures as you complete exercises within this project, or big ideas you have while participating in this project. The notebook submitted in the class should be a working engineering notebook, not a scrapbook. Please include your name, county, and age on the front cover.

H2. Wind Poster. Poster should exemplify one of the lessons learned in the Power of Wind project. Posters can be any size up to 14" x 22".

H3. Mini Turbine Blade Energy Display. Develop a pinwheel display that demonstrates the working power of wind. Follow guidelines on page 18 and 19 of your manual. Display should include a notebook description of the effectiveness of at least three different designs or materials. Please do not include pennies with your display.

H4. Wind Art or Literature Written Piece. Item should illustrate or represent wind turbines, wind power, or something from the power of wind curriculum, for example a pinwheel or item may be original story or poem written by the exhibitor about wind.

H5. Wind as Energy Display. Item should be the original design of the 4-H'er. Include the item, or a picture if item is in excess of 6' tall or 2' x 2'. Include a notebook of why the item was designed and how it harnesses the power of wind.

H6. Alternative Energy. Poster should exemplify an alternative energy source besides wind. Posters can be any size up to 14" by 22".

Small Engines

Exhibits will be entered on Wednesday from 4:00 p.m. – 7:00 p.m. at Exhibition Hall.

Department H - Division 890

(Pay Category 3)

900 Numbers Do Not Go To State Fair

Crank It Up, Unit 1

H901. Small Engine Display/Item. Show an application of one of the concepts learned in the Crank It Up project manual. Examples include: identify the parts of a small engine, safety rules for starting a small engine, small engine repair tool identification.

Warm It Up, Unit 2

H902. Small Engine Display/Item. Show an application of one of the concepts learned in the Warm It Up project. Examples include: comparison of engine oil types, transmissions, or safety related to engines. Exhibit could be a poster display, or an actual item.

Tune It Up, Unit 3

H903. Engine Display/Item. Display/Item should exemplify one of the lessons learned in the Tune It Up Project. Examples include: diagnostic tools, fuel systems, ignition systems. If a complete engine is exhibited it will not be started. However, display needs to report process of building/rebuilding engine and how/where engine will be utilized (i.e. lawn mower, weed eater, snow blower, etc.)

Woodworking

Exhibits will be entered on Wednesday from 4:00 p.m. – 7:00 p.m. at Exhibition Hall.

(900 Numbers Do Not Go To State Fair)

Department H - Division 911

Unit I Woodworking

(Pay Category 3)

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

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

Woodworking, Measuring Up, Unit 1

CLASS NUMBER:

H900. Woodworking Article. Item made using skills learned in the Measuring Up manual. Examples include: box, napkin/letter holder, picture frame, or other skill level appropriate item. Items should be entered with construction plans.

H901. Woodworking Display. Display exemplifying one of the principles learned in the Measuring Up manual.

H902. Other Items - Unit 1. Other article as shown in Woodworking Unit 1 manual or comparable.

Department H - Division 911

Woodworking, Making the Cut, Unit 2

(Pay Category 2)

H903. Woodworking Article. Item made using skills learned in the Making the Cut manual. Examples include: birdhouse or foot stool. Items should be entered with construction plans.

H904. Woodworking Display. Display exemplifying one of the principles learned in the Making the Cut manual.

H905. Other Items - Unit 2. Other article as shown in Woodworking Unit 2 manual or comparable.

Department H - Division 911

Woodworking, Nailing It Together - Unit 3

(Pay Category 1)

CLASS NUMBER:

H1. Woodworking Article. Item made using skills learned in the Nailing It Together manual. Examples include: bookcase, coffee table, or end table.

H2. Woodworking Display. Display exemplifying one of the principles learned in the Nailing It Together manual. Examples include: measuring angles, wood lamination and joint types.

H3. Recycled Woodworking Display. Article made from recycled, reclaimed or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques from page 2 of the Unit 3 manual. Exhibit must include the woodworking plan and a minimum one page report of how the engineering design process was used to develop the woodworking plan. Engineering Design Process:

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

H906. Other Items - Unit 3. Other article as shown in Woodworking Unit 3 manual or comparable.

Woodworking, Finishing up - Unit 4

(Pay Category 1)

H4. Woodworking Article. Item made using skills learned in the Finishing It Up manual. Examples include: dovetailing, making a pen using lathe, overlays, using a router, etc.

H5. Woodworking Display. Display exemplifying one of the principles learned in the Finishing It Up manual. Examples include: career opportunities, types of finishes, or dovetailing.

H6. Recycled Woodworking Display. Article made from recycled, reclaimed or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques from page 2 of the Unit 4 manual. Exhibit must include the woodworking plan and a minimum one page report of how the design and engineering process was used to develop the woodworking plan.

- 1) State the problem (Why did you need this item?)
- 2) Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?)
- 3) Select a solution (How does your solution compare on the basis of cost, availability, and

functionality?)

4) Build the item (What was your woodworking plan, and what processes did you use to build your item?)

5) Evaluate (How does your item solve the original need?)

6) Present results (How would you do this better next time?)

H907. Other Items - Unit 4. Other articles as shown in Woodworking Unit 4 manual or comparable.

CAREERS Class 10. Careers Interview. Interview someone who is working in the field of woodworking and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

Welding

Exhibits will be entered on Wednesday from 4:00 p.m. – 7:00 p.m. at Exhibition Hall.

Department H, Division 920

Arcs and Sparks

(Pay Category 3)

(All metal welding process accepted.)

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

CLASS NUMBER:

H1. Welding Joints. A display of one butt, one lap and one fillet weld. Suggestions for Welding Joints: 1. All welds should be made with the same electrode/wire/rod size and number. 2. Welds should be made only on one side of metal so penetration can be judged. 3. Welds should be cleaned with chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil. 4. It is suggested that all welds be on the same size and thickness of metal. These pieces, referred to as coupons, should be 1.5 to 2 inches wide and 3.5 to 4 inches long. A good way to get this size is to buy new cold rolled strap iron and cut to length. The extra width is needed to provide enough metal to absorb the heat from the welding process and prevent the coupons from becoming too hot before the bead is completed. Narrower coupons will become very hot, making an average welder setting too cold at the bead start, just about right in the middle, and too hot at the end. The correct way to weld narrow strips is to make short beads and allow time to cool, however this project requires a full length bead.

Stick Welding: Suggested coupon thickness - 1/4" if using 1/8" rod. Suggested rod-AC and DC straight or reverse polarity - first E-7014, second E-6013.

MIG Welding: Suggested coupon thickness--1/4" if using .035 wire and 1/8" if using .023 wire.

Oxy-Acetylene: Suggested coupon thickness -- 1/8". Suggested rod -- 1/8" mild steel rod.

H2. Position Welds. A display showing three (3) beads welded in the vertical down, horizontal, and overhead positions. Suggestions for Position Welds: 1. It is suggested that all welds be on same size and thickness of metal. These pieces are referred to as coupons. The welds can be on one coupon that is about 4"x4" or on individual coupons that are about 2"x4" inch and 1/4" thick. Suggested rods for this

class of position welds for AC and DC straight or reverse polarity is, first E-6013, second E-7014 and E-6010 for DC reverse polarity only. 2. Welds should be cleaned with a chipping hammer and wire brush. Apply a coat of light oil (penetrating oil) to the metal to prevent rusting. Wipe off excess oil.

H3. Welding Article. Any shop article or piece of furniture where welding is used in the construction. 60% of item must be completed by 4-H'er and notes regarding laser welding or machine welding must be included. All plans, plan alterations, and a bill for materials must be attached to the article. Protect plans with a cover.

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.

H4. Welding Furniture. Any furniture with 75% welding is used in the construction. 60% of item must be completed by 4-H'er and notes regarding laser welding or machine welding must be included. All plans, plan alterations, dimensions and a bill for materials must be attached to the article. Protect plans with a cover. May be displayed outside at State Fair.

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.

H5. Careers Interview. Interview someone who is working in the field of welding and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.

Department H - Entomology

Exhibits will be entered on Wednesday from 4:00 p.m. – 7:00 p.m. at Exhibition Hall.

Specimens in display collections should be mounted properly and labeled with location and date of collection, name of collector, and order name. Follow mounting and labeling instructions in the Nebraska 4-H Entomology Manual. All specimens must be from the collector.

Boxes are preferred to be 12" high x 18" wide, and landscaped orientation so they fit in display racks.

Department H - Division 800

(Pay Category 1)

H1. Entomology Display - Beginning Level (can be in project up to 3 years). Collection to consist of 25 or more different kinds (species) of insects representing at least 6 orders. Limit of one box.

H2. Entomology Display - Intermediate Level (can be intermediate level up to 3 years). Collection to consist of a minimum of 50 kinds (species) of insects representing at least 8 orders. Replace damaged or poorly mounted specimens. About 25 species should be present from after July 1 of the previous year. Limit 2 boxes.

H3. Entomology Display -Advanced Level (can be in advanced level up to 3 years). Collection to consist of minimum of 75 kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. About 25 species should be present from after July 1 of previous year. Limit of 3 boxes.

H4. Special Interest Display. Educational display developed according to individual interests and

abilities. Each display should be self-explanatory so that the audience can understand it without help. Examples include a collection from a specific insect group (e.g. butterflies, grasshoppers, dragonflies, scarab beetles, etc.) or by subject (e.g. insect pests of corn, aquatic insects, insect mimicry, etc). Other displays include a research project with a report, journal of an entomological activity, poster display, insect scrapbook, artwork, etc. Research project report should discuss methods, results, and what was learned. Poster display can be no larger than 22" x 28". Three-dimensional displays such as artwork, models and dioramas are restricted to a base area no larger than 22" x 28" and a height of no more than 24". Artwork should include brief information about the work.

H5. Insect Habitats. Habitats consist of any hand-crafted objects, made of natural or artificial materials, placed outdoors, 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.

H6. Macrophotography. Subjects should be insects, spiders or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be 8 ½" x 11" and mounted on rigid, black 11" x 14" poster or matte board. Either orientation is acceptable. No frames are allowed. A short caption explaining the subject, printed on white paper, should be glued below the print on the poster or mat board.

Department H ATV

Open to all 4-H'ers who have participated in an ATV course. Exhibit will be entered on Wednesday from 4:00 p.m. - 7:00 p.m. at Exhibition Hall.

Department H - Division 801 (Pay Category 3)

H900. Safety Poster - Six photos of yourself demonstrating safety measures necessary for ATV operation.

Department H Veterinary Science

Exhibits will be entered on Wednesday from 4:00 p.m. – 7:00 p.m. at Exhibition Hall.

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

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

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

First -Aid Kits: Because of public safety concerns and risk of theft of first-aid contents (veterinary drugs/equipment) with perceived potential for drug abuse, NO ANIMAL FIRST-AID KITS WILL BE PERMITTED. Animal first-aid kits submitted will be immediately disqualified and not shown.

Veterinary Science Posters: This exhibit presents the viewer with a design that is simple and direct, unlike a display that usually presents more information. A poster should not exceed 22" x 28" and

may be either vertical or horizontal.

Veterinary Science Displays: A display may include but is not limited to: a 3-dimensional exhibit, a scale model, the actual product (for example: skeleton; teeth; samples of leather, fur, or dried skin damaged by disease or parasites) or a notebook. A display is not a poster. A display may be mounted on poster board not to exceed 22" x 28" or on 1/4" plywood or equivalent that does not exceed 24" high or 32" wide or in a three ring binder or another bound notebook format.

Appropriate Veterinary Science Topics:

- Maintaining health
- Specific disease information
- Photographic display of normal and abnormal characteristics of animals
- Animal health or safety
- Public health or safety
- Proper animal management to ensure food safety and 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.

Department H - Division 840

Classes:

(Pay Category 2)

H1. 4-H Veterinary Science Large Animal Poster, Notebook, or Display.

H2. 4-H Veterinary Science Small Animal/Pet Poster, Notebook, or Display.

Department J - Summer/Special Projects

Department J - Summer Projects

Department J - Division 10

(Pay Category 3)

Enter exhibits in the Kimmel Event Center on Tuesday from 4:00 p.m. - 7:00 p.m.

CLASS NUMBER:

J900. Item made at a 4-H workshop.

J901. Item made at a 4-H workshop.

J902. Item made at a 4-H club meeting.

Department J - Special Fair Project:

Bees and Other Pollinators

Department J - Division 11

(Pay Category 3)

All 4-H-ers are eligible to enter exhibits in the following areas, which relate to the importance of bees and other pollinators. Enter on Wednesday from 4:00 p.m. - 7:00 p.m. Enter food exhibits in the Kimmel Event Center, all others in the Exhibition Building.

CLASS NUMBER:

J901. One Bee-Bot - include a paragraph explaining the importance of bees

J902. Cookies made with honey. Four on a plate.

J903. Quick bread made with honey. At least 3/4 of a loaf.

J904. Yeast bread made with honey. At least 3/4 of a loaf.

J905. A 500-word essay on the importance of bees. Typed or hand written.

J906. A 500-word essay on commercial beekeeping as a career. Typed or hand written.

J907. One photo any size related to bees, flowers, and/or other pollinators. Mount with a 2" mat border.

J908. Interview a bee producer and learn why bees are important to plants and the environment. Type or hand write a 2-page paper about your interview.

J909. Make a poster (any size) showing the different invasive species in our area, how they affect the ecosystem, and how they spread.

J910. Make a poster (any size) showing the natural habitat of bees and other pollinators.

J911. Three photos of pollinator plants at different times of day -- morning, afternoon, and evening.