

2023 Johnson County 4-H Fair Book

Things that need completed by June 15:

- Youth enrolled in 4-H (<https://4honline.com/#/user/sign-in>)
 - Livestock ID & Affidavits turned into Extension Office
 - Poultry and Rabbit ID & Affidavits turned into Extension Office
 - County Fair Horse Entries turned into the Extension Office
 - Horse Level Testing complete
 - YQCA Training complete and Certificate turned into Extension Office
 - County Fair 4-H Large & Small Animal Entries turned into Extension Office
 - Clover Kids Animal Identification forms turned into Extension Office
 - Clover Kids Pet Show Entries turned into Extension Office
 - Nebraska State Fair Nomination Deadline
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- Nebraska State Fair Entry Deadline – August 10, 2023 by 8:00 PM
 - AKSARBEN Stock Show DNA Deadline – July 1, 2023

Johnson County Fair August 17-20
Nebraska State Fair August 25-27 **4-H**
Nebraska State Fair September 1-4 **FFA**
AKSARBEN September 21-24

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Contest rules are available at the Extension Office or online (www.Johnson.unl.edu).

The County Fair is a time for youth to demonstrate what they have learned that year in their projects they have completed. Project manuals (curriculum) are available free of charge for all Johnson County 4-H members. Projects provide the basis of the 4-H program by offering various educational experiences. Carrying out a project will help the member "learn by doing" as well as learn "why" things happen the way they do. During county fair, youth may choose to show animal exhibits (poultry, sheep, horse, etc.) or enter completed static exhibits (art, photography, woodworking, etc.).



WHERE TO START??

- Review the "General Rules"
- Take a closer look at "General Livestock Rules and Regulations" and/or "General Static Rules and Regulations"
- Locate specific classes which align with the curriculum or project manuals the 4-H-er wishes to work on. The fairbook is organized with DEPARTMENTS, AREAS, DIVISIONS, & CLASSES.

READING THE FAIRBOOK

Department Name

Project Area

Curriculum & Level

Specific Rules for Area

Division Name

Specific Rules for Division

Ribbon Premium

Class # and Description
SF = State Fair eligible
C = County only projects

DEPARTMENT: CONSUMER & FAMILY SCIENCE
AREA: CONSUMER MANAGEMENT

CURRICULUM & RESOURCES
Shopping in Style B I A
Making Cents of It B I A
My Financial Future: Beginner Notebook B I A
My Financial Future: Advanced Notebook B I A

AREA RULES – CONSUMER MANAGEMENT
1. Entries which do not include required information or formatting requirements will be lowered one ribbon placing.

DEPARTMENT C – DIVISION 240 – SHOPPING IN STYLE

DIVISION RULES – SHOPPING IN STYLE
1. 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.

Division	Class	Pay	Purple	Blue	Red	White
240	001-006	2	\$4.00	\$3.00	\$2.00	\$1.00
240	901-903	1	\$2.50	\$2.00	\$1.50	\$1.00

SF) 001 Best Buy for Your Buck (SF84) – For exhibitors ages 10-13. Provide details of the best buy you made for your buck this year! Include wardrobe inventory which includes 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). Consider building the ultimate wardrobe by

GENERAL RULES

The following rules apply to all departments. Rules which apply specifically to a particular department will be listed under rules for that department.

A. ELIGIBILITY REQUIREMENTS FOR EXHIBITORS

1. An exhibitor must be a 4-H member enrolled in the project he/she is exhibiting. Exhibitors must be enrolled by June 15 in the project in which they wish to exhibit. There will be no discrimination because of race, color, sex, national or ethnic origin, religion, age, disability, marital status or sexual orientation.
2. Accommodation for exhibitors with special needs will be granted and the superintendent, 4-H Council and/or Extension Educator will be made aware of the exhibitor's special needs.
3. A 4-H member must be 8 to 18 years of age inclusive on January 1 of the current year. The last year of eligibility is the calendar year the member becomes 19.




B. EXHIBIT ENTRIES


1. General

- a. Youth may exhibit one entry per class unless otherwise noted. No entry can compete in more than one class.
- b. Youth may not show the same animal or static exhibit in two separate counties. In addition, 4-H members are not allowed to show multiple Large and Small Animal exhibits under the same project in more than one county.


2. Exhibits Released

- a. The release times for the County Fair will be listed on the County Fair Schedule. No exhibitor is allowed to remove any article or animal on exhibition until the scheduled time without the permission of the area superintendent.
- b. To remove animal(s) before the scheduled time the Animal Dismissal Form must be completed for each animal that is removed.  **See Appendix A for “Animal Dismissal Form”.**

C. DISCLAIMER OF RESPONSIBILITY AT COUNTY FAIR

1. Exhibits – 4-H exhibits at County Fair are entered and displayed at the risk of the 4-H member. The University of Nebraska Extension 4-H Youth Development, in cooperation with the County Ag Society accepts exhibits and will exercise due care to protect them. However, 4-H and the County Ag Society cannot accept responsibility for loss or damage that may occur to exhibits or exhibitors. 4-H members who have exhibits of great sentimental and/or monetary value should carefully consider whether such exhibits should be exposed to the hazards of the fair.
2. Patrons/Participants – While the greatest possible care will be exercised by the County Ag Society to protect patrons/participants of the County Fair, each individual will be held personally responsible for any injury, accident and/or loss.
3. Substance Abuse – Use of possession of tobacco, alcoholic beverages, or drugs (except for medical purposes) by any exhibitor who is participating in 4-H at the County Fair will result in immediate disqualification of that exhibitor’s entry.
4. Insurance – Accident insurance (medical) is carried on 4-H members in the Johnson 4-H program. A report of all accidents must be made to the 4-H Office on the Fairgrounds or the Extension Office at the Courthouse within 24 hours after the accident. Your claim must be filed with the Extension Office within 10 days after the accident.  **See Appendix B for “Accident Report Form”.**

D. PROTEST OR APPEALS COMMITTEE



1. The superintendents of each division at the County Fair have the authority to make the appropriate decisions based on the rules and regulations of the County Fair.
2. The division superintendents and designated members of the Ag Society will serve as the Protest and Appeals Committee. They will meet when needed to act upon any protest or appeals.
 - a. All protests or appeals must be submitted in writing and signed. Written protests or appeals must be submitted to the County Extension Staff. The staff person will convene the committee for their deliberation.
 - b. Written protests or appeals must include the following:
 - i. Names of persons involved
 - ii. Nature of concerns
 - iii. Situation and documentation
 - iv. Recommendations for correction
 - v. Specific action, rule, etc. in question
 - vi. Additional persons committee may contact for further clarification.
 - vii. Procedures and/or steps carried out by person involved prior to submission of the protest to the Extension Staff person
 - c. The committee will review the written protest. They may discuss the situation with anyone they feel has knowledge of the situation. The committee’s recommendation or decision will be communicated both verbally and in writing to the group or individuals affected. The committee will recommend appropriate action to the Extension Staff in writing prior to communicating with the affected group or individual.
 - d. In cases of protest the exhibitor may be allowed to show pending the results of the committee’s decision. Results of this showing may be subject to change based on the outcome of the protest process.
 - e. The show management reserves the right to withhold premium and/or award. The exhibitor may be excluded from the show if action warrants.
 - f. The appeals process is limited to the 4-H exhibitor, parent and/or volunteer leader.
 - g. Protests will not be accepted after the exhibit is released from the County Fair. Protests related to judges’ integrity, decisions, placing and/or other evaluations will not be accepted.
 - h.  **See Appendix C for “Protest and Appeals Committee Form”.**

E. RIBBONS AND PREMIUMS AWARDED





1. Exhibits are judged according to research-based standards that indicate level of performance or quality of work. Purple will denote superior exhibits, blue will denote an excellent exhibit, red will denote a good exhibit, and white will denote an acceptable exhibit. Clover Kid ribbons denote participation and will receive a participation ribbon.

2. Exhibits must be purple to be named champion or reserve champion and/or qualify for related special awards. Special awards include trophies, plaques, medals, and medallions.
 3. All static exhibits must have received a purple at county fair to advance to the state fair.
- F. SPECIAL AWARDS**
1. No special awards will be presented unless they have been approved by the 4-H Council.
- G. FORFEIT OF PREMIUM**
1. Exhibitors will forfeit their ribbon premium money under the following situations if not previously approved by the 4-H Council.
 - a. Late 4-H Enrollment and/or Project Enrollment
 - b. Late Pre-Fair Entry Sheets and/or Late Animal Identification Forms
 - c. Failure to Meet Dress Code Requirements
- H. VIOLATION OF RULES**
1. Exhibitors are subject to loss of premium monies, ribbons, other awards and/or elimination from the show.
 - a. No person except the judges on duty, ring assistants, officers of the County Ag Society and exhibitors will be allowed inside the arena during the judging of entries.
 - b. No person shall be allowed to interfere with a judge; any exhibitor who, by letter or otherwise, does so will be excluded from competition.
 - c. If the County Ag Society is provided with satisfactory information that a premium has been obtained by fraud, then such premium shall be withheld for disobedience to the rules.
- I. DISQUALIFICATIONS/JUDGING**
1. Area superintendents have the authority to determine eligibility/ineligibility of an exhibit entry in their division. All ineligible items will not be judged and will not be displayed.
- J. ADVERTISING**
1. The distribution of advertising matter is strictly prohibited and tacking of advertising matter on buildings will not be permitted. Exhibitors may distribute advertising matter from their place of exhibit only.

GENERAL LIVESTOCK RULES AND REGULATIONS

- A. ENTRY REQUIREMENTS**
1. All Large and Small Animal Project exhibits for the County Fair need to be pre-entered on the appropriate Pre-Entry Sheet and an Animal Identification Form completed.
 2. Companion Animals (Cat, Dog, Small Animals) exhibits for pre-fair shows need to be Pre-Entered (requirements vary based on multi-county host location) and an Animal Identification Form completed.
- B. GENERAL ANIMAL IDENTIFICATION**
1. All animals need to be identified with an identification number and ownership certified on Identification/Ownership Affidavits due in the Extension Office by the identification deadline.  **See Appendix D for "Animal Identification Guidelines"**.
 - a. All goats and sheep (market and breeding) must be individually identified with USDA Official ID (part of the scrapie eradication program). Under no circumstances may animals be exhibited which originate from scrapie-source flocks or scrapie-infected flocks.
 - b. Call the scrapie toll free number 866-USDA-TAG (866-873-2824 Select option 7 for Epidemiologist officer) to request official ear tags at no cost and/or a flock ID number or for more information. *It takes about 2 weeks to arrive, so plan ahead!*
 2. Multiple siblings may be listed on a single animal identification as long as it does not exceed maximum entries per animal species. Only youth identified on the Identification/Ownership Affidavit will be allowed to exhibit at the County Fair, Nebraska State Fair and Ak-Sar-Ben.
 3. All identification sheets need to be filled out completely.
- B. OWNERSHIP OF ANIMALS**
1. Beef, sheep, dairy cattle, goat, horse, swine, rabbit, poultry, dog, cat, or other small animal project animals may be owned or leased.
 - a. An owned animal is defined as one solely owned by the 4-H exhibitor or immediate family member.
 - b. A leased animal is defined as an animal owned by someone outside their immediate family but will be shown only by the 4-H leasing member during the duration of the lease. Leased animals may not be shown by any other person in another 4-H show, open show, FFA show, jackpot show, or expo.
 - i. The 4-H member must participate in learning about the care, training, feeding, and other management practices associated with the animal there are lease by performing an agreed upon amount of work identified by the owner and youth.  **See Appendix E for optional "Animal Lease Agreement Form"**.
- C. GENERAL HEALTH REQUIREMENTS FOR ALL ANIMALS**
1. Animals must be in good health to be exhibited and/or stalled. Animals who appear malnourished, injured, or sick will be quarantined until a veterinarian checks them or they will be sent home.



2. Animals that have active ringworm, visible warts, or abscesses will not be sent home unless removal of animal is determined by veterinarian.
 3. **Castration Policy-** Cattle/goats/sheep/swine must have been castrated at least two weeks prior to the Johnson County Fair. If the animal has been banded the testicles must have dropped completely and the area must be healed before the fair. In the cases of cryptorchidism (undescended testes), etc. a note on official letterhead by a veterinarian must be provided to the superintendent and Extension Staff in order to show.
- D. ELIGIBILITY, CONTROL AND REMOVAL OF ANIMALS**
1. Unruly or questionable animals may be declared ineligible to show and dismissed from the premises by appropriate authority. An animal that becomes wild and uncontrollable or sick during the show may be declared ineligible and dismissed by the appropriate authority.
- B. ANIMAL TESTING AND EXAMINATION**
1. Any animal entered in 4-H classes is subject to any type of testing at the discretion of either the superintendent or official show veterinarian.
 2. If the results of testing indicate the possible use of compounds or drugs not approved for use in that species by FDA or compounds or drugs used outside the specified withdrawal requirements of FDA, these animals will be declared ineligible for competition and awards.
 3. An animal that is tampered with to change appearance or weight may be declared ineligible by the superintendent.
- C. QUALITY ASSURANCE TRAINING**
1.  **All exhibitors in beef (breeding, bucket, feeder calf, and market), dairy cattle, goats (dairy, meat, pygmy), sheep (breeding, market), swine, poultry and rabbits must have received Quality Assurance training prior to the June 15 pre-entry deadline date.**
- D. FAMILY LIVESTOCK PROJECTS**
1.  **At weigh-in on entry day, each 4-H member of a family holding their animals in joint ownership must designate who is going to show each animal.**
- E. SUBSTITUTE SHOWMAN**
1. An animal must be shown before the judge by the 4-H member who entered it unless the exhibitor is excused by the division superintendent because of serious illness, disability due to an injury (e.g., broken arm or leg) or conflict with other livestock classes in a 4-H show.
 2. An exhibitor who has more than one animal in a class needs to secure a substitute showman who is eligible to exhibit livestock to show the additional animal(s) in the class.
 3. Substitute showman must be a 4-H member who can assist with showing a specific animal species. The substitute does not have to be enrolled in that specific project but should be knowledgeable of it. The substitute is required to check in with the show superintendent and adhere to all dress code and other showmanship rules.
- F. ANIMAL SUBSTITUTIONS**
1. Within the same class or division, substituting a different animal for a pre-entered AND identified animal is allowed at/during check in. Substitutions between divisions, except within Breeding Beef, Dairy and Goats are not allowed (i.e., a market lamb cannot be substituted for a breeding sheep entry.) For Breeding Beef, Dairy and Goats, where each breed is listed as a separate division, substitutions between divisions is allowed (i.e., an Angus heifer can substitute for a Charolais heifer).
- G. GROOMING OF LIVESTOCK**
1. Caring for and grooming the animals is primarily the responsibility of the 4-H member; however, immediate family members, 4-H club leaders and other 4-H members can help. Professional help will not be allowed. The 4-H member must be present for all grooming unless he or she is in the show ring.
 2.  **Swine must be shown without hairdressing compounds.** This includes oil, powder or any other coat dressing compound considered objectionable by the packer. Only unadulterated water is permitted.
 3. Exhibitors shall not add materials, natural or synthetic, which extend body shapes beyond normal limits.
 4. Upon violation of above rules, the exhibitor's animal involved may be lowered one or two ribbon placing(s) or may be disqualified from the show.
- H. HAY, GRAIN, OR BEDDING**
1. Feed must be furnished by exhibitors at their own expense. Bedding is provided by the Ag Society. All stalls must use approved bedding.
- I.  DRESS CODE**
1. Livestock exhibitors are required to wear a white 4-H T-shirt (purchased from Extension Office) and dark blue jeans. Dairy cattle and dairy goat exhibitors may wear jeans or white pants.
 2. Horse exhibitors are required to wear a long sleeve white blouse with a 4-H armband for horse events.
 3. Shoes or boots providing adequate protection and comfort for the exhibitor are preferred. Hard soled shoes or boots are required in the beef division.
 4. No hats, caps or other types of headgear are to be worn in the show ring, with the exception of horse exhibitors.
 5. Exhibitors must where their exhibitor numbers when in the ring.

J.  **BORN & RAISED CLASS**

1. A class for market animals where the animals must have been born, raised, and fed with-in the operation of a 4-H'ers immediate family (family, grandparent, sibling, uncle, or aunt) in Johnson County or in the county which the 4-H'er lives. This class will be shown at the beginning of the market classes and top purples will return for Champion/Reserve Champ Born & Raised and be able to come back for Supreme Market Champion. The animals must be ID' d by deadline day to only ONE 4-H youth for the Born & Raised class, in addition this entry will not count against max number of entries.

K. **AWARDS STRUCTURE**

1. To be eligible to compete for Champion or Reserve Champion the animal must be awarded a first or second purple ribbon in the class. To be eligible to compete for Grand Champion or Grand Reserve Champion the animal must be awarded a Champion or Reserve Champion award.

L. **LIVESTOCK PREMIUM SALE**

1. The 4-H Livestock Premium Sale is a promotional activity for the Johnson County 4-H Program. One of the goals of the sale is for 4-H member to show the county his/her achievements in the livestock project. This premium sale is for market livestock only. Exhibitors will sell their animals for a premium only, meaning 4-H'ers will retain ownership of the animal in addition to receiving the winning bids premium.
2. Rules
 - a. All market animals to be in the sale must be signed up for the sale by the Saturday of fair at 5 pm on the sheet outside the show office.
 - b. 4-H'ers may only sign up an animal which they showed during the fair, not just an animal which they ID' d.
 - c. Youth must be present at the sale, or their animal will not be shown. All 4-H members must wear official 4-H shirts when taking their animals through the 4-H premium sale.
 - d. Each exhibitor is allowed to sell two (2) market animals. Livestock shown as a pen of three count as "one market animal" as they are shown as one single entry.
 - e. Sale weight will be the weigh-in weights. No re-weighs allowed.
 - f. To qualify for the sale, animals must be entered into the market class and meet the weight requirements:

PREMIUM SALE WEIGHT REQUIREMENTS

SPECIES		MINIMUM	MAXIMUM
Beef	British Breed, Crossbred & Other Breeds (Steers & Heifers)	950 lbs.	None
	Miniature/Heritage Breeds & Bucket Calf +1 (Steers & Heifers)	600 lbs.	None
Dairy	Dairy Steers	850 lbs.	None
Goat	Market Meat Goat	50 lbs.	None
Poultry	Market Broiler Pen of 3 & Individual	3.75 lbs. average for pen	None
Rabbit	Fryer	3 lbs.	5 lbs.
	Roaster	8 lbs.	None
Sheep	Market Sheep	80 lbs.	None
Swine	Market Swine	200 lbs.	320 lbs.

- g. Following the sale, youth are expected to thank their buyer in person and send them a thank you letter.

M. **DAILY AND AT CLOSE OF FAIR CLEAN UP**

1. Exhibitors failing to clean their stalls, alleys and assigned area each day of the fair and at the close of the fair will forfeit all their premium money.

N. **AUTHORITY**

1. Each division superintendent with the approval of the Overall Livestock Superintendent shall have the authority to make all decisions within their respective area of responsibility in accordance with rules and regulations set forth in this Fair Book. Livestock superintendents have the authority to dictate where blocking chutes, generators, etc. are to be located.

O. **STATE FIRE MARSHAL**

1. The use of flammable and combustible grooming sprays inside the barns is strictly forbidden. These types of materials must be used outside the building only.

P. **ETHICS**

1. Johnson County follows the IAFE National Code of Show Ring Ethics.

SHOWMANSHIP RULES

A. ENTRY REQUIREMENTS

- All 4-H members, who are exhibiting dairy, goat, beef, sheep, swine, horse, dog, cat, rabbit, and poultry division are automatically considered as participants in the Showmanship Contest. 🐾

B. ELIGIBILITY

- All exhibitors must show their own animals to be considered as participants in the Showmanship Contest. The same animal may not be used by more than one member of the same family.

C. BASIS FOR JUDGING

- Showmanship judging is based on preparation of animals for show, their apparent training and the appearance and behavior of the showman. Minor technical points are not to be over-emphasized, nor do minor infractions disqualify. Primarily in showmanship it is the skill of the showman in presenting the animal before the judge that counts, while individual excellence of the animal does not.

D. GUIDE BOOKS – Showmanship resource books are available at the Extension Office.

- Livestock –Guide for Evaluating Livestock Showmanship Contests (4-H 357)
- Horse –Nebraska 4-H Horse Show and Judging Guide (4-H 373)
- Dairy – Uniform Scorecard for Judging Junior Dairy Fitting & Showmanship Contest (4-H 466)
- Poultry – National Poultry Judging (4-H 460)
- Rabbit – Judging Rabbits and also in the Level 2 Rabbit manual (4-H 257)

E. DISQUALIFICATION

- The division superintendents may disqualify any 4-H'er from showmanship for any violations of rules or unsportsmanlike conduct of the County Fair.

HERDSMANSHIP

A. HERDSMANSHIP RESPONSIBILITY

- Herdsmanship duties are the responsibility of the 4-H members, not leaders and parents.
- It is the 4-H member's responsibility to assist his or her club with feeding and general care of animals, cleaning pens and walkways and presenting their 4-H exhibit to the public. The 4-H members shall show proper courtesy and conduct at all times. All poultry and rabbits require food and water at all times. The 4-H member or a member of his/her club is responsible for their care. If this rule is neglected, the superintendent has the right to release the 4-H member's exhibit.

B. JUDGING

- Herdsmanship begins at the time a division of livestock is to be in place and ends when the exhibits are released at the close of the fair.
- Livestock exhibits may be judged for herdsmanship at any time between 8:00 a.m. and 8:00 p.m.
- Each livestock division: beef, sheep, dairy, goats, swine, horse, rabbit, and poultry will be judged separately. Awards will be given to each livestock division.
- Rating for herdsmanship judging will be posted. Ratings will be made on club basis in the division stated above.

C. ANIMALS

- All animals should be in their stalls or pens between 8:00 a.m. 8:00 p.m. except for weighing, washing, showing and designated exercise periods. All pens and stalls should be clearly identified with club and exhibitor's name.
- All stalls and pens should be thoroughly cleaned before 8:00 a.m. Manure and wet bedding should be collected on the need basis throughout the day.
- The superintendent of each area reserves the right to release 4-H exhibits that are not properly cared for or have not followed herdsmanship rules.

D. CLUB SIGNS

- Uniform club signs will be permitted. No other signs will be permitted in the barns. No displays will be allowed unless permission is granted from the Extension Office.

E. BASIS OF RATING HERDSMANSHIP – Herdsmanship judges will use the following scoring guide in judging club exhibits for herdsmanship.

Animals: clean at all times, with proper grooming, feeding, bedding and care apparent.	15
Stalls: clean and neat; bedding clean and fresh; feed and feed pans and buckets clean and in place. Exhibitor's signs identifying stalls and tack area clearly in place.	25
Tack and Feed area: kept clean and neatly arranged. Grooming and tie out areas kept clean.	10
Alleys: exhibitors designated alleys and commons areas kept clean; free of equipment; loose dirt and dust kept under control with proper sweeping and/or sprinkling. Wheelbarrows kept outside.	25
Exhibitors: proper courtesy and conduct always shown by exhibitors and in all places including with the public and other exhibitors. Exhibitors are expected to do the herdsmanship.	25
Total	100




GENERAL STATIC RULES AND REGULATIONS



A. EXHIBITS

1. Static exhibits are non-livestock projects.
2. 4-H projects exhibits are based off of support curriculum. Classes are created based off of activities completed or skills learned in curriculum manuals.
3. It is recommended that youth identify the class their exhibit will fit into BEFORE starting on the project. Items which do not fit into a class will NOT be allowed to be entered.
4. Entries are allowed in only one unit/level of competition. Those enrolled in a Middle or Advanced unit may not exhibit in a less advanced unit.

B. ENTRY REQUIREMENTS

1. These items do not need to be pre-entered prior to the County Fair. Exhibits will be entered at static check in.  **Each youth will need to complete his/her entry tag(s) prior to coming to the County Fair entry day.** Tags are available at the Extension Office.
2. Entries made by special needs individuals may have a note attached, written by the parent or leader explaining the child's disability for the judge's information and consideration. Any entry involving special needs individuals should be adapted to their special circumstances by the Extension Staff and/or the superintendent.
1. Exhibits may require supporting information in order for the judge to know how the exhibit was completed. Check the appropriate area in the Fair Book to see if that applies to your exhibit.  **Entries which do not include required information or formatting requirements will be lowered one ribbon placing.**
3. It is recommended to include an explanation of your project, or the techniques involved in the form of a project write up.  **See Appendix F for "Project Write Up" template.**




ANIMAL SCIENCE



DEPARTMENT: ANIMAL SCIENCE
 AREA: BUCKET CALF



AREA RULES – BUCKET CALF

1. An exhibitor may show only ONE bucket calf. Calves shall be born between January 1 and June 1 of the current year.
 2. A bucket calf is a beef or dairy animal which was fed from bottle or bucket until weaned.
- B. Dairy and/or beef quality of the calf will not be considered.
1. A) Evaluation of the completed record book, B) Evaluation of the member's knowledge of project, C) Quality and condition of the animal, D) Evidence of training and showing  **Youth must complete a Bucket Calf Record Books and turn it in to the Livestock Office during check in.** Youth who do not turning a record book at check in, will not be allowed to show.
 2. Calves shown in the bucket calf class will not be allowed to show in any other classes during the current year's fair (this includes beef showmanship).



AWARDS

- Champion Bucket Calf (per age division)

DEPARTMENT G – DIVISION 49 – BUCKET CALF SHOW

	Division	Class	Pay	Purple	Blue	Red	White
	49	910-930		\$6.00	\$5.00	\$4.00	\$3.00
	49	940-960		\$4.00	\$3.00	\$2.00	\$1.00
C) 910	Senior Division – 14 years and older						
C) 920	Intermediate Division – 11 to 13 years						
C) 930	Junior Division – 8 to 10 years						
C) 940	Senior Record Book – 14 years and older						
C) 950	Intermediate Record Book – 11 to 13 years						
C) 960	Junior Record Book – 8 to 10 years						



AREA RULES – BEEF

1. Entry Limits
 - a. 4 Market Beef Animals
 - b. 4 Breeding Beef (Cow-calf entry counts as one event in the breeding beef classes)
 - c. 2 Feeder Calves (the calf from a cow-calf entry only counts as a separate entry if entered in the feeder class)
2. For the safety of 4-H members, horns will not be permitted; scurs that protrude from the head must be loose and not come to a point.
3. Market Classes will be determined by weight. Classes with less than five entries may be combined into groups of at least 5 head at the discretion of the beef superintendent.
 - a. Each Breed of Heifer will show separately. Any breed having less than five head checked in may be allowed only one class for all heifers at the discretion of the beef superintendent



AWARDS

- Champion Showman (per age division)
- Grand Champion Breeding Heifer
 - Champion from each Breed Division
- Champion Feeder Calf – Heifer & Champion Feeder Calf – Steer
- Grand Champion Market Beef
 - Champion Market Heifer, Champion Market Steer, Champion Born & Raised Market Heifer, Champion Born & Raised Market Heifer
- Champion Rate of Gain – Heifer & Champion Rate of Gain – Steer



DEPARTMENT: ANIMAL SCIENCE
AREA: BEEF

DEPARTMENT G – DIVISION 10 – BEEF SHOWMANSHIP

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	10	All Classes		\$4.00	\$3.00	\$2.00	\$1.00
SF) 910	Senior Division – 14 years and older						
SF) 920	Intermediate Division – 11 to 13 years						
C) 930	Junior Division – 8 to 10 years						



DIVISION RULES – BREEDING BEEF

1. An Breeding heifers will be shown youngest to oldest and in alphabetical order starting with Black Angus
2. Unweaned calves may be brought to the fairgrounds and taken home on the day of the show if not accompanied by the dam.

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

DEPARTMENT G – DIVISION 12-29 BREEDING BEEF

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	12-29	All Classes		\$8.00	\$6.00	\$4.00	\$2.00
C) 910	Senior Yearling Heifer – July – December, 2 years ago						
C) 10	Junior Yearling Heifer – January- February, last year						
C) 20	Spring Yearling Heifer – March- April, last year						
C) 30	Summer Yearling Heifer – May-June, last year						
C) 40	Fall Heifer Calves – July- August, last year						
C) 50	Fall Heifer Calves – September – October, last year						
C) 60	Fall Heifer Calves – November - December, last year						
C) 920	Cow-Calf						
C) 930	Aged Cow – Born on or before July 1, 2 years ago						

DEPARTMENT G – DIVISION 30 – FEEDER CALVES



DIVISION RULES – FEEDER CALVES

1. Any beef calf born between January 1 and June 1 of the current year.
2. Unweaned calves may be brought to the fairgrounds and taken home on the day of the show if not accompanied by the dam.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	30	All Classes		\$5.00	\$4.00	\$3.00	\$2.00
C) 901	Feeder Calf – Heifer						
C) 902	Feeder Calf – Steer						

DEPARTMENT G – DIVISION 11 – MARKET BEEF



DIVISION RULES – MARKET BEEF

1. Steers and heifers born on/after September 1, 2021, are eligible to show in this class.
2. If participating in Rate of Gain Market Beef must be weighed in at Beef Weigh In Day.
3. Animals receiving first and second purple places from each class will compete for Champion and Reserve Champion of the division.
4. A Market Beef Grand Champion and Reserve Grand Champion will be selected from the division champions.
5. Class breaks will be determined by weight. Classes with less than five entries may be combined.
6. Club Group of Three Market Beef
 - a. Group of three market heifers and/or steers with ownership by more than one exhibitor

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	11	All Classes		\$8.00	\$6.00	\$4.00	\$2.00
C) 901		Born & Raised Market Beef – Steers					
C) 902		Born & Raised Market Beef – Heifers					
C) 910		Market Heifers – British Breeds					
C) 920		Market Heifers- Crossbreds					
C) 930		Market Heifers – Miniature/Heritage Breeds					
C) 940		Market Steers- Angus					
C) 950		Market Steers- Shorthorn					
C) 960		Market Steers- Hereford					
C) 970		Market Steers– Crossbreds					
C) 980		Market Steers- Miniature/Heritage Breeds					
C) 990		Bucket Calf Plus One					
C) 903		Club Group of Market Beef					

DEPARTMENT G – DIVISION 28 – BEEF RATE OF GAIN



DIVISION RULES – BEEF RATE OF GAIN

1. All market beef animals entered at the fair will be automatically entered.
2. The average daily gain will be determined using the county fair weight minus weigh in weight divided by the number of days between those two dates.
3. The rate of gain will be printed in the beef show program and awarded during the beef show.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>	<i>5th</i>
	11	All Classes		\$35.00	\$30.00	\$25.00	\$20.00	\$15.00
C) 905		Beef Rate of Gain – Steers						
C) 906		Beef Rate of Gain – Heifers						



DEPARTMENT: ANIMAL SCIENCE
AREA: DAIRY CATTLE



AREA RULES – DAIRY CATTLE

1. There is no limit on the number of dairy cattle an exhibitor may show.
2. Dairy cows in production may leave immediately after the dairy show.
3. Dairy steers have the option of competing in the beef rate of gain if they bring their steers to weigh in.
4. Premium Sale minimum weight for Dairy Steers to be eligible is 850 lbs.



AWARDS

- Champion Showman (per age division)
- Champion and Reserve Champion will be selected from all Dairy Breed Heifer and Cow Classes

DEPARTMENT G – DIVISION 40 – DAIRY SHOWMANSHIP

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	40	All Classes		\$4.00	\$3.00	\$2.00	\$1.00
SF) 910	Senior Division – 14 years and older						
SF) 920	Intermediate Division – 11 to 13 years						
C) 930	Junior Division – 8 to 10 years						

DEPARTMENT G – DIVISION DAIRY CATTLE (41-48)

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
41-48	All Classes		\$4.00	\$3.00	\$2.00	\$1.00

DEPARTMENT G

DIVISIONS 41-48

DAIRY CATTLE

DIVISION 41	Ayrshire	DIVISION 45	Jersey
DIVISION 42	Brown Swiss	DIVISION 46	Milking Shorthorn
DIVISION 43	Guernsey	DIVISION 47	Crossbred Dairy
DIVISION 44	Holstein	DIVISION 48	Other Dairy

- C) 910 **Spring Heifer Calves** – March-April, this year
- C) 915 **Winter Heifer Calves** – December, last year- February, this year
- C) 920 **Fall Heifer Calves**– September – November, last year
- C) 925 **Summer Yearlings** – June-August, last year
- C) 930 **Spring Yearlings** – March – May, last year
- C) 935 **Winter Yearlings** – December, 2 years ago-February last year
- C) 940 **Fall Yearlings** – September, 2 years ago- November, 2 years ago
- C) 945 **Dry Cow/Any Age**
- C) 950 **Two Year Olds** – September, 3 years ago – August, 2 years ago
- C) 955 **Three Year Olds**– September, 4 years ago – August, 3 years ago
- C) 960 **Four Year Olds** – September, 5 years ago – August, 4 years ago
- C) 965 **Five Year Olds** – Prior to September, 5 years ago
- C) 970 **Dairy Steers** – (Born after January 1st of the preceding, year)



DEPARTMENT: ANIMAL SCIENCE
AREA: DAIRY, PYGMY, & MEAT GOATS

»» AREA RULES – DAIRY & MEAT GOATS

1. An exhibitor is limited to exhibit 4 dairy goats, 4 meat goats 4 breeding and 4 pet goats.
2. All Goats must be ear tagged with an official USDA Approved Scrapies Tag



AWARDS

- Champion Dairy Goat Showman (per age division)
- Champion Dairy Goat
- Champion Meat Goat Showman (per age division)
- Champion Breeding Meat Goat
- Grand Champion Market Meat Goat
 - Champion Born & Raised Market Meat Goat, Champion Market Meat Goat
- Champion Rate of Gain

DEPARTMENT G – DIVISION 53 – DAIRY GOAT SHOWMANSHIP

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	53	All Classes		\$4.00	\$3.00	\$2.00	\$1.00
C) 910	Senior Division – 14 years and older						
C) 920	Intermediate Division – 11 to 13 years						
C) 930	Junior Division – 8 to 10 years						

DEPARTMENT G – DIVISION 51 – DAIRY GOAT [Age as of show date]



DIVISION RULES – DAIRY GOAT

1. The following goat breeds are recognized as dairy goats: Alpine, LaMancha, Nigerian Dwarf, Nubian, Oberhasli, Saanens, and Toggenburg.
2. Registered and commercial animals will be shown together.
3. Any class having less than five head checked in may be allowed only one class at the discretion of the superintendent.
4. Champion and Reserve Champion Dairy Goat will be selected from classes 910 – 985.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	51	All Classes		\$6.00	\$4.00	\$2.00	\$1.00
C) 910	Junior Doe – Under 5 months						
C) 920	Senior Doe – 5 months to 8 months						
C) 930	Junior Yearling – 8 months to 1 year						
C) 940	Senior Yearling – 1 to 2 years (Non-milking Doe)						
C) 950	Yearling Milker – Under 2 years (Milking Doe)						
C) 960	Junior Milker – 2 and 3 years (Milking Doe)						
C) 970	Senior Milker – 4 years and older (Milking Doe)						
C) 985	Mother/Daughter						

DEPARTMENT G – DIVISION 52 – PET GOATS



DIVISION RULES – PYGMY GOAT

1. A pygmy goat is not recognized as a meat goat or a dairy goat. They are more of a companion type of animal.
2. Does and wethers will be shown together.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	52	All Classes		\$6.00	\$5.00	\$4.00	\$3.00
C) 901	Pet Goat – Under 12 months of age						
C) 902	Pet Goat- Over 12 months of age						

DEPARTMENT G – DIVISION 53 – MEAT GOAT SHOWMANSHIP

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	53	All Classes		\$4.00	\$3.00	\$2.00	\$1.00
C) 910	Senior Division – 14 years and over						
C) 920	Intermediate Division – 11 to 13 years						
C) 930	Junior Division – 8 to 10 years						

DEPARTMENT G – DIVISION 59 – BREEDING MEAT GOATS [Age as of show date]

»» DIVISION RULES – BREEDING MEAT GOATS

1. Only does may be shown, no bucks.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	59	All Classes		\$6.00	\$5.00	\$4.00	\$3.00
C) 910	Doe Kids – Born March-May, this year						
C) 920	Doe Kids – Born January-February, this year						
C) 930	Doe Kids – Born Fall of last year						
C) 940	Yearling Doe – Born March-May, last year						
C) 950	Yearling Doe – Born January-February, last year						
C) 960	Yearling Doe – Born Fall two years ago						
C) 970	Aged Doe – 2 Years old & older						

DEPARTMENT G – DIVISION 58 – MARKET MEAT GOATS

»» DIVISION RULES – MARKET MEAT GOATS

1. All market goats must be born after January 1 of the current year.
2. All market goats need to attend the June weigh in to be entered for rate of gain.
3. Feeder Goat class are not eligible to compete for Champion Meat Goat.
4. The following goat breeds are recognized as meat goats: Boer, Brush, Kiko, Myotonic, and Spanish.
5. Market class breaks will be determined by weight. Does and wethers will be shown together.
6. Pen of Three Market Goats- Group of 3 market goats with ownership by one individual or one family unit, all animals must have been identified on a single affidavit under all eligible 4-H member's names. The premium for this class will be split among exhibitors with goats in the pen of three.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	58	All Classes		\$6.00	\$5.00	\$4.00	\$3.00
C) 910	Feeder Goat – Under 49 lbs.						
C) 920	Born & Raised Market Goat – Over 50 lbs.						
C) 930	Market Goat – Over 50 lbs.						
C) 940	Market Goat Pen of Three						

DEPARTMENT G – DIVISION 60 – GOAT RATE OF GAIN

»» DIVISION RULES – GOAT RATE OF GAIN

1. The average daily gain will be determined using the county fair weight minus weigh in weight divided by the number of days between those two dates.
2. The rate of gain will be printed in the goat show program and awarded during the goat show.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	60	All Classes		\$8.00	\$6.00	\$4.00	\$2.00
C) 001	Goat Rate of Gain						



DEPARTMENT: ANIMAL SCIENCE

AREA: SHEEP



AREA RULES – SHEEP

1. An exhibitor may show a maximum of 6 market sheep and 6 breeding sheep. Showmanship and pen of three classes do not count as an entry.
2. All sheep must be slick shorn within 10 days of the show.
3. All Goats must be ear tagged with an official USDA Approved Scrapies Tag



AWARDS

- Champion Showman (per age division)
- Grand Champion Breeding Ewe
 - Animals receiving first and second purple places from each class
- Grand Champion Market Lamb
 - Champion Born & Raised Market Lamb and Champion Market Lamb
- Champion Rate of Gain, Champion Pen of Three

DEPARTMENT G – DIVISION 103 – SHEEP SHOWMANSHIP



DIVISION RULES – SHEEP SHOWMANSHIP

1. The use of showing and/or handling practices that may be considered objectionable or abusive, such as striking or slapping lambs and exhibiting the lamb with its feet off the ground, are not acceptable.
2. Exhibitors displaying such practices may be given one warning. A second offence may result in the lowering of a ribbon placing or forfeit of class premiums.

Division	Class	Pay	Purple	Blue	Red	White
130	All Classes	5	\$8.00	\$6.00	\$4.00	\$2.00

- SF) 910 **Senior Division** – 14 years and older
 SF) 920 **Intermediate Division** – 11 to 13 years
 C) 930 **Junior Division** – 8 to 10 years

DEPARTMENT G – DIVISION 32 – BREEDING EWES



DIVISION RULES – BREEDING EWES

1. Ewes born January 1 or after of the current year are classed as lambs. Ewes born during the preceding year are classed as yearlings.
2. Grade and commercial animals will be shown together. Each registered breed will show separately.
3. Any breed having less than five head checked in may be allowed only one class at the discretion of the superintendent. Animals will enter the ring at the same time in order of age.
4. Breeding Sheep will be shown in alphabetical order by breed from youngest to oldest.

Division	Class	Pay	Purple	Blue	Red	White
32	All Classes		\$6.00	\$5.00	\$4.00	\$3.00

- SF) 910 **Lamb Ewe** – Born March – May, this year
 SF) 920 **Lamb Ewe** – Born January – February, this year
 SF) 930 **Lamb Ewe** – Born Fall of last year
 SF) 940 **Yearling Ewe** – Born March – May, last year
 SF) 950 **Yearling Ewe** – Born January – February, last year
 C) 960 **Yearling Ewe** – Born Fall 2 years ago
 C) 970 **Aged Ewe** – 2 years & older

DEPARTMENT G – DIVISION 31 – MARKET LAMBS



DIVISION RULES – MARKET LAMBS

1. All market lambs must be born after January 1 of the current year.
2. All market lambs need to attend the June weigh in to be entered for Rate of Gain
3. Feeder lambs are not eligible to show for champion market lamb.
4. Short scrotum, cryptorchid or ram lambs are not eligible as market lambs.
5. Market lamb classes will be divided into division if there are more than 30 market lambs pre-entered.
6. Pen of Three Market Lambs- Group of 3 market lambs with ownership by one individual or one family unit, all animals must have been identified on a single affidavit under all eligible 4-H member's names. The premium for this class will be split among exhibitors with lambs in the pen of three.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
31	All Classes		\$6.00	\$5.00	\$4.00	\$3.00

- SF) 910 **Feeder Lambs** – All Breeds, 79 lbs or less
- C) 920 **Born & Raised Market Lambs** – All Breeds, 80 lbs or more
- SF) 930 **Market Lambs** – All Breeds, 80 lbs or more
- C) 940 **Pen of 3 Market Lambs**

DEPARTMENT G – DIVISION 138 – SHEEP RATE OF GAIN



DIVISION RULES – SHEEP RATE OF GAIN

1. The average daily gain will be determined using the county fair weight minus weigh in weight divided by the number of days between those two dates.
2. The rate of gain will be printed in the sheep show program and awarded during the sheep show.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
38	All Classes		\$8.00	\$6.00	\$4.00	\$2.00

- C) 001 **Sheep Rate of Gain**



AREA RULES – SWINE

1. An exhibitor may show 4 market swine and 2 breeding swine. Showmanship and Pen of Three Classes do not count as an entry.



AWARDS

- Champion Showman (per age division)
- Grand Champion Market Swine
 - Champion Born & Raised Market Swine, Champion Market Swine from each division
- Champion Pen of Three

DEPARTMENT G – DIVISION 35 – SWINE SHOWMANSHIP

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	35	All Classes		\$4.00	\$3.00	\$2.00	\$1.00
SF) 910	Senior Division – 14 years and older						
SF) 920	Intermediate Division – 11 to 13 years						
C) 930	Junior Division – 8 to 10 years						

DEPARTMENT G – DIVISION 36 – MARKET SWINE



DIVISION RULES – MARKET SWINE

1. All market swine, regardless of breed, will be classified for judging purposes on the basis of weight alone. Pigs under 200 pounds and over 320 pounds will be allowed to show, but will not be eligible to compete for division awards or the champion Market Swine.
2. Market swine classes will be divided by weight. Barrows and Gilts will be shown together. All breeds will be shown together.
3. Class breaks will be determined by weight. Market swine will be judged from lightest to heaviest.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	35	All Classes		\$6.00	\$5.00	\$4.00	\$3.00
SF) 950	Pre-Market Swine – 199 lbs. or less						
C) 960	Born & Raised Market Swine – 200 lbs. to 320 lbs.						
SF) 970	Market Swine – 200 lbs. or more to 320 lbs.						
C) 980	Heavyweight Swine- 321 lbs. or more						
C) 990	Market Swine Pen of Three						



DEPARTMENT: ANIMAL SCIENCE
 AREA: POULTRY



AREA RULES – POULTRY

1. A 4-H member may enter a total of 12 individual birds, 2 trios or production pen of three in each category with the exception of broilers 4 (1 pen of 3 and 1 individual).
2. 4-H members may identify a maximum of 24 birds. To be eligible for breed exhibition, entries must be fair representatives of one of the breeds listed in the American Standard of Perfection.



AWARDS

- Champion Showman (per age division)
- Grand Champion Poultry (Champion Large Fowl, Champion Bantam, Champion Trio)
- Grand Champion Waterfowl, Turkey & Gamebird (Champion Duck, Champion Goose, Champion Turkey, Champion Gamebird)
- Champion Individual Broiler, Champion Broiler Pen of Three

DEPARTMENT G – DIVISION 70 – POULTRY SHOWMANSHIP



DIVISION RULES – POULTRY SHOWMANSHIP

1. Participants may use any bird they choose, so long as it was raised and trained by the 4-H member. Judging showmanship is based on grooming and training of the bird and the appearance and behavior of the exhibitor.
2. The maximum length of showmanship presentations is 4 minutes. Exhibitors must vocally explain the steps in their presentation and the merit of the bird. The judge may ask questions of the exhibitor at the close of their presentation.

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	70	All Classes		\$4.00	\$3.00	\$2.00	\$1.00
C) 910	Senior Division – 14 years and older						
C) 920	Intermediate Division – 11 to 13 years of age						
C) 930	Junior Division – 8 to 10 years of age						

CATEGORY 1 – POULTRY

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
70	All Classes		\$3.00	\$2.50	\$2.00	\$1.50

DEPARTMENT G – DIVISION 70 – LARGE FOWL CLASSES [Age as of show date]

- SF) 901 **American** – Plymouth Rock, Jersey Giant Wyandotte, New Hampshire Red, Rhode Island Red
 SF) 902 **Asiatic** – Cochin, Brahas, Langshan
 SF) 903 **English** – Cornish, Orpington, Australorps, Sussex, Dorklings
 SF) 904 **Mediterranean** – Leghorn, Buttercup, Minorca
 SF) 905 **Continental** – Polish, Hamburg, Campines, Faverolles
 SF) 906 **All Other Breeds** – Houdan, Game, Sumatra, Araucanas, Ameracanas

DEPARTMENT G – DIVISION 70 – BANTAMS CLASSES [Age as of show date]

- SF) 907 **Gam Bantam** – Modern and Old English
 SF) 908 **Single Comb Clean Legged** – Plymouth Rock, Leghorn, Japanese, Rhode Island Red, Orpington, New Hampshire
 SF) 909 **Rose Comb Clean Legged** – Rosecomb, Wyandotte, Sebright, Leghorn
 SF) 910 **All Other Comb Clean Legged** – Polish, Cornish, Houdan
 SF) 911 **Feather Legged Class** – Silky, Cochin, Brahma, MilleFleur, Frizzle

DEPARTMENT G – DIVISION 70 – PRODCUTION PEN OF THREE & TRIO



DIVISION RULES – TRIO

1. A trio of exhibition birds consists of 1 male and 2 females. Birds in a trio may not be shown individually in other classes.
2. Production Pen of 3 consists of all females

		<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
		70	All Classes		\$3.00	\$2.50	\$2.00	\$1.50
C) 912	Trio – 1 male and 2 Females							
C) 913	Production Pen of 3- All Females							

CATEGORY 2 – WATERFOWL AND TURKEYS

DEPARTMENT G – DIVISION 70 – DUCK CLASSES [Age as of show date]

- SF) 914 **Heavy** – Pekin, Rouen, Muskovy
- SF) 915 **Medium** – Swedish, Buff, Crested, Cayuga
- SF) 916 **Light** – Runner, Khaki, Campbell
- SF) 917 **Bantam** – Call, Mallard, East India

DEPARTMENT G – DIVISION 70 – GOOSE & TURKEY [Age as of show date]

- SF) 918 **Goose** – All Weights
- SF) 919 **Turkey** – All Weights

DEPARTMENT G – DIVISION 70 – GAME BIRDS, ETC.

		<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
		70	All Classes		\$3.00	\$2.50	\$2.00	\$1.50
C) 920	Quail- Japanese or coturnix quail							

CATEGORY 3 – BROILERS

DEPARTMENT G – DIVISION 78 – BROILERS



DIVISION RULES – BROILERS

1. **Each 4-H exhibitor MUST participate in poultry showmanship, be present at the exhibit area during broiler judging, AND complete a broiler record book.** Record books will be turned in to the Livestock Office during check in.
2. A pen of broilers shall consist of three males or three female birds 6-9 weeks of age.

		<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
		70	All Classes		\$3.00	\$2.50	\$2.00	\$1.00
SF) 910	Broiler – Individual							
SF) 920	Broiler – Pen of 3							
C) 930	Broiler – Record Book							



DEPARTMENT: ANIMAL SCIENCE
AREA: RABBIT



AREA RULES – RABBIT

1. 4-H members may enter 8 classes of rabbits.
2. 4-H members may identify a maximum of 20 rabbits. To be eligible for breed exhibition, entries must be fair representatives of one of the breeds listed in the American Standard of Perfection.
3. All rabbits** must have permanent identification numbers or names tattooed in their ear by June 15. ** Fryers and pets must be marked with a permanent marker in their ear by the County Fair.



AWARDS

- Champion Showman (per age division)
- Grand Champion Rabbit
 - Champion Fancy Breed Rabbit, Champion Commercial Breed Rabbit, Champion Pet Rabbit, Champion Market Rabbit

DEPARTMENT G – DIVISION 80 – RABBIT SHOWMANSHIP



DIVISION RULES – RABBIT SHOWMANSHIP

1. Participants may use any rabbit they choose, so long as it was raised and trained by the 4-H member. Judging showmanship is based on grooming and training of the rabbit and the appearance and behavior of the exhibitor.
2. The maximum length of showmanship presentations is four minutes. Exhibitors must vocally explain the steps in their presentation and the merit of the rabbit. The judge may ask questions of the exhibitor at the close of the presentation.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
80	All Classes		\$4.00	\$3.00	\$2.00	\$1.00

- SF) 910** **Senior Division** (SF291) – 14 and over
SF) 920 **Intermediate Division** (SF291) – 11 to 13 years
SF) 930 **Junior Division** (SF291) – 8 to 10 years

DEPARTMENT G – DIVISION 181 – FANCY BREED [Age as of show date]

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
80	All Classes		\$3.00	\$2.50	\$2.00	\$1.50

- SF) 910** **Junior Doe** – Under 6 Months
SF) 920 **Senior Doe** – 6 Months and Older
SF) 930 **Junior Buck** – Under 6 Months
SF) 940 **Senior Buck** – 6 Months and Older

FANCY BREED LIST – Purebred rabbits only.

American Fuzzy Lop	Florida White	Lionhead	Satin Angora
American Sable	French Angora	Mini Lop	Silver
Belgian Hare	Harlequin	Mini Rex	Silver Marten
Britannia Petite	Havana	Mini Satin	Standard Chinchilla
Dutch	Himalayan	Netherland Dwarf	Tan
Dwarf Hotot	Holland Lop	Polish	Thrianta
English Angora	Jersey Woolie	Rex	
English Spot	Lilac	Rhineland	

DEPARTMENT G – DIVISION 182 – COMMERCIAL BREED [Age as of show date]

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	80	All Classes		\$3.00	\$2.50	\$2.00	\$1.50
SF) 910	Junior Doe – Under 6 Months						
SF) 920	Intermediate Doe – 6, 7 & 8 Months						
SF) 930	Senior Doe – Over 8 Months						
SF) 940	Junior Buck – Under 6 Months						
SF) 950	Intermediate Buck – 6, 7 & 8 Months						
SF) 960	Senior Buck – Over 8 Months						

COMMERCIAL BREED LIST – Any of the meat breeds or a cross from list below.


American	Champagne D`Argent	Flemish Giant	Palomino
American Chinchilla	Checkered Giant	French Lop	Satin
Beveren	Cinnamon	Giant Angora	Silver Fox
Blanc d Hotot	Crème D`Argent	Giant Chinchilla	
Californian	English Lop	New Zealand	

DEPARTMENT G – DIVISION 184 – MARKET RABBIT [Age as of show date]

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	80	All Classes		\$3.00	\$2.50	\$2.00	\$1.50
SF) 910	Single Fryer – Not over 10 weeks of age. Minimum weight of 3.5 pounds. Maximum weight of 5.5 pounds						
SF) 920	Meat Pen of Three – Age limit 10 weeks. Minimum weight 3.5 pounds each. Maximum weight 5.5 pounds each (exhibit a pen of 3 rabbits) (same breed and variety)						
SF) 930	Roaster – Under 6 months of age. Minimum weight of 5.5 pounds. Maximum weight of 9 pounds.						



»» AREA RULES – HORSE

1. Youth may enter 6 horses TOTAL at the County Fair.
2. An exhibitor is limited to a TOTAL of 6 horses at the Johnson County Fair. Only one horse per class per contestant, except in halter classes. A single horse may not be entered or ridden in a class or event by more than one exhibitor; a family project horse may NOT be entered twice in the same event.
3. Foals born deadline day from project mares may be shown if identified on a 4-H Horse Identification Certificate within two weeks of birth.
4.  **All horse exhibitors must take and pass the Level 1 test by June 15.**
5. An equine professional is not liable for an injury to or the death of a participant in equine activities resulting from inherent risks of equine activities pursuant to sections 25-21, 249 to 25-21, 253 N.R.S.
6. Exercise times will be announced, upon approval of superintendent. Patterns for reining, showmanship, horsemanship, trail etc. will be posted by the superintendent or Extension Staff.
7. Nebraska 4-H Horse Show and Judging Guide (4-H 373) will be followed in conducting county level 4-H horse shows which some expectations. The same horse may be ridden in multiple pleasure classes by the same or different riders. Guide available upon request at the Extension Office.
 - a. The guide lists penalties for Speed Classes. Contestants who are disqualified will receive white ribbons. A two-second penalty will be assessed for each pole or barrel knocked down. Riders must dismount before leaving arena. Hats are not necessary; however, a 2-second penalty will be assessed for hats lost during the run.



AWARDS

- Champion Showman (per age division)
 - Champion Female Halter Horse, Champion Male Halter Horse, Champion Pony/Miniature/Donkey
 - Champion Walk Trot, Champion Snaffle Bit, Champion Western Pleasure Under 14 Hands Sr/Int/Jr, Champion Western Pleasure 14 Hands and Over Sr/Int/Jr, Champion Ranch Horse Pleasure Sr/Int/Jr
 - Champion Western Horsemanship Sr/Int/Jr, Champion Ranch Riding Sr/Int/Jr, Champion Trail Class Sr/Int/Jr,
 - Champion Barrel Racing Sr/Int/Jr, Champion Pole Bending Sr/Int/Jr, Champion Keyhole Racing Sr/Int/Jr, Champion Flag Racing Sr/Int/Jr, Champion Single Pole Racing Sr/Int/Jr
1. A Champion Horseman will be selected from the Senior Division (riders ages 14 and over as of December 31st) Intermediate Division (riders ages 11 to 13 as of December 31st) Junior Division (riders ages 8 to 11 as of December 31st). Points will be awarded to each horse and rider team (one horse/one rider). Points will be awarded as follows:
 - White ribbon = 1 point
 - Red ribbon = 2 points
 - Blue ribbon = 3 points
 - Purple ribbon = 4 points
 - Reserve Champion = 1 extra point
 - Champion = 2 extra points

DEPARTMENT G – DIVISION 260 – HORSE SHOWMANSHIP

Division	Class	Pay	Purple	Blue	Red	White
260	All Classes		\$4.00	\$3.00	\$2.00	\$1.00

- C) 910 **Senior Division** – 14 years and older
 C) 920 **Intermediate Division** – 11 to 13 years
 C) 930 **Junior Division** – 8 to 10 years

HALTER		Pay	Purple	Blue	Red	White
Division	Class					
261	All Classes		\$4.00	\$3.00	\$2.00	\$1.00

DEPARTMENT G – DIVISION 261 – HALTER

- C) 901 Weanlings- Filly
- C) 902 Yearlings- Filly
- C) 903 Two year olds- Mare
- C) 904 Three year olds- Mare
- C) 905 Four years and older – Mare
- C) 906 Weanlings – Colt
- C) 907 Yearling– Gelding
- C) 908 Two year olds – Gelding
- C) 909 Three year olds – Gelding
- C) 910 Four Years and over- Gelding
- C) 911 Pony – All types and ages
- C) 912 Miniatures – All types and ages
- C) 913 Donkeys – All types and ages

PLEASURE		Pay	Purple	Blue	Red	White
Division	Class					
263-266, 276	All Classes		\$4.00	\$3.00	\$2.00	\$1.00

(On The Rail)

DEPARTMENT G – DIVISION 263 – WALK TROT PLEASURE

Recommended for 4-H members with 2 years or less enrollment in the Horse project. Rider not eligible for any other pleasures class (264, 265, 266, 284, and 267).

- C) 901 Walk Trot

DEPARTMENT G – DIVISION 264 – SNAFFLE BIT WESTERN PLEASURE

Horse not eligible for any other pleasure class.

- C) 901 Snaffle Bit – Horse 4 years & under

DEPARTMENT G – DIVISION 265 – WESTERN PLEASURE UNDER 14 HANDS

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 266 – WESTERN PLEASURE 14 HANDS AND OVER

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 276 – RANCH HORSE PLEASURE

The same horse that is used in Western Pleasure should not be used in Ranch Pleasure

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

PERFORMANCE		Pay	Purple	Blue	Red	White
Division	Class					
268-275	All Classes		\$4.00	\$3.00	\$2.00	\$1.00

(Pattern Classes)

DEPARTMENT G – DIVISION 268 – WESTERN HORSEMANSHIP

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 269 – RANCH RIDING

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 275 – TRAIL HORSE

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

<i>SPEED CLASSES</i>		<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
<i>Division</i>	<i>Class</i>					
280-284	All Classes		\$4.00	\$3.00	\$2.00	\$1.00

DEPARTMENT G – DIVISION 280 – BARREL RACING

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 281 – POLE BENDING

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 282 – KEY HOLE RACE

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 283 – FLAG RACE

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years

DEPARTMENT G – DIVISION 284 – SINGLE POLE RACE

- C) 901 Senior – 14 years and older
- C) 901 Intermediate – 11 to 13 years
- C) 902 Junior – 8 to 10 years



DEPARTMENT: ANIMAL SCIENCE
AREA: EDUCATIONAL DISPLAY FOR ANIMAL ENTRIES



AREA RULES – EDUCATIONAL DISPLAY FOR ANIMAL ENTRIES

1. The poster could focus on a current livestock issue, animal industry career, animal care or health, economic impacts of the livestock industry, within the species of dairy, beef, sheep, swine, goat, poultry, and rabbit, companion animal, cat, and dog.
2. Poster display should be sturdy enough to last through the fair and no larger than 22 x 28 inches. Only standard poster board will be accepted. Foam Board or cardboard posters are discouraged.
3. All entries must match the species of livestock they have entered at EITHER the county fair OR in the Nebraska State Fair. For example, if a 4-H'er is exhibiting beef, their entry must be about beef and not another

DEPARTMENT G – DIVISION 90 – EDUCATIONAL DISPLAY FOR ANIMAL ENTRIES

Division	Class	Purple	Blue	Red	White
999	All Classes	\$2.50	\$2.00	\$1.50	\$1.00

SF) 100 Educational Display (SF119)



DEPARTMENT: ANIMAL SCIENCE
AREA: VETERINARY SCIENCE



CURRICULUM & RESOURCES

The Normal Animal	B	I	A
From Airedales to Zebras	B	I	
All Systems Go!	B	I	
On the Cutting Edge	B	I	
Animal Disease		I	A
Animal Health and Its Relationship to Our World			A



AREA RULES – VETERINARY SCIENCE

1. A Veterinary Science exhibit may consist of a poster, notebook or a display. The exhibit may represent material from any of the Veterinary Science projects including entry level exhibits from Unit I.
2. 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.
3. **First-Aid Kits:** Because of public safety concerns and risk of theft of first-aid kit contents (veterinary drugs/equipment) with perceived potential for drug abuse, **animal first aid kits containing any drugs or medications will be immediately disqualified and not displayed. First Aid kits wishing to include medication information should instead utilize written descriptions, photographs, drawings, computer generated printouts or empty packaging of pharmaceuticals.**
4. **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.
5. **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.

DEPARTMENT H – DIVISION 840 – VETERINARY SCIENCE

Division	Class	Purple	Blue	Red	White
840	All Classes	\$2.50	\$2.00	\$1.50	\$1.00

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

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



COMMUNICATIONS & EXPRESSIVE ARTS



DEPARTMENT: COMMUNICATIONS & EXPRESSIVE ARTS
AREA: PHOTOGRAGHY



CURRICULUM & RESOURCES

Focus on Photography-Level 1 **B**

Controlling the Image-Level 2 **I**

Mastering Photography-Level 3 **A**

AREA RULES – PHOTOGRAPHY

1. **Youth can ONLY enter up to 3 exhibits into ONE DIVISION. One entry per class**
 - a. Youth enrolled in photography projects should continue their skill development. Once they have exhibited in a higher level, they are not eligible to exhibit in a lower level. Ex. Once you exhibit in Unit 2: Controlling the Image, you are not eligible to exhibit in Unit 1: Focus on Photography.
2. **Each exhibit must have a “Personal Data Tag” and should be glued to the back of exhibits or be included as a page of your photo showcase/portfolio.** See Appendix G for “Personal Data Tag”.
3. **Photograph Guidelines**
 - a. An image cannot be used in more than one exhibit with the exception of the Portfolios which may include images entered as exhibit prints in other classes and may be taken with any type of film or digital camera, including phones, tablets, and drones with the exception of class 050 which requires a phone or tablet camera.
 - b. Photos must be shot during the current project year by the 4-H member with the exception of the Portfolios which may include images captured and/or exhibited in previous years.
 - c. Securely attach photos to correct surface. Photos that are unattached with be disqualified.
 - d. Do not use photo corners, borders, or place coverings over the exhibits.
4. **Photography Glossary**
 - a. **Picture Display**
 - i. Three 4x6 photos mounted on a single horizontal 11" X 14" black or white poster or mat board. Photos may be mounted vertically or horizontally.
 - ii. Every photo on picture display must be pencil numbered below. Numbers should be readable but not detract from display.
 - iii. No titles, captions, or stick-on numbers will be allowed.
 - b. **Exhibit Print**
 - i. All exhibit prints are 8" x 10" prints mounted horizontally or vertically on 11" x 14" black mat board.
 - ii. No titles, captions, or stick-on numbers will be allowed.
 - iii. Manual adjustments are strongly encouraged for Level 3 Exhibits.

Current data tags and help sheets are available at <https://go.unl.edu/ne4h-photography>

Photography exhibitors have the option to participate in photography interview judging. They will pick one exhibit to share with the judge what they did and learned. Sign up for a time during static check-in.

DEPARMENT B – DIVISION 180 – UNIT 1: FOCUS ON PHOTOGRAPHY

Division	Class	Purple	Blue	Red	White
180	All Classes	\$2.50	\$2.00	\$1.50	\$1.00


- C) 901** **Picture Display** (SF87) – Entry will consist of 3 pictures. The 4-H member will exhibit 1 picture from 3 different categories. Categories to be selected from include: animal, building, people, landscape, special effects, still-life, sports, or close-up.
- C) 902** **Picture Story Display** (SF87) – Entry will consist of 3 pictures which tell a story (include introduction, body and conclusion). No captions.
- C) 903** **County Only Theme Print: I Pledge My...** - The 4-H pledge talks about pledging your head, heart, hands, and health. Entries in the theme print class should pick one of the components of the 4-H pledge and capture and share what it means to you.

- C) 904 Exhibit Print (SF87)
- C) 905 Favorite Picture Display (SF87)
- C) 906 Phot Album (SF87)
- C) 907 Photo Flop (SF87)

DEPARMENT B – DIVISION 181 – Level 2: Next Level Photography

	<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	181	All Classes	\$2.50	\$2.00	\$1.50	\$1.00
SF) 010	Level 2 Portfolio (SF86) Level 2 portfolios should represent the photographer’s best work and must include 5-7 different images from the 4-H member’s photography career. At least 2 images must have been taken during the current year. The remaining images may have been taken at any time during the member’s 4-H experience and may have been previously exhibited. Portfolios may include photos which are exhibited in other Level 2 classes during the same year. Portfolios Must Include: 1) 1-Page max Bio, 2) table of contents, 3) year each photo was taken, 4) title for each image, 5) device make and model used to capture each image, and 6) reflections for each image. When writing reflections, youth should focus on what new photography techniques they were practicing when took the photo, what makes the image successful, and what could have been don’t different to improve the image.					
SF) 020	Creative Techniques & Lighting Display or Print (SF87) – Photos should capture a creative use of lighting, such as diffused lighting, backlighting, or hard lighting, reflections, or another lighting technique covered in Book 2 Next Level Photography (Activity 3, 4, 5)					
SF) 030	Creative Composition Display or Print (SF87) – Photos should capture the creative composition using the Rule of Thirds, Golden Triangle, Golden Rectangle, or another composition technique covered in Book 2 Next Level Photography. (Activity 6, 7, 8, 9)					
SF) 040	Abstract Photography Display or Print (SF87) Photos should be abstract or capture a small piece of a larger subject. Abstract photos may not look like anything in particular but should be able to capture a viewer’s attention (Activity 11)					
SF) 050	Candid Photography Display or Print (SF87) – Candid photos should capture a special moment or meaningful interaction. Photos should be un-posed. (Activity 10)					
SF) 060	Expression Through Color Display or Print (SF87) – Photos should capture a creative use of color or a color scheme, such as complimentary, contrasting, monochromatic, warm, cool, primary, secondary, or tertiary. (Activity 13)					
C) 901	Exhibit Print (SF87)					
C) 902	Favorite Picture Display (SF87)					
C) 903	Phot Album (SF87)					
C) 904	Photo Flop (SF87)					
C) 905	I Pledge My... (SF87)					

DEPARMENT B – DIVISION 182 – Level 3: MASTERING PHOTOGRAPHY

	<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	182	All Classes	\$2.50	\$2.00	\$1.50	\$1.00
SF) 010	Level 3 Portfolio (SF88) – Entry will consist of ten photos that represent the strongest collection of the participant’s work. See the notes above regarding details for the class. <ul style="list-style-type: none"> • Portfolios should include a minimum of 9-11 different images from the 4-H member’s photography career. At least 3 images should be from the current year. The remaining images may have been taken at any time during the member’s 4-H experience and may have been previously exhibited. • Photos should represent the 4-H member’s strongest collection of work. • Place photos in a plastic sleeve and present them in an 8½ x 11 three-ring binder. • Recommended photo size is 8x10. • Matting is not necessary.  Portfolios should include: (1) 1-page bio (for example, the portfolio could include a range of work from 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), (2) a table of contents, (3) year each photo was taken, (4) title for each image, (5) device make and model used to capture image, and (6) reflections for each image.					
SF) 020	Advanced Techniques & Lighting Print (SF89) – Photos should show an experimentation or exploration of advanced lighting, such as low-light or silhouette photography or another advanced photography technique, such as astrophotography, underwater photography, or infrared photography. (Activity 3, 4, 5, or 12)					

- SF) 030** **Advanced Composition Print** (SF89) – Photos should show advanced compositions, such as using diagonal, horizontal, or vertical lines or repeating shapes to frame a subject or lead the viewers eye through a scene; breaking the rule of thirds to compose a discordant image; or another advanced composition technique covered in Book 3 Mastering Photography (Activity 6, 7)
- SF) 040** **Portrait Exhibit Print** (SF89) A great portrait captures not only a person’s physical image, but also something of the person’s character or personality. Photos may be either formal or informal but must be of one or more human subjects. (Activity 9)
- SF) 050** **Still Life Print** (SF89) – Photos should capture non-moving objects that have been arranged in an interesting way. Photos should demonstrate advanced control over lighting and composition. (Activity 8)
- SF) 060** **Freeze/Blur the Moment Print** (SF89) –Photos should capture a subject in motion. Photographers should adjust shutter speed to either freeze or blur the movement. (Activity 11)
- C) 901** **Favorite Picture Display** (SF87)
- C) 902** **Phot Album** (SF87)
- C) 903** **Photo Flop** (SF87)
- C) 904** **I Pledge My...** (SF87)



DEPARTMENT: COMMUNICATIONS & EXPRESSIVE ARTS
AREA: POSTERS

»» **AREA RULES – POSTERS**

1. **Entries which do not include required information or formatting requirements will be lowered one ribbon placing.**
2. **Formatting Guidelines**
 - a. **Size:** Posters should be no larger than 24”x36”.
 - b. **Content:** 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.
 - c. Posters may not use copyrighted materials, such as cartoon characters or commercial product names, logos, or slogans. Avoid using over-used phrases that do not command the viewer’s attention. Follow the official 4-H Emblem guidelines.
 - d. **Materials:** Posters may be in any medium: watercolor, ink, crayon, markers, or computer graphics. They may not be three-dimensional. Entries with components thicker than paper (such as milk cartons, pencils, pop cans) will be disqualified.
3. **Posters will be judged on the following criteria:**
 - a. **Idea:** simple, clear message, appropriate for a poster
 - b. **Lettering:** readable from a distance, appropriate size in proportion to art.
 - c. **Art:** one dominant, eye-catching element: art relates to written message.
 - d. **Arrangement:** makes good use of entire poster space without being too crowded with art and lettering well balanced.
 - e. **Color:** use of bold colors that harmonize well: colors used are legible.
 - f. **Quality of Construction:** neatness: appropriateness of materials used.
 - g. **Effectiveness:** works well as a poster.

DEPARTMENT B – DIVISION 154 – POSTERS

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
154	All Classes	1	\$2.50	\$2.00	\$1.50	\$1.00

- C) 901** **Exploring Careers with 4-H**– The poster should illustrate how 4-Hers can explore career opportunities through 4-H projects.
- C) 902** **Photo Poster**– The poster should focus on a 4-H theme of your choice, using one large, eye-catching photo.
- C) 903** **Johnson County 4-H Marketing Poster**– Poster focusing on marketing 4-H in Johnson County.
- C) 904** **4-H Promotion**– Poster focusing on a 4-H project or activity.
- C) 905** **Growing Up Green**– Why I Love My 4-H Club.
- C) 906** **Educational Poster**
- C) 907-909** **Other Item Made in this Project**



DEPARTMENT: CONSUMER & FAMILY SCIENCE
 AREA: CLOTHING

CURRICULUM & RESOURCES

- STEAM Clothing: Beyond the Needle **B** **I** **A**
- STEAM Clothing 1: Fundamentals **B**
- STEAM Clothing 2: Simply Sewing **I**
- STEAM Clothing 3: A Stitch Further **A**

»» AREA RULES – CLOTHING

1. **Youth can ONLY enter exhibits into ONE STEAM Clothing Division (STEAM 1, 2, or 3).**
 - a. Youth enrolled in clothing projects should continue their skill development. Once they have exhibited in a higher level, they are not eligible to exhibit in a lower level. Ex. Once you exhibit in STEAM Clothing 2, you are not eligible to exhibit in STEAM Clothing 1.
2. **Each exhibit must have an “Identification Label” which includes Johnson County, exhibitor’s name and age, project name and class in which garment is entered, and number of years enrolled in project exhibiting.** Attach a label on every component of the outfit using safety pins or by basting.
3. **Bring all wearable exhibits on wire hangers or hangers with a swivel hook. All exhibits not suitable for hanging should be entered in a self-sealing plastic bag hung on a hanger.** Use safety pins to fasten skirts, shorts, and pants to hangers. Each piece should be entered on its own hanger. If more than one hanger is used for an entry, fasten hangers belonging to one exhibit together with twist ties or rubber bands.
4. Non-sewing exhibits can be a notebook, poster, or small display unless otherwise specified. Notebooks should be in 3 ring binders and include an appropriate cover, table of contents. And dividers. Posters and displays should not exceed 22” x 30”.
5. A list of skills by project is available at <https://go.unl.edu/ne4hclothing>.
6. A Design Data Card must be included with all Beyond the Needle Classes 003-008 and STEAM 2 and 3 upcycled exhibits. The data card is available at <https://go.unl.edu/ne4hclothing>. If the data card is not included, the exhibit will be lowered one ribbon placing.

Clothing exhibitors have the option to participate in clothing interview judging. They will pick one exhibit to share with the judge what they did and learned. Sign up for a time during static check-in.

DEPARTMENT C - DIVISION 220 – GENERAL CLOTHING

	<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	220	All Classes	\$3.00	\$2.50	\$2.00	\$1.00
SF) 001	Clothing Portfolio (SF20) – Complete at least four different samples/activities from Chapters 2, 3, or 4 of the project manual. Portfolio should build upon itself each year and pages can be added each year (please date pages). (Simply Sewing, p. 9-11)					
SF) 002	Textile Science Scrapbook (SF20) – Must include at least 10 different textile samples in binder. See project manual “Textile Information Card” temple and for fabric suggestions. Scrapbook should build upon itself each year and pages can be added each year (please date pages). (Simply Sewing, p. 39)					
SF) 003	Sewing For Profit (SF63) – Display what products you posted online and analyze the cost of goods purchased to determine the appropriate selling price for your product. (Simply Sewing, p. 161-167)					

DEPARTMENT C - DIVISION 221 – BEYOND THE NEEDLE

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
221	001-010	\$3.00	\$2.50	\$2.00	\$1.00
221	901-903	\$3.00	\$2.50	\$2.00	\$1.00



- SF) 001** **Design Portfolio** (SF 20) – A portfolio consisting of at least three design samples or activities. Refer to the project manual for activity ideas. Portfolio should build upon itself each year and pages can be added each year (please date pages). (Beyond the Needle, p. 14-16)
- SF) 002** **Color Wheel** (SF 20) – Create your own color wheel, complimentary color bar or color scheme. (Beyond the Needle, p. 27-39)
- SF) 003** **Embellished Garment with Original Design** (SF26) – - Create a garment using techniques as defined in the project manual. Designs are the original idea of the 4-Her using the elements and principles of design to make an original statement. A Design Data Card must be included with this project. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing. (SF26) (Eligible for State Fair Fashion Show)
- SF) 004** **Original Designed Fabric Yardage** (SF 28) – Fabric yardage is designed using techniques such as those found in the manual. Other embellishments may be added. The exhibit consists of at least one yard of finished fabric. A Design Data Card must be included with this project. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing.
- SF) 005** **Item Constructed from Original Designed Fabric** (SF 26) – Fabric yardage is designed first, then a garment is constructed from that fabric. Other embellishments may be added. A Design Data Card must be included with this project. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing.
- SF) 006** **Textile Arts Garment or Accessory** (SF 25) – A garment or accessory constructed using new unconventional materials. Examples: rubber bands, plastic, duct tape. A Design Data Card must be included with this project. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing. (SF265) (Garment eligible for State Fair Fashion Show)
- SF) 007** **Fashion Accessory** (SF 26) – An accessory designed and constructed using elements and principles of design; can be textile or non-textile based. Example: shoes, strung bracelet/necklace, wire wrapping, scarves, flip flops, design on tennis shoes, and etc. A Design Data Card must be included with this project. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing. (Not eligible for State Fair Fashion Show)
- SF) 008** **Wearable Technology Garment** (SF26) – Technology is integrated into the garment in some way (For example: LEDs, charging capabilities, sensors, etc.) A Design Data Card must be included with this project. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing. (Garment is eligible for State Fair Fashion Show)
- C) 901-903** **Other Item Made in this Project** (SF26)

DEPARTMENT C – DIVISION 220 – STEAM CLOTHING 1: FUNDAMENTALS

	<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	220	All Classes	\$3.00	\$2.50	\$2.00	\$1.00
C) 901	Sewing Kit (SF20) – Include a list of sewing notions and purpose for each included. (Fundamentals, p. 12-17)					
C) 902	What’s The Difference (SF20) – Share a project comparison and price point. Exhibits should include pictures. (Fundamentals, p. 118-119)					
C) 903	Clothing Service Project (SF20) – Share information you generated in the project activity “Serving A Purpose”. Service project can include pillows or pillowcases, but are not limited to these items. (Fundamentals, p. 124-125)					
C) 904	Simple Top (SF23)					
C) 905	Simple Bottom (SF23) – pants, shorts or skirt.					
C) 906	Simple Dress (SF23)					
C) 907	Upcycled Simple Garment (SF21) – The original used item must be redesigned (not just decorate) 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. A Design Data Card must be included with this project. The data card is available at https://go.unl.edu/ne4hclothing . If additional information is not included, the exhibit will be lowered one ribbon placing.					
C) 908	Upcycled Accessory (SF22) – 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. A Design Data Card must be included with this project. The data card is available at https://go.unl.edu/ne4hclothing . If additional information is not included, the exhibit will be lowered one ribbon placing.					
C) 909-911	Other Item Made in this Project					

DEPARTMENT C - DIVISION 222 — STEAM CLOTHING 2: SIMPLY SEWING

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
222	001-014	\$4.00	\$3.25	\$2.50	\$1.75
222	901-903	\$4.00	\$3.25	\$2.50	\$1.75


- SF) 001** **Design Basics, Understanding Design Principles** (SF20) – Share learning experiences. Project should include answers to questions found on page 20 of the manual. (Simply Sewing, p. 17-20)
- SF) 002** **Pressing Matters** (SF20) – Hem or sleeve roll exhibit. The exhibit should include answers to lesson questions that are most appropriate to include. (Simply Sewing, p. 21-25)
- SF) 003** **Upcycled Garment** (SF2) – 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.** A list of skills is available at <https://go.unl.edu/ne4hclothing>. A Design Data Card must be included with this project including a “before” picture no larger than 4.25” x 5.5”. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing. (Eligible for State Fair Fashion Show)
- SF) 004** **Upcycled Clothing Accessory** (SF2) – A wearable accessory made from a used item. The original used item must be redesigned using skills learned in STEAM Clothing 2 (not just decorated) in some way to create a new wearable accessory. The finished garment must reflect at least one skill learned in this project. A list of skills by project is available at <https://go.unl.edu/ne4hclothing>. A Design Data Card must be included with this project including a “before” picture no larger than 4.25” x 5.5”. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing. 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. (Not eligible for State Fair Fashion Show)
- SF) 005** **Textile Clothing Accessory** (SF23) – Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 2. A list of skills by project is available at <https://go.unl.edu/ne4hclothing>. 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.) (Not eligible for State Fair Fashion Show)
- SF) 006** **Top** (SF28) – Can be a vest
- SF) 007** **Bottom** (SF28) – Can be pants or shorts
- SF) 008** **Skirt** (SF28)
- SF) 009** **Unlined Jacket** (SF28) (Not eligible for State Fair Fashion Show)
- SF) 010** **Dress** (SF28) – Does not include formal wear
- SF) 011** **Romper or Jumpsuit** (SF28)
- SF) 012** **Two-Piece Outfit** (SF28)
- SF) 013** **Alter Your Pattern** (SF28) –  **Include an information sheet that describes: 1) how the pattern was altered or changed, 2) why the changes were needed/wanted.** Appropriate skills for altering/designing a pattern in STEAM 2 include: moving darts, merging two patterns together, altering a pattern for a woven or knit material, adding a lining)
- SF) 014** **Garment Constructed from Sustainable or Unconventional [natural or synthetic] Fibers** (SF28) – Fabric/Fibers used in this garment have to be manufactured or purchased, for example: bamboo, banana, corn husk, and recycled fibers. Garments that are constructed out of the unconventional items themselves should be exhibited under Beyond the Needle.
- C) 901-903** **Other Item Made in this Project**

DEPARTMENT C - DIVISION 223 – STEAM CLOTHING 3: A STITCH FURTHER

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
223	001-012	\$5.00	\$4.00	\$3.00	\$2.00
223	901-903	\$5.00	\$4.00	\$3.00	\$2.00

- SF) 001** **Upcycled Garment** (SF28) – - Create a garment from used textile-based items. The original used item must be redesigned (not just decorated) in some way to create a new wearable piece of clothing. The finished garment must reflect at least one skill learned in this project. A list of skills by project is available at <https://go.unl.edu/ne4hclothing>. A Design Data Card must be included with this project including a “before” picture no larger than 4.25” x 5.5”. The data card is available at <https://go.unl.edu/ne4hclothing>. If

additional information is not included, the exhibit will be lowered one ribbon placing. (Not eligible for State Fair Fashion Show)

- SF) 002** **Upcycled Clothing Accessory** (SF28) – A wearable accessory made from a used item. The item used must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in this project. A list of skills by project is available at <https://go.unl.edu/ne4hclothing>. A Design Data Card must be included with this project including a “before” picture no larger than 4.25” x 5.5”. The data card is available at <https://go.unl.edu/ne4hclothing>. If additional information is not included, the exhibit will be lowered one ribbon placing. (Not eligible for State Fair Fashion Show)
 - SF) 003** **Textile Clothing Accessory** (SF23) – Textile accessory is constructed using at least one skill learned in this project from materials appropriate for STEAM 3. A list of skills by project is available at <https://go.unl.edu/ne4hclothing>. 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.) (Not eligible for State Fair Fashion Show)
 - SF) 004** **Dress or Formal** (SF28)
 - SF) 005** **Skirted Combination** (SF28) – Skirt with shirt, vest or jacket OR jumper and shirt
 - SF) 006** **Pants or Shorts Combination Outfit** (SF28) – Pants or shorts with shirt, vest, or jacket
 - SF) 007** **Romper or Jumpsuit** (SF28)
 - SF) 008** **Specialty Wear** (SF28) – Swim wear, costumes, hunting gear, or chaps
 - SF) 009** **Lined or Unlined Jacket** (SF28) – Non-tailored
 - SF) 010** **Blazer, Suit Jacket or Outerwear Coat** (SF29) – Tailored blazer, suit jacket, or coat
 - SF) 011** **Alter/Design Your Pattern** (SF28) –  **Include information sheet that describes: 1) how the pattern was altered or changed, 2) why the changes were needed/wanted.** Appropriate skills for altering/designing a pattern in STEAM 3 include: moving darts, adding a zipper, merging two patterns together, altering a pattern for a woven or knit material, adding a lining, designing your own pattern
 - SF) 012** **Garment Constructed from Sustainable or Unconventional [natural or synthetic] Fibers** (SF28) – Fabric/Fibers used in this garment have to be manufactured or purchased, for example: bamboo, banana, corn husk, and recycled fibers. Garments that are constructed out of the unconventional items themselves should be exhibited under Beyond the Needle.
- C) 901-903 Other Item Made in this Project**

DEPARTMENT C - DIVISION 410 –FASHION SHOW

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
410		4.00	3.00	\$2.00	\$1.00

ENTRY LIMITS - A participant is allowed a maximum of SEVEN entries with NO more than:

- 1 entry in First Year Fashion, STEAM Clothing 1, STEAM Clothing 2, and STEAM Clothing 3
- 1 entry in Knitting
- 1 entry in Crochet
- 1 entry in Beyond the Needle (formerly Decorate Your Duds)
- 1 entry in Make One Buy One
- 1 entry in Upcycled Garment/Accessory
- 1 entry in Garment Made for Someone Else
- 1 entry in Shopping in Style
- 1 entry in \$15 Outfit Challenge

2. **PRE-ENTRY** – Participants must pre-enter by completing the appropriate entry forms.

3. **PUBLIC FASHION SHOW** - Participants are expected to participate in the Public Fashion Show; participants may only be excused from the public show by the fashion show superintendent and/or Extension staff.

4. **AWARDS** - Special awards will be given to the top three individuals in:

- Beyond the Needle – Junior Division (ages 8 to 11 as of December 31st)
- Beyond the Needle – Senior Division (ages 12 and over as of December 31st)
- Shopping in Style – Junior Division (ages 8 to 11 as of December 31st)
- Shopping in Style – Senior Division (ages 12 and over as of December 31st)
- \$15 Dollar Outfit Challenge
- STEAM Clothing 1
- STEAM Clothing 2

- STEAM Clothing 3
- Knitting & Crochet
- Make One Buy One
- Upcycled Garment/Accessory

STATE FAIR – The judge will select a top exhibitor from the STEAM Clothing 2 and STEAM Clothing 3 classes to represent Johnson County at the Nebraska State Fair 4-H Fashion Show. Also, the top exhibitor in the Shopping in Style – Senior Division will be chosen to represent Johnson County at the Nebraska State Fair 4-H Shopping in Style Fashion Show.

5. LEVEL REQUIREMENTS

- **FIRST YEAR FASHION** – 4-H members who are enrolled in their first year of the STEAM Clothing 1 project. 4-H members who have enrolled in or completed STEAM Clothing 2 or STEAM Clothing 3 projects may not participate in this class. Check the Construction Skills Checklist and acceptable fabrics list in the manual.
- **STEAM CLOTHING 1** – 4-H members who have enrolled in or completed STEAM Clothing 2 or STEAM Clothing 3 projects may not participate in this class. Check the Construction Skills Checklist and acceptable fabrics list in the manual. A firm, medium weight woven fabric is appropriate. In-seam or patch pockets, simple lined vests, or flat constructed sleeves are acceptable. Plaids and striped fabric, garments with collars, set-in sleeves, waistbands, and zipper are NOT accepted.
- **STEAM CLOTHING 2** – 4-H members who have enrolled in or who have completed the STEAM Clothing 3 project are not eligible to enter this class. Check the manual for further guidance on acceptable patterns, fabrics, etc.
- **STEAM CLOTHING 3** - Check the manual for further guidance on acceptable patterns, fabrics, etc.

6. ACCEPTABLE ENTRIES

- **FIRST YEAR FASHION** – Simple pillow, pillowcase, laundry bag, or bag/purse.
- **STEAM CLOTHING 1** – Simple dress, simple skirted outfit (skirt with shirt or vest), simple pants/shorts outfit (pants or shorts with shirt or vest). ALL items modeled must be constructed by the exhibitor, except a purchased top can be worn to complete a simple skirted or pants/shorts outfit that includes a vest.
- **STEAM CLOTHING 2** – Dress; skirted outfit (skirt with shirt, vest or jacket); pants/shorts outfit (pants or shorts with shirt, vest or jacket). A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants, or shorts.
- **STEAM CLOTHING 3** – Dress; skirted outfit (skirt with shirt, vest, or jacket); formal (dress or tuxedo for prom, wedding or other formal occasion); pants/shorts outfit (pants or shorts with shirt, vest, or jacket); specialty wear (costume, western wear (chaps, chinks, or riding attire)); sportswear (jogging outfit, swimwear, aerobic wear, or ski wear); or coat/outerwear/jacket (lined or unlined, non-tailored). A purchased top can be worn to complete a vest or jacket outfit with a skirt, pants or shorts.
- **MAKE ONE – BUY ONE** - 4-H members enrolled in STEAM Clothing 1, STEAM Clothing 2, or STEAM Clothing 3 may enter this class. Sewn garment(s) should be combined with a purchased item to make a complete wearable outfit.
- **UPCYCLED GARMENT OR ACCESSORY** - Create a garment or accessory 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 item must reflect at least one skill learned in this project.
- **GARMENT MADE FOR SOMEONE ELSE** - 4-H members enrolled in STEAM Clothing 1, STEAM Clothing 2, STEAM Clothing 3, Knitting and Crochet may enter this class. The 4-H member should use the skills learned in the 4-H project they are enrolled in to make an outfit/garment for someone else. The individual for whom the outfit/garment was constructed will model in this class.
- **SHOPPING IN STYLE** - In the Shopping in Style classes the 4-H member will model the outfit purchased in their project. Participants will also be required to fill out a written report and submit it with their entry forms prior to the Fashion Show.

\$15 OUTFIT CHALLENGE – The outfit must be selected and purchased from garage sales, thrift stores, consignment or resale shops, clearance, etc. The total cost of the outfit may not exceed \$15 (excluding the cost of shoes worn while modeling), The exhibit can be worn as purchased, or may be altered or remade (example: a denim skirt could have a ruffle added or jeans could be cut off to a Capri length and have a band of fabric added). Participants will be required to fill out a written report and submit it with their entry prior to the Fashion Show.

CLASS 900	Beyond the Needle	Junior Division (ages 8 to 11)
CLASS 905	Beyond the Needle	Senior Division (ages 12 and over)
CLASS 910	First Year Fashion	
CLASS 915	STEAM Clothing 1	
CLASS 920	STEAM Clothing 2	
CLASS 925	STEAM Clothing 3	
CLASS 930	Knitted Garment/Accessory	
CLASS 935	Crocheted Garment/Accessory	
CLASS 940	Make One – Buy One	
CLASS 945	Upcycled Garment/Accessory	
CLASS 950	Garment Made for Someone Else	
CLASS 955	Shopping in Style – Junior Division	(4-Hers 8 to 11 years of age)
CLASS 960	Shopping in Style – Senior Division	(4-Hers 12 years of age and over)
CLASS 965	\$15 Outfit Challenge	



DEPARTMENT: CONSUMER & FAMILY SCIENCE
AREA: QUILT QUEST



CURRICULUM & RESOURCES

Quilt Quest



AREA RULES – QUILT QUEST

1. **Quilts must have a permanent label on the back in the bottom right corner with quilter's name and date of completion.**
2. **All entry cards and supporting information must be attached using a safety pin.**
3. Expectations
 - a. In Quilt Quest, 4-Hers learn skills as they progress through the project. The least experienced 4-H exhibitor will select fabric, cut, and sew together only squares or rectangles in making the quilt top. They may have additional guidance in piecing the quilt block and layering together the quilt top, inner batting and the quilt bottom. Another person can do the quilting for them.
 - b. In the Premier class, the 4-Her has developed skills to be able to do all of the work by himself/herself. This includes pattern and fabric selection, cutting and sewing individual pieces, layering the quilt top/batting/backing together, and quilting. Quilting may be done by hand, by sewing machine or by a commercial-grade quilting machine. After quilting, the 4-Her must finish the quilt by "squaring it up," put binding on the edge, and placing a label on the quilt which provides details about the quilt making process for historical purposes.
 - c. For all classes, 4-Hers can choose fabrics for the quilt by selecting fabric from fabric bolts. 4-Hers may also use "fabric collections" offered by manufacturers in a particular designer or fabric line. 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.
 - d. A quilted exhibit is made up of at least 3 layers. Exhibits must be quilted or tied through all layers.
4. Non-quilt exhibits can be a notebook, poster, or small display unless otherwise specified. Notebooks should be in 3 ring binders and include an appropriate cover, table of contents, and dividers. Posters and displays should not exceed 14" x 22". Multimedia exhibits should be on CD or link to Prezi or YouTube site.
5. When judging Quilt Quest exhibits, the judges consider SF209 "Standards for Judging Quilts and Quilted Items."

DEPARTMENT C - DIVISION 229 - QUILT QUEST

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
229	010-062		\$4.00	\$3.25	\$2.50	\$1.75
229	070-083		\$4.00	\$3.25	\$2.50	\$1.75

SF) 010 **Exploring Quilts** (SF208c) – 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 the history of an old quilt or history/research of a particular style of quilt such as Baltimore album quilts or Amish quilts.

- SF) 020** **Quilt Design other than Fabric (SF208b)** –  **Supporting information must include elements or principles of design used and steps taken to complete project.** Use “Home Environment Supporting Information” tag located on appendix I.
- SF) 021** **Small Barn Quilt (SF208b)** – Less than 4’x4’
- SF) 022** **Large Barn Quilt (SF208b)** – More than 4’x4’
- SF) 030** **Computer Exploration (SF208c)** – Poster or notebook with a minimum of six computer generated quilt designs or color variations on a quilt design. Include information on type of program used, process used to generate designs, or how you used color to create different quilt designs.
- SF) 040** **Wearable Art (SF208a)** – Quilted clothing or clothing accessory which must have a recognizable amount of quilting and may include fabric manipulation. Quilting must be done by 4-H member.  **On a half sheet of 8 ½ x 11 inch paper, tell how you selected the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.**
- SF) 041** **Inter-Generational Quilt (SF208e)** – A quilt made by a 4-H member and family members or friends of different generations.  **On a half-sheet of 8 ½ x 11 inch paper, include an explanation answering the following questions: A) how was the quilt planned and who did what in the construction of the quilt? B) How did you select the design and fabrics including whether or not you used a kit, jelly roll, charm squares, etc.? C) What did you learn that you can use on your next project?**
- SF) 042** **Service Project Quilt (SF208d)** – A quilt constructed by a 4-H member or group to be donated to a worthy cause.  **On a half sheet of 8 ½ x 11 inch paper, include an explanation answering the following questions: A) Why was the quilt constructed and who will receive the donated quilt? B) How did you select the design and fabrics used including whether or not you used a kit, jelly roll, charm squares, etc.? C) What did you do and what was done by others? D) What did you learn that you can use on your next project?**
- Level I – *Pieced quilts are made up of squares or rectangles.*
- SF) 050** **Small (SF208a)** – length + width = less than 60”
- SF) 051** **Medium (SF208a)** – length + width = 61 – 120”
- SF) 052** **Large (SF208a)** – length + width = over 120”
- Level II – *In addition to squares or rectangles, quilts may have triangles, and/or maybe embroidered.*
- SF) 060** **Small (SF208a)** - length + width = less than 60”
- SF) 061** **Medium (SF208a)** - length + width = 61 – 120”
- SF) 062** **Large (SF208a)** - length + width = over 120”
- Level III – *In addition to any of the methods in classes 50-62, quilts may have curved piecing, appliqué, Celtic style, stained glass style, paper piecing, art quilt style, or other non- traditional styles.*
- SF) 070** **Small (SF208a)** - length + width = less than 60”
- SF) 071** **Medium (SF208a)** - length + width = 61 – 120”
- SF) 072** **Large (SF208a)** - length + width = over 120”
- Premiere Quilt – *Entire quilt is the sole work of the 4-Her, including quilting (hand or machine).*
- SF) 080** **Hand Quilted (SF208a)**
- SF) 081** **Sewing Machines Quilted (SF208a)**
- SF) 082** **Long Arm Quilted (SF208a)** – non-computerized/hand-guided
- SF) 083** **Long Arm Quilted (SF208a)** – computerized



DEPARTMENT: CONSUMER & FAMILY SCIENCE
 AREA: Knitting and Crochet



CURRICULUM & RESOURCES

- ABC of Knitting **B** **I** **A**
- Knitting Made Easy [CD] **B** **I** **A**
- ABC of Crochet (Right Hand or Left Hand) **B** **I** **A**

DEPARTMENT C – DIVISION 225 – KNITTING

»» DIVISION RULES – KNITTING

1. Criteria for judging Knitting: Design and Color, Neatness, Knitting Mechanics, Trimmings and Construction Finishes
2. Each knitted exhibit must include the following information with the entry tag or the exhibit will be lowered one ribbon placing:
 - a. Why did you choose to create this exhibit?
 - b. What steps did you take as you created your exhibit?
 - c. What were the most important things you learned?
 - d. Gauge – Number of rows per inch; number of stitches per inch
 - e. Size of needles, finger knitted, arm knitted, loom or machine knitted.
 - f. Kind of yarn – weight and fiber content.
 - g. Names of stitches used.

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
225	001-007	\$3.00	\$2.50	\$2.00	\$1.50
225	901-903	\$3.00	\$2.50	\$2.00	\$1.50

- SF) 001** **Level 2 Knitted Clothing (SF__)** – Knitted item or garment using pattern stitches such as diamond, block, twist or seed/moss stitches.
- SF) 002** **Level 2 Knitted Home Environment Item (SF__)** – Knitted Item using basic stitches to form patterns.
- SF) 003** **Arm or Finger Knitted Item (SF__)**
- SF) 004** **Loom Knitted Item (SF60)**
- SF) 005** **Level 3 Knitted Clothing (SF__)** – Knitted item or garment made from advanced knitting stitches such as pass slip stitch over, double-pointed needle knitting, cable, Turkish, tamerna, plait, Germaine, feather and fan or knitting with one or more patterns such as Aran or Fair Isle. Made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting.
- SF) 006** **Level 3 Knitted Home Environment Item (SF__)** – Knitted item made by using stitches learned in Level 2 while advancing to circular knitting, double pointed needle knitting, knitting with multiple pattern stitches, and changing colors throughout the garment such as argyle knitting and chart knitting.
- SF) 007** **Level 3 Machine Knitting (SF__)**
- C) 901-903** **Other Item Made in this Project (SF__)**

DEPARTMENT C - DIVISION 226 – CROCHET

»» DIVISION RULES – CROCHET

1. Please include the following information on a separate piece of paper:
 - a. 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)?)
 - b. What steps did you take as you worked toward your goal(s)?
 - c. What were the most important things you learned as you worked toward your goal(s)?
 - d. Gauge – Number of rows per inch; number of stitches per inch.
 - e. Size of needles, finger knitted, arm knitted, loom or machine knitted
 - f. Kind of yarn – weight and fiber content.
 - g. Names of stitches used.
 - h. Copy of directions.

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
226	001-004	\$3.00	\$2.50	\$2.00	\$1.50
226	901-903	\$3.00	\$2.50	\$2.00	\$1.50

- SF) 001** **Level 2 Crocheted Clothing (SF__)** – Crochet garment using basic stitches [including: chain, single, double, half-double, treble] to form patterns.

- SF) 002 **Level 2 Crocheted Home Environment Item** (SF__) – Crochet item using basic stitches [including: chain, single, double, half-double, treble] to form patterns.
- SF) 003 **Level 3 Crocheted Clothing** (SF__) – Crochet garment using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.
- SF) 004 **Level 3 Crocheted Home Environment Item** (SF__) – Crochet item using stitches learned in Level 2 while advancing to use afghan stitch, broomstick lace, hairpin lace, design motifs, and multiple pattern stitches.
- C) 901-903 **Other Item Made in this Project** (SF__)



DEPARTMENT: CONSUMER & FAMILY SCIENCE
 AREA: CONSUMER MANAGEMENT



CURRICULUM & RESOURCES

- Shopping in Style (B) (I) (A)
- Making Cents of It (B)
- My Financial Future: Beginner Notebook (B) (I)
- My Financial Future: Advanced Notebook (I) (A)

DEPARTMENT C – DIVISION 240 – SHOPPING IN STYLE



DIVISION RULES – SHOPPING IN STYLE

- 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.

Division	Class	Purple	Blue	Red	White
240	001-006	\$4.00	\$3.25	\$2.50	\$1.75
240	901-903	\$4.00	\$3.25	\$2.50	\$1.75


- SF) 001 **Best Buy for Your Buck** (SF84) – For exhibitors ages 10-13. Provide details of the best buy you made for your buck this year! Include wardrobe inventory which includes 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). Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, 2, 3, etc. Put the story in a binder or video, no posters please.
- SF) 002 **Best Buy For Your Buck** (SF84) – For exhibitors ages 14-18. Provide details of the best buy you made for your buck this year! Include wardrobe inventory which includes why you selected the garment you did, clothing budget, and cost of garment; 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). Consider building the ultimate wardrobe by adding to this entry each year by dividing it into Year 1, 2, 3, etc. Put the story in a binder or video, no posters please.
- SF) 003 **Revive Your Wardrobe** (SF88) – Take at least two items in your wardrobe that still fit but that you don't wear anymore and pair them with a new garment or garments to make them wearable once again. Create a photo story which includes before and after photos and a description of what was done. Put in a binder, poster, or video.
- SF) 004 **Show Me Your Colors** (SF89) – 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.
- SF) 005 **Clothing 1st Aid Kit** (SF64) – Refer to page 73 of the manual and complete a clothing first aid kit. Include a list of items in the kit and brief discussion of why each was included. Put in appropriately sized box or tote with a lid. No larger than a shoe box.
- SF) 006 **Mix, Match, & Multiply** (SF90) – 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.
- C) 901-903 **Other Item Made in this Project**

DEPARTMENT C – DIVISION 247 – MY FINANCIAL FUTURE

»» DIVISION RULES – MY FINANCIAL FUTURE

1. 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). May use the front and back of the poster board.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
247	001-007		\$2.50	\$2.00	\$1.50	\$1.00
247	008-011		\$2.50	\$2.00	\$1.50	\$1.00
247	901-903		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Goal Setting** (SF247) – 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.
- SF) 002** **Income Inventory** (SF247) – 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. (My Financial Future: Beginner, p. 13)
- SF) 003** **Tracking Expenses** (SF247) – 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.
- SF) 004** **Money Personality Profile** (SF247) – Complete the money personality profile. 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. (My Financial Future: Beginner, p. 21-22)
- SF) 005** **What Does It Really Cost** (SF247) – Complete Activity 8 “What Does It Really Cost?” (My Financial Future: Beginner, p. 39-40)
- SF) 006** **My Work; My Future** (SF247) – Interview three adults in your life about their careers or jobs and record these answers.  **In addition, answer the following questions on your display. What did you find most interesting about these jobs? Were there any positions you might want to pursue as your career? Why/Why not? What careers interest you at this point in your life? What are three steps you need to do now to prepare for this career?** (My Financial Future: Beginner, p. 51)
- SF) 007** **Interview** (SF247) – Interview someone who is paid a salary; someone who is paid a commission; and someone who is paid an hourly wage. Have them answer the following questions plus any additional questions you may have. Questions include: (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.
- SF) 008** **The Cost of Not Banking** (SF247) – Type your answers to the questions about Elliot. (My Financial Future: Advanced, p. 50)
- SF) 009** **Evaluating Investment Alternatives** (SF247) – Complete the case study of Jorge. Answer all three questions found at the bottom of the page. (My Financial Future: Advanced, p. 64)
- SF) 010** **Understanding Credit Scores** (SF247) – Watch the video and read the resource. 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. (My Financial Future: Advanced, p. 71)
- SF) 011** **You Be the Teacher** (SF247) – Create an activity, story board, game or display that would teach another youth about “Key Terms”. Activity/display must include at least 5 of the terms. (My Financial Future: Advanced, p. 62)
- C) 901-903** **Other Item Made in this Project**





DEPARTMENT: CONSUMER & FAMILY SCIENCE
 AREA: HERITAGE



CURRICULUM & RESOURCES
 Genealogy **B** **I** **A**

DEPARTMENT A – DIVISION 101 – HERITAGE (4 years or less)

»» **AREA RULES – HERITAGE**


1.  **Displays should not be larger than 22" x 28" wide. Pictures and other hanging items must have a wire hanger for display purposes. Display collections securely in an attractive container no larger than 22" x 28".**
2.  **Exhibits must include Name, County, and Years in Project on the back of the exhibit. All items must have documentation included.**
3. An exhibit of items, pictures, maps, charts, slide/tapes, drawings, illustrations, writings, or displays that depict the heritage of the member's family or community or 4-H history.
4. Exhibits are entered at 4-H'ers own risk. The County Ag Society and the Extension Office will not be responsible for loss or damage to family heirloom items or any items in this department.


<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
101	001-015	\$3.00	\$2.50	\$2.00	\$1.50

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

DEPARTMENT A – DIVISION 102– HERITAGE (4 years or more)

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
102	001-017	3	\$3.00	\$2.50	\$2.00	\$1.50

- SF) 001** **Heritage Poster or Flat Exhibit** (SF71) – Entries may be pictures, posters, items, etc., that depict family heritage.  **Exhibits must be supported by a written explanation.**
- SF) 002** **Family Genealogy/History Notebook** (SF71) – Include pedigree charts/family group sheets, with documentation beyond two-three generations of one family line, expanding each year. If multiple books are included in exhibit, only bring most current year's work.
- SF) 003** **Local History Scrapbook/Notebook** (SF71) – Scrapbook or notebook that depicts history of local community or Nebraska that helps youth appreciate their heritage.
- SF) 004** **Framed Family Groupings (or Individuals)** (SF71) – Pictures showing family history. Pictures should be supported by a written explanation.

- SF) 005 **Other Exhibits** (SF71) – Depicting the heritage of the member’s family or community. The exhibit should be supported by a written explanation. May include biographical album of themselves or another family member, family cookbooks, etc.
- SF) 006 **4-H History Scrapbook** (SF71) – A scrapbook relating to the 4–H history of local club or county. Must be work of individual 4-H member, no club project. If multiple books are included in exhibit, only bring book with most current year’s work.
- SF) 007 **4-H History Poster** (SF71) – Relating to 4–H history of local club, county or individual.
- SF) 008 **Story or Illustration** (SF71) – About a historical event.
- SF) 009 **Book Review** (SF71) – About local, Nebraska or regional history.
- SF) 010 **Other Historical Exhibits** (SF71) – attach an explanation of historical importance.
- SF) 011 **Landmark** (SF71) – depicting the importance of a community or Nebraska landmark.
- SF) 012 **Community Report** (SF71) - Documenting something of historical significance from past to present.
- SF) 013 **Historic Collection** (SF71) – Displayed securely and attractively in a container no larger than 22” x 28”.
- SF) 014 **Video Documentary** (SF71) – A family or a community event. DVD or USB  **Must be produced and edited by the 4-H member.**
- SF) 015 **4-H Club/County Scrapbook** (SF71) – Relating to the 4–H history of local club or county compiled by club historian. If multiple books are included in exhibit, only bring book with most current year’s work.
- SF) 016 **4-H Member Scrapbook** (SF71) – Relating to individual 4-H member’s 4-H history. If multiple books are included in exhibit, only bring book with most current year’s work.
- SF) 017 **Special Events Scrapbook** (SF71) – Relating to a 4-H special event, such as Congress or CWF or a personal or family.



DEPARTMENT: CONSUMER & FAMILY SCIENCE
 AREA: HOME ENVIRONMENT



<u>CURRICULUM & RESOURCES</u>			
Sketchbook Crossroads	I	A	
Portfolio Pathways	I	A	
Preserving Heirlooms	I	A	
Design Decisions	I	A	




DIVISION RULES – VISUAL ARTS

1. **ORIGINAL WORK** – Items must be the original work of the 4-H member and should show creativity and originality. No copyrighted images or master studies.
2. **FRAMED AND READY FOR DISPLAY** – All 2-dimensional pieces must be ready for display, framed, ready to hang, using a sawtooth or wire hanger. Stretched canvases do not need frames as long as staples are not visible on the edges. All other 2-dimensional pieces must be framed.
3. **ENTRIES PER EXHIBITOR** – One entry per class.
4. **ENTRY DESCRIPTIONS** – Entry tags should include a visual description of the exhibit, including size, dominant color and subject to aid in identification.
5. **SUPPORTING INFORMATION** – Supporting information is required for all Visual Arts exhibits. Information must include responses to all questions and steps taken to complete the project. Supporting information must be securely attached to the back of the piece. Supporting Information tag templates can be found at <https://go.unl.edu/ne4hvisualarts>. Exhibits without supporting information will be dropped a ribbon placing.

DEPARTMENT C – DIVISION 260 – SKETCHBOOK CROSSROADS


<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
260	001-010	\$3.00	\$2.50	\$2.00	\$1.00
260	901-903	\$3.00	\$2.50	\$2.00	\$1.00

- SF) 001 **Original Pencil or Chalk Drawing** (SF200) – Original pencil drawing. Scratch art accepted here. (Sketchbook Crossroads, p. 10 - 21)
- SF) 002 **Original Ink Drawing** (SF200) – Original ink (Sketchbook Crossroads, p. 22-28).
- SF) 003 **Fiber Home Accessory** (SF200) – Home accessory made with fiber (Sketchbook Crossroads, p. 29)

- SF) 004 Felted Wool Home Accessory (SF200)** – Home accessory made with felted wool (Sketchbook Crossroads, p. 29-33)
- SF) 005 Cotton Linter Home Accessory (SF200)** – Home accessory made with cotton linter (Sketchbook Crossroads, p. 34-36)
- SF) 006 Batik Home Accessory (SF200)** – Home accessory using batik (Sketchbook Crossroads, p. 37-39)
- SF) 007 Loom Woven Home Accessory (SF200)** – Home accessory made by weaving on a loom (Sketchbook Crossroads, p. 40-47)
- SF) 008 Dyed Fabric Home Accessory (SF200)** – Home accessory made with fabric exhibitor has dyed (Sketchbook Crossroads, p. 48-50)
- SF) 009 Home Accessory made with Clay (SF200)** – Original sculpted or thrown home accessory made of clay (no purchased pots) (Sketchbook Crossroads, p. 53-62).
- SF) 010 Nebraska Life Exhibit (SF200)** – 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. Using natural resources such as native grasses to make a weaving, using natural fibers for felting, or using roots, nuts, plants or flowers to dye fabric.  **Include the required information listed above and how this project represents life in Nebraska.**
- C) 901-903 Other Item Made in this Project (SF200)**

DEPARTMENT C – DIVISION 261 – PORTFOLIO PATHWAYS

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
261	001-007	\$3.00	\$2.50	\$2.00	\$1.00
261	901-903	\$3.00	\$2.50	\$2.00	\$1.00

- SF) 001 Original Acrylic Painting (SF200)** – Original acrylic painting, framed and ready to hang (PP, p. 10 - 35)
- SF) 002 Original Oil Painting (SF200)** – Original oil painting, framed and ready to hang (PP, p. 10 - 35)
- SF) 003 Original Watercolor (SF200)** – Original watercolor, framed and ready to hang (PP, p. 10 - 35)
- SF) 004 Original Sand Painting (SF200)** – Original sand painting, framed and ready to hang (PP, p. 10 - 35)
- SF) 005 Original encaustic painting (SF200)** – Original encaustic painting, framed and ready to hang (PP, p. 10 - 35)
- SF) 006 Home Accessory (SF200)** – (PP, p. 36-56)
- SF) 007 Original mixed media accessory- (SF200)** – An art exhibit using a combination of two or more different media or materials. One media must be included in another Portfolio Pathways class. (ex. watercolor and graphite)
- SF) 008 Nebraska Life Exhibit (SF200)** – 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.**
- C) 901-903 Other Item Made in this Project (SF200)**

DIVISION RULES – PRESERVING HEIRLOOMS

1. 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.
2. Exhibit only items for the home.
3. Additional Information Needed: (1) List of steps taken to complete your project. Before and after pictures encouraged; and (2) How you acquired the item and the history of the item - may be written, pictures, audio or video tape of interview with family member, etc.
4. 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.
5. Exhibit only items for the home.
6. Additional Information Needed: (1) List of steps taken to complete your project. Before and after pictures encouraged; and (2) How you acquired the item and the history of the item - may be written, pictures, audio, or video tape of interview with family member, etc.


DEPARTMENT C – DIVISION 256 – PRESERVING HEIRLOOMS

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
256	001-004		\$3.00	\$2.50	\$2.00	\$1.00
256	901-903		\$3.00	\$2.50	\$2.00	\$1.00


- SF) 001** **Trunks** (SF206) – Including doll-sized trunks or wardrobe.
 - SF) 002** **An Article** (SF205) – Either a repurposed “treasure” (accessory) from an old item or an old “treasure” (accessory) refinished or renovated. May include a display of a collection or collectibles, being careful not to destroy the value of the collection.
 - SF) 003** **Furniture** (SF205) – Either a repurposed “treasure” from an old item or an old “treasure” refinished or renovated. May include doll-sized furniture.
 - SF) 004** **Cleaned and Restored Heirloom Accessory or Furniture** (SF205) – A reconditioned and cleaned old piece of furniture or accessory that is functional for use or display. Item might be cleaned and waxed, and simple repairs made. Item would not be refinished or repainted but reconditioned to restore it to its original look or to prevent it from further damage as a valuable heirloom. Consult extension publication Care and Conservation of Heirloom Textiles, 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.
- C) 901-903 Other Item Made in this Project**

Department C – DIVISION 257 – DESIGN DECISIONS

»» DIVISION RULES – DESIGN DECISIONS

1.  **Supporting information is required ALL Home Environment exhibits. Attach information to explain steps taken to complete project. Information must also include element or principle of design used.**
See Appendix I for “Home Environment Static Project Write Up” template.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
257	001-025		\$3.00	\$2.50	\$2.00	\$1.00
257	901-905		\$3.00	\$2.50	\$2.00	\$1.00

- SF) 001** **Design board for a room** (SF201) – 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.**
- SF) 002** **Problem Solved, Energy Savers or Career Exploration** (SF201) – Identify a problem (as problem windows, storage needs, inconvenient room arrangement, cost comparison, energy conservation, waste management, etc.) OR explore a career related to home environment. (what would it be, what education is needed, what would you do, etc.) Using poster, notebook, multimedia presentation or other method, describe the problem and how it was solved OR your career exploration. (Design Decisions, p. 74-93)
- SF) 003** **Solar, wind, or other energy alternatives for the home** (SF201) – Can be models, either an original creation or an adaption of kit. If kit, label and explain what was learned and how the item could be used in or on exterior of home. (Design Decisions, p. 74-93)
- SF) 004** **Technology in Design** (SF200) – Incorporate technology into a project related to home environment; for example, using conductive thread to create a circuit that enhances a wall hanging.
- SF) 006** **Window Covering** (SF200) – May include curtains, draperies, shades, shutters, etc.
- SF) 007** **Floor Covering** (SF200) – May be woven, braided, painted floor cloth, etc.
- SF) 008** **Bedcover** (SF200) – May include quilt, comforter, bedspread, dust ruffle, or canopy. For quilts, state who did the quilting. No fleece tied exhibits. (Design Decisions, p. 50-53)
- SF) 009** **Original Needlework/Stitchery Accessory** (SF200)
- SF) 010** **2D Textile Accessory** (SF200) – Tablecloth or runner, dresser scarf, wall hanging, etc. No tied fleece blankets or beginning 10 minute table runners.
- SF) 011** **3D Textile Accessory** (SF200) – Pillows, pillow shams, fabric bowls, etc. No fleece tied exhibits.
- SF) 012** **2D Accessory** (SF200)
- SF) 013** **3D Accessory** (SF200) – String art, etc.
- SF) 014** **Original Floral Design Accessory** (SF200)
- SF) 015** **Original made from Wood Accessory** (SF200) – Burn, cut, shape, or otherwise manipulate.

- SF) 016 **Original made from Glass Accessory** (SF200) – Etch, mosaic, stain, molten or otherwise manipulate.
- SF) 017 **Original made from Metal Accessory** (SF200) – Cut, shape, punch, sculpt, reassemble, or otherwise manipulate.
- SF) 018 **Original made from Ceramic or Tile Accessory** (SF200) – Treatment to exhibit must go through process that permanently alters the medium. Painting alone is not sufficient.
- SF) 019 **Recycled/Upcycled Item for the Home Accessory** (SF207) – 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.
- SF) 020 **Recycled/Remade Furniture** (SF207) – Made or finished furniture 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.**
- SF) 021 **Wood Opaque Finish Furniture** (SF203) – Such as paint or enamel.
- SF) 022 **Wood Clear Finish Furniture** (SF203) – Showing wood grain.
- SF) 023 **Fabric Covered Furniture** (SF200) – May include stool, chair seat, slip-covers, headboard, etc.
- SF) 024 **Outdoor Living Furniture** (SF200) – Furniture which was made/refurbished and suitable for outdoor use. (NOTE: May be displayed outside). **Include description of what was done to recycle or reuse item in your attached information.**
- SF) 025 **Outdoor Living Accessory** (SF200) – Accessory which was made/refurbished and suitable for outdoor use. (NOTE: May be displayed outside). **Include description of what was done to recycle or reuse item in your attached information.**
- C) 901 **Solar Lights/Glow in the Dark** (SF200) – They are to be exhibited on the fairgrounds for view of the public. Be sure to tell Extension Staff where they are placed. Place the exhibit where you want them to be displayed when you bring them to the fairgrounds.
- C) 902-906 **Other item made in this project.**



DEPARTMENT: CONSUMER & FAMILY SCIENCE
 AREA: HUMAN DEVELOPMENT



CURRICULUM & RESOURCES

I Have What it Takes to be a Babysitter! **B I A**
 Child Development 1: Growing on My Own **B**
 Child Development 2: Growing with Others **I**
 Child Development 3: Growing in Communities **A**

»» AREA RULES – HUMAN DEVELOPMENT

1. **Requirements for Classes 1 – 6**
 - a. 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. Games must include instructions for playing the game.
 - b. Must be made by the 4-H'er. Possible purchased parts are acceptable such as dice for a grade school child to play a game, but the significant part of the exhibit must be made by the 4-H'er. Not acceptable: Items for display in child's room (which is a home environment item), container but not the contents made by the 4-H'er, or group of items assembled for a purpose but not made by the 4-H'er.
 - c. 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://go.unl.edu/babysitting>: 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>.
 - a. **Information Sheets – Each exhibit in classes 1- 6 must include the required information:**
 - i. **Where did I get the idea for this exhibit?**
 - ii. **What decisions did I make to make sure exhibit is safe for child to use?**
 - iii. **What age is this toy, game, or activity appropriate for and why? (Infant, Birth-18 months; Toddlers, 18 months-3 years; Preschoolers, 3-5 years or Middle Childhood, 6-9 yrs.) 4-H'ers must give at least 2 examples that help in understanding the appropriateness of this exhibit for the age of the child (see project manuals).**
 - iv. **How is the toy, game or activity intended to be used by the child?**

DEPARTMENT C – DIVISION 200 – HUMAN DEVELOPMENT

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
200	001-011	\$2.50	\$2.00	\$1.50	\$1.00
200	901-903	\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Social Emotional Development (SF30)**
- SF) 002** **Language and Literacy Development (SF30)**
- SF) 003** **Science (SF30)**
- SF) 004** **Health and Physical Development (SF30)**
- SF) 005** **Math (SF30)**
- SF) 006** **Creative Arts (SF30)**
- SF) 007** **Activity with a Younger Child (SF115)** – Poster or scrapbook showing 4-H'er working with a child age 0 to 8 years. May show making something with the child or other child care or child interactions. May include photos, captions, story, or essay. The size of the exhibit is your choice. Other people may take photos so that 4-H'er can be in the photo. 4-H'er must make the poster or scrapbook. No information sheet is needed for class 7.
- SF) 008** **Babysitting Kit (SF85)** – State which ONE age group (infant, toddler, preschooler, middle childhood) the kit was prepared for. The purpose of the kit is for the 4-H'er to take it with them when they baby sit in someone else's home. Do not make the kit for combination of ages or for your own family to use. See The Sitter manual (4H266 revised 2002) for appropriate items to include. 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 a box or bag suitable for what it contains. Approximate size not larger than 12" x 15"x 10". All items in the 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. 4-H'er should make one or more items in the kit, but purchased items are allowed. (It is highly suggested that an inventory list of items in the kit be included).
- SF) 009** **Family Involvement (SF115)** – Scrapbook, poster or story describing an activity the family did together. It might include making something such as a doll house or feed bunk. Items may be exhibited if desired. Other possibilities include a house or farm cleanup project, a family reunion, a celebration of a family milestone, a trip or vacation, moving, a community service project. Photographs are encouraged. Visuals should show family participation. Participation by all family members is important. Include a list of family members and what each person did to participate in the event.
- SF) 010** **Growing with Others (SF115)** – 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 interest.
- SF) 011** **Growing in Communities (SF115)** – Scrapbook, 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. Playgrounds safety check.
- C) 901-903** **Other Item Made in this Project**



ENVIRONMENTAL EDUCATION & EARTH SCIENCE



DEPARTMENT: ENVIRONMENTAL EDUCATION & EARTH SCIENCE
AREA: ENTOMOLOGY



CURRICULUM & RESOURCES



AREA RULES – ENTOMOLOGY

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

Insectigator	B	I	A
Teaming with Insects: Level 1	B		
Teaming with Insects: Level 2		I	
Teaming with Insects: Level 3			A

DEPARTMENT H – DIVISION 800 – ENTOMOLOGY

Division	Class	Pay	Purple	Blue	Red	White
800	001-002		\$2.50	\$2.00	\$1.50	\$1.00
800	003-004		\$2.50	\$2.00	\$1.50	\$1.00
800	005-008		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001 Entomology Display, First Year Project (SF186)** – Collection to consist of 25 or more different kinds (species) of insects representing at least 6 orders. Limit of one box.
- SF) 002 Entomology Display, Second Year Project (SF186)** – Collection to consist of a minimum of 50 kinds (species) of insects representing at least 8 orders. Replace damaged or poorly mounted specimens. At least 25 species must be present from after July 1 of previous year. Limit 2 boxes.
- SF) 003 Entomology Display, Third Year or More Project (SF186)** – Collection to consist of minimum of 75 kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. At Least 25 species must be present from after July 1 of previous year. Limit of 3 boxes.
- SF) 004 Special Interest or Advanced Insect Display Class IV (SF187)** – Educational display developed according to personal interests and/or advanced identification capability. This is an opportunity to highlight favorite insects in a creative arrangement. Insects should conform to pinning and mounting standards as in Classes 1-3 and be protected in an insect box. Each specialty display should include the names of the insects, interesting information about them, and why the display was made. Advanced identification collections should have insects grouped with labels that correspond with identification level (e.g., family, genus, species). A specialty collection may consist of insects by taxonomic group (e.g., butterflies, grasshoppers, dragonflies, scarab beetles) or by host, subject or habitat (e.g., insect pests of corn, aquatic insects, insect mimicry, insect galls, insects from goldenrod, insect pollinators, etc.).
- SF) 005 Insect Habitats (SF186)** – 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 describing activities must accompany the exhibit. Reports should include placement, target insect, why materials were chosen, functional design, and indicators of success. See the following resources for reports:
- Nebraska Extension NebGuide: Creating a Solitary Bee Hotel (G2256)
 - University of Minnesota: Wild Bees and Building Wild Bee Houses
 - National Wildlife Federation: How to Provide Water in Monarch Gardens
- SF) 006 Macrophotography (SF189)** – Subjects should be insects, spiders, or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be 8" x 10" or 8 ½" x 11" and mounted on rigid,

black 11" x 14" poster or mat board. Either orientation is acceptable. No frames or mat board framing is allowed. A short caption of a few sentences should explain the subject and be printed on white paper and glued below the print on the poster or mat board.

SF) 007

Insect Poster/Display Exhibits (SF190) – Exhibits can be posters or three-dimensional displays, and artistic creativity is encouraged. Posters should be no larger than 22" x 28". They should be instructional and can be attractive and have pictures, drawings, charts, or graphs. Posters and displays may show any aspect of insect life, habitat, or related conservation or management. Examples include life history and other facts about an insect; insect anatomy; how to manage insects in a farm, home, lawn, or garden setting; experiences rearing one kind of insect; survey of an important insect; insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (e.g., forests, grasslands, wetlands, rivers, or lakes) and what insects are found there, etc. Three-dimensional displays, such as dioramas, sculptures, models, or decorative boxes should have a page of explanatory information accompanying them and fit within a 22" x 28" area.

SF) 008

Reports or Journals (SF191) – Reports and journals should be in a 3-ring binder. A report may be informational, that is, an original article about a favorite insect, a history of insect outbreaks, diseases caused by insects, insects as food, etc. Or it may be a research report about an investigation or experiment done in a scientific manner. It then should have a basic introduction of the insect studied, methods used, observations, and results of the project. Tables, graphs, and images are helpful to include. A journal is an observational study over a period of time with personal impressions. It may cover watching changes in kinds of butterflies over the summer, rearing a specific insect from egg to adult, managing a beehive, observations of insects in a specific habitat, accounts of insect behavior in a forest or flower garden, etc.



DEPARTMENT: ENVIRONMENTAL EDUCATION & EARTH SCIENCE
AREA: FORESTRY



CURRICULUM & RESOURCES

Tree Identification	B	I	A
Leafing Out	B	I	A
Trees of Nebraska	B	I	A
Plant a Tree	B	I	A



AREA RULES – FORESTRY (continued)

5. At least 5 of the 10 samples in State Fair Classes 2, 3, 4, and 5 must be from the list of 60 species described in 4-H 332. If more than 10 samples are included in a display, only the first 10 samples of the current year will be judged. All samples must be from trees, NO shrubs. 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*).
6. 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 – FORESTRY

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
320	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

SF) 001

Design-Your-Own-Exhibit (SF __) – 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". Photographs, drawings, samples, charts, posters, etc. can be used, but include enough information to adequately explain the topic. Be as creative as you like.

SF) 002

Leaf Display (SF__) – The leaf display must include samples of “complete leaves” from at least 10 different trees species. The display must include at least two samples each of simple leaves, compound leaves, and conifer leaves.

- **Collection:** Whenever possible, collect leaves from mature trees. Collect leaves any time after they have reached full size, usually beginning in early summer. Leaf samples should be in good condition and representative of the average leaves on the tree. Keep in mind that shaded leaves often are much larger than normal. Carefully remove leaves from the twig with the entire petiole or rachis intact. After collection, fresh leaf samples can be temporarily stored within the pages of an old magazine, but they should be properly pressed and dried for display. Be sure to record pertinent information during collection. All collection must be done by the exhibitor.
- **Mounting:** Leaves may be displayed in a notebook or on a display board. Any method may be used to mount leaves, e.g. wire, glue, tape, staples, plastic bags, but be sure all their features can be clearly identified.
- **Labeling:** The label for each sample must include:
 - common name
 - scientific name
 - leaf type
 - leaf arrangement (broadleaf trees)
 - leaf composition (broadleaf trees)
 - collector’s name
 - collection date
 - 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 with the display to enhance its educational value.

SF) 003

Twig Display (SF__) – The twig display must include twig samples of at least 10 different trees 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 inches long and exhibit buds. Leaves must be removed, and side branches must be trimmed to less than 1 inch in length. All collection must be done by the exhibitor.
- **Mounting:** Twigs must be mounted on a display board. Any method, e.g., wire, glue, tape, staples, plastic bags, 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 pith can be seen.
- **Labeling:** The label for each sample must include:
 - common name
 - scientific name
 - leaf type
 - leaf arrangement (broadleaf trees)
 - leaf composition (broadleaf trees)
 - collector’s name
 - collection date
 - collection location (be specific, state and county at a minimum)
- **Supplemental information:** e.g., general uses, tree characteristics, etc., may be included to enhance educational value.

SF) 004

Seed Display (SF__) – The seen 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 honey locust is enclosed in a pod. Remove and display the seed, not just the pod. It is acceptable to display the fruit with the seed, but clearly label each. All collection must be done by the exhibitor.

- **Mounting:** Seeds may be displayed in a variety of ways, e.g., mounted on a display board, displayed in jars in a rack, etc. but they must be securely mounted and easily viewed. Be as creative as you like.
- **Labeling:** The label for each sample must include:
 - common name
 - scientific name
 - leaf type
 - leaf arrangement (broadleaf trees)

- leaf composition (broadleaf trees)
- collector's name
- collection date
- collection location (be specific, state and county at a minimum)
- Supplemental information: e.g., maturity date, average number of seeds in the fruit, etc., may be included to enhance educational value.

SF) 005

Wood Display (SF__) – The wood display must include wood samples 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 inch X 4 inch X 4 inch. Cut surfaces should be sanded to show the grain. Treating samples with a clear finish (no stain) is optional. All collection must be done by the exhibitor.
- Mounting: Samples may be displayed in a variety of ways, e.g., mounted on a display board, displayed in a box or rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.
- Labeling: The label for each sample must include:
 - common name
 - scientific name
 - wood type (softwood or hardwood)
 - collector's name
 - collection date
 - collection location (be specific, state and county at a minimum)
- Supplemental information, e.g., common products, wood density, etc., may be included to enhance its educational value.

SF) 006

Cross Section (SF__) – Display a disc cut from a tree, species listed in 4H 332. The sample must be collected, by the exhibitor, within one year of the state fair judging day. The disc must measure 6 to 12 inches in diameter and 1 to 3 inches thick. The bark should be firmly attached, which may be difficult if the tree was dead when the disc was cut. Sand at least one side of the disc so the grain can 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 Front: The following parts must be clearly and accurately labeled on the cross section with pins, paper tags, or some other form of identification.
 - Pith
 - Heartwood
 - sapwood
 - one growth ring (beginning and end)
 - cambium
 - bark
- Labeling Back: A separate label attached to the back of the disc must include:
 - common name
 - scientific name
 - tree classification (softwood or hardwood)
 - age (of the cross section)
 - collector's name
 - collection date
 - collection location (be specific state and county at a minimum)

SF) 007

Parts of a Tree (SF__) – Prepare a poster, no larger than 24 inches x 24 inches.  **This project is only for ages 8 – 11.**

- Identifies the main external parts of any tree:
 - Trunk
 - Crown
 - Roots
 - Leaves
 - Flowers
 - Fruit
 - Buds
 - Bark
- Identifying other internal parts, e.g. phloem, xylem, cambium, annual ring, pith, etc., is optional.
- Attach a separate label on the back that includes the exhibitor's name and age.

SF) 008

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

- Labeling: A waterproof label must be attached and include:
 - common name
 - scientific name
 - seed treatments (if any)
 - planting date
 - emergence date
 - 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.

SF) 009

Forest Product Display – Prepare a visual display and/or collection tracing the origin of one non-lumber product that comes from trees and/or forests. The display must be no larger than 24 inches by 22 inches by 28 inches. Photographs, drawings, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 22" x 28" and may be either vertical or horizontal. The contestant must identify what species of tree the product is derived from and where the product is harvested, grown, or otherwise collected. The product listed must be partially or fully derived from trees, if partial the approximate percentage should be articulated in the display.

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

SF) 010

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

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

SF) 011

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

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

SF) 012

Sustainable Landscape Diorama - Box must be no larger than 24" x 24". The exhibit must show a Nebraska landscape that includes elements such as windbreaks, fields, pastureland, CRP, public lands, community/municipal landscapes. The goal of this exhibit is for students to articulate conservation and sustainability best-practices that can be implemented on a landscape, while addressing landowner and other stakeholder interests.

- Label point/nonpoint sources of pollution, carbon sequestration, water-wise practices, wildfire prevention strategies, renewable energy sources, and other conservation practices as well as at least 10 species of plants included in the diorama.
- Attach to the exhibit a brief report including supplemental information describing the diorama, defining conservation practices, and outlining opportunities for landscape improvements to enhance educational

value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

SF) 013

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


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



DEPARTMENT: ENVIRONMENTAL EDUCATION & EARTH SCIENCE
AREA: SHOOTING SPORTS



AREA RULES – SHOOTING SPORTS

1. The following classes are exclusively for youth enrolled in the Shooting Sports project(s). 4-H Shooting Sports requires youth to be under the direct leadership of a certified 4-H Shooting Sports Leader in either shotgun, rifle (bb gun), archery, pistol, black powder/muzzleloader, and/or hunting skills.
2.  **All shooting sports project must include a one sided 4 x 6 card securely attached describing: (1) The project and how it applies to shooting sports; (2) Experience gained in making the project, and (3) How the project will be used.**
3. No firearms can be entered as an exhibit, however information can be shared through pictures.
4. Any exhibit that is deemed dangerous or improperly prepared will be refused entry, based on the decision of the General Areas Superintendent and Extension Staff.

DEPARTMENT D – DIVISION 347 – SHOOTING SPORTS

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	347	001-010		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	Shooting Aid or Accessory (SF1253) – 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.						
SF) 002	Storage Case (SF254) – 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.						
SF) 003	Practice Game or Activity (SF255) – Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials for 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.						
SF) 004	Science, Engineering, Technology Advancements of Shooting Sports Essay, or Display (SF256) – 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.						
SF) 005	Healthy Lifestyles Plan (SF257) – 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.						
SF) 006	Citizenship/Leadership Project (SF258) – 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.

- SF) 007 Career Development/College Essay, Interview or Display (SF252)** – 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.
- SF) 008 Community Vitality Display (SF251)** – 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.
- SF) 009 Ag Literacy-Value Added Agriculture Interview or Research Project (SF250)** – 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: ENVIRONMENTAL EDUCATION & EARTH SCIENCE
AREA: WILDLIFE



CURRICULUM & RESOURCES

Amphibians and You	B	I	A
Bird Behavior	B	I	A
Fishing 1: Take the Bait	B		
Fishing 2: Reel In the Fun		I	
Fishing 3: Cast Into the Future			A
Wildlife Conservation 1: The Worth of Wild Roots	B		
Wildlife Conservation 2: Living Wild in An Ecosystem		I	
Wildlife Conservation 3: Living in A World With You and Me			A



AREA RULES – WILDLIFE

1. **SHOW WHAT YOU DID AND LEARNED:** All exhibitors must show evidence of their personal field experiences, study or observations that relate to their exhibit. This helps judges understand what the 4-Her did and learned in the process that led to the exhibit.
2. **PROPER CREDIT:** Show proper credit by listing the sources of plans or other supporting information used in exhibits.
3. **WHOSE EXHIBIT:** The exhibitor's name, county, age must be on the back or bottom of all displays.
4. **WILDLIFE & WILDLIFE LAWS:** "Animal" or "wildlife" in the following classes includes wild fish, amphibians, reptiles, birds, or mammals. Please make sure you are following all wildlife laws.
5. **PROJECT MATERIALS -** Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 59381), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H125), Geology, and Outdoor Adventure. Other resources include: Outdoor Skills: Learning Science in the Outdoors series (Science Signature Outcome Program) outdoornebraska.gov/afterschool/ and www.whep.org.
6. **BOARD AND POSTER EXHIBITS –** Mount all board exhibits on 1/4" plywood, Masonite or similar panel no larger than 24" high by 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. Exhibits should be as self-explanatory as possible so that all viewers understand the educational points or what the exhibit is all about. Written explanations should be short but clear and complete so the viewer can quickly and easily understand the message and purpose of the display.

»» DIVISION RULES – WILDLIFE

- Classes 1 – 4 “Wildlife and How they Live” 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 (examples: when nesting, finding food, moving, etc.) habitats (example: grasslands, wetlands, river or stream corridors) and what wildlife is found there; habitat needs for a specific kind of wildlife.


Division	Class	Pay	Purple	Blue	Red	White
340	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

2

- SF) 001** **Mammal Display** (SF154)
- SF) 002** **Bird Display** (SF154)
- SF) 003** **Fish Display** (SF155)
- SF) 004** **Reptile or Amphibian Display** (SF156)
- SF) 005** **Wildlife Connections** (SF157) – Board or poster exhibit. The purpose of this display is to show interconnections and related aspects among animals, plants and other habitat components. All displays should show two or more interactions connections) that occur between/among animals or between animals and their habitat. Displays might show how animals interact with other animals, with people or with their habitat. Examples: 1) Food chain display – Use pictures, drawings or other items to illustrate the source of food energy and where it goes, who eats who 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 booklets.
- SF) 006** **Wildlife Tracks** (SF158) – Board or diorama-type exhibit. Make a display of animal tracks using plaster-of-paris casts. There are three options. 🖐️ **For all options, include a brief description of your experiences in making the tracks so the judge(s) better understand what you did and learned.** Positive casts (impressions as they would be in nature) are preferred.
 - Option 1: 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: Show two or more plaster-of-paris track of one specific kind of wildlife and should include a picture of illustration of the animal, what the animal may eat and what may eat the animal.
 - Option 3: 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.
- SF) 007** **Wildlife Knowledge Check** (SF159) – Use electrical circuits, pictures or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and display; maximum size 24” x 24”. Example: prepare a list of animals and questions about where each would most likely live. Rabbit-brushy areas along field borders; ducks-marshes, etc.
- SF) 008** **Wildlife Diorama** (SF160) – Exhibit must be no larger than 24” x 24”. The exhibit might show a prairie, grassland, agricultural, woodland, riparian (stream or river corridor), wetland and/or other area with wildlife habitat. Example: show an area interspersed with several habitats such as windbreaks, farm fields, woods, waste areas, ditches and pastures for edge-adapted species such as white-tailed deer, Northern bobwhite, ring-necked pheasants, mourning doves, cottontail rabbits, fox, squirrels, Northern cardinals or blue jays. 🖐️ **Label the habitats displayed and show at least five kinds of wildlife in their proper habitats.**
- SF) 009** **Wildlife Essay** (SF161) – Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife (commercial value, game value, genetic value, aesthetic value, ecological value, scientific value). You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder or at other places. You might write about ethics, proper behavior in the outdoors, hunting, or fishing. For other ideas, refer to project booklets. The essay should be between 100 and 1000 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.

SF) 010 Wildlife Values Scrapbook (SF162) – Make a scrapbook about the various values of wildlife. This would include aesthetic, scientific, commercial, game, genetic, and/or ecological. One resource would be the Wildlife Conservation project manual. (4-h125)

SF) 011 Wildlife Arts (SF163) – The purpose of this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, wood carvings, painted duck decoys of 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 a brief explanation of the purpose or message (what is the exhibit meant to show).**

DEPARTMENT D – DIVISION 342 – WILDLIFE HABITAT

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	342	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	Houses (SF165) – Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size, etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, 3) any seasonal maintenance needed and 4) any evidence of your personal observation or experiences.						
SF) 002	Feeders/Waters (SF166) – Make a bird bath or feeder. Examples: seed, suet or nectar feeders. Squirrel feeder okay; no insect feeders. Include the following information: 1) the kinds of animal(s) for which the water/feeder is intended, 2) where are how the water/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences.						
SF) 003	Wildlife Habitat Design (SF167) – Board or poster exhibit. Choose a backyard, acreage or farm and design a habitat plan to meet the food, water, and 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 (NE4H4300).						

DEPARTMENT D – DIVISION 343 – HARVESTING EQUIPMENT

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	343	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	Fish Harvesting Equipment (SF168) – Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), and lures. Label all items displayed. Include in your exhibit the following information: 1) the purpose of each item, 2) when or where each item is used and 3) any personal experiences you've had with the item(s).						
SF) 002	Build a Fishing Rod (SF169) Rod kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches length. Exhibit must be mounted on a board. Include with the exhibit the following items as a brief attachment: 1) explanation of cost of materials/components, where materials/components were purchased, how made, and number of hours required for construction. 2) Label all parts. Necessary components which must be included are grip, line guides (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibit will be judged on: workmanship, labeling of parts, correct information, and neatness.						
SF) 003	Casting Target (SF170) – Make a casting target for exhibit and use. Target must be under 48x48 inches. The bullseyes must be 2 feet, outer band must be 1 foot in diameter and can have up to 3 rings. The exhibit must be easy to store, durable, and weather resistant. Include the purpose and rules of using your casting target.						
SF) 004	Wildlife Harvesting Equipment (SF171) – Board exhibit. Display of equipment used in harvesting wildlife. Examples: expanded ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles or bows, use drawings or pictures. Label all items displayed: the purpose of each item, when or where it is used and any personal experiences you've had with the item(s).						
SF) 005	Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory (SF171) – 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

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
346	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

SF) 001 **Tanned Hides** (SF172) – 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.

SF) 002 **Taxidermy** (SF172) – Any legal fish, bird or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information: o the animal's name and o information about the exhibitor's personal field experiences, study or observations that relate to the exhibit.

DEPARTMENT D – DIVISION 361 – OTHER NATURAL RESOURCES

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
361	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

SF) 001 **Design your Own Exhibit** (SF167) – This class is for educational exhibits about natural resources, conservation, wildlife, or ecology that do not fit into other categories. Examples may come from the Exploring Your Environment series, or the exhibitor may determine what the exhibit will be. 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 purposes 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.



HEALTHY LIFESTYLES



DEPARTMENT: ENVIRONMENTAL EDUCATION & EARTH SCIENCE
AREA: FOOD & NUTRITION



CURRICULUM & RESOURCES

4-H Cooking 101	B		
4-H Cooking 201		I	
4-H Cooking 301		I	
4-H Cooking 401			A
Let's Preserve: Canning Basics	B	I	A
Let's Preserve: Vegetables and Vegetable Products	B	I	A
Let's Preserve: Fruits and Fruit Products	B	I	A
Let's Preserve: Tomatoes and Tomato Products	B	I	A
Let's Preserve: Fermented and Pickled Products	B	I	A
Let's Preserve: Jams, Jellies and Preserves	B	I	A
USDA Complete Guide to Home Canning	B	I	A
4-H Cake Decorating Units 1-3	B	I	A
4-H Cake Decorating Units 4-6	B	I	A



AREA RULES – FOOD EXHIBITS

- Youth can ONLY enter exhibits into ONE Cooking Division (Cooking 101, 201, 301, or 401).**
 - Youth enrolled in cooking projects should continue their skill development. Once they have exhibited in a higher level, they are not eligible to exhibit in a lower level. Ex. Once you exhibit in Cooking 201, you are not eligible to exhibit in Cooking 101.
- Food Entries: Each exhibit must include the recipe. Recipe can be handwritten, typed or photocopied. Place the food on the appropriate size disposable plate or pan. Put exhibit in a self-sealing bag. Attach entry tag and recipe at the corner of the bag on the outside.**
- Non-Food Entries: Please attach the entry tag to the upper right-hand corner of the entry. All additional information pieces (recipes, special items) must be labeled with exhibitor's name and county.**
- Recipes for processed foods used by 4-H members for fair exhibition (except salsa) may originate from any source. However, all processed/preserved food products MUST use USDA approved processing methods.
- Allowable Ingredients
 - 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 dough 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.
 - 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.
 - Commercially prepared mixes are ONLY allowed in Cooking 201 Creative Mix Class.
 - Any bread item prepared or baked using a bread machine should be entered under the Cooking 201, Non-Traditional Baked Product. All exhibits made in the Cooking 301 or Cooking 401 projects must have been prepared without the assistance of a bread machine for mixing, raising, or baking of the food item.
 - A standard quick bread pan measures 8" x 5". If mini-loaf pans are used for exhibit, two loaves must be presented for judging.
- Non-Food exhibits 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 a binder, an exhibit display, a written report in portfolio or notebook. Consider neatness and creativity.

DEPARTMENT E – DIVISION 350 – GENERAL


	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	350	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	Food Science Exploration (SF152) – 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.						
SF) 002	Foods and Nutrition Poster, Scrapbook, or Photo Display (SF122) – Open to any 4-H'er enrolled in a Foods and Nutrition project, involving a nutrition or food preparation explore a career related to the food industry. This might contain pictures, captions, and/or reports to highlight the concept.						
SF) 003	Physical Activity and Health Poster, Scrapbook, or Photo Display (SF122) – Open to any 4-H'er enrolled in a Foods and Nutrition project, involving physical activity or career related to physical activity or health. This might contain pictures, captions, and/or reports to highlight the concept.						
SF) 004	Cooking Basics Recipe File (SF251) A collection of 10 recipes from any source. Each recipe must accompany a complete menu in which the recipe is used. An additional 10 recipes may be added each year the 4-H'er is in the project, with year clearly marked on recipes. Display in a recipe file or binder. Be sure to include the number of servings or yield of each recipe. This may be a continued recipe file project from the previously used 4-H curriculum before 2018. Exhibits that include recipes with alcohol will be disqualified.						

DEPARTMENT E – DIVISION 401 – COOKING 101

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	409	All Classes		\$1.75	\$1.50	\$1.25	\$1.00
C) 901	Cookies –(any recipe) 4 on a small paper plate						
C) 902	Muffins – (any recipe) 4 on a small paper plate						
C) 903	Drop Cookie – any cookie recipe dropped from a spoon or scoop, or formed into balls that are flattened before baking)- 4 on a small paper plate						
C) 904	Rolled Cookie – any cookie recipe requiring chilling dough, rolling out, and cutting into shapes before baking)- 4 on a small paper plate						
C) 905	Refrigerator Cookie – any cookie recipe requiring chilling dough, in shaped rolls, then slicing before baking) – 4 on a small paper plate						
C) 906	Bar Cookie – any cookie recipe requiring made in a pan and cut into bars or squares before serving)– 4 on a small paper plate						
C) 907	Filled Cookie – any cookie recipe with filling made from non-perishable ingredients, including jellies, jams, fruits, or candies)– 4 on a small paper plate						
C) 908	Extra Muffins (any recipe) – 4 on a small plate						
C) 909	Cooking 101 Food Flop – Exhibit one food item illustrating a preparation problem. Flop may result of an intentional or accidental mistake. One sheet of 8 ½ x 11 paper explain the preparation problem(s) experienced and how it could be overcome.						
C) 910	Other Item Made in this Project						

DEPARTMENT E – DIVISION 410 – COOKING 201

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	410	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	Loaf Quick Bread (SF123) – any recipe, at least ¾ of a standard loaf displayed on a paper plate) Quick bread is any bread that does not require kneading or rising time and does NOT include yeast. A standard quick bread loaf measures approximately 8 ½" x 4 ½" or 9" x 5". If mini-loaf pans are used for exhibit, two loaves must be presented for judging.						
SF) 002	Creative Mixes (SF142) – Any recipe, at least ¾ of baked product or 4 muffins/cookies on a paper plate. Baked item made from a mix (commercial or homemade mixes acceptable). Food product must have been modified to make a new or different baked item. (Ex. Poppy seed Quick Bread from a cake mix, cake mix cookies, and sweet rolls made from ready-made 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?						
SF) 003	Biscuits or Scones (SF136) – Four biscuits or scones on a plate. This may be any type of biscuit – rolled, dropped any recipe. <u>Recipe must be a non-yeast product baked from scratch.</u>						




- SF) 004** **Healthy Baked Product** (SF2012-001) – Any recipe, at least 3/4 of baked product or 4 muffins/cookies on a paper plate. May be baked in a disposable pan.) Recipe must contain a fruit or vegetable as part of the ingredients (Ex. banana bars, cantaloupe quick bread, zucchini muffins, etc.).
- SF) 005** **Coffee Cake** (SF129) – Any recipe or shape, non-yeast product - at least 3/4 of baked product. May be baked in a disposable pan.)  **Include menu for a complete meal where this recipe is served, following meal planning guidelines suggested in Cooking 201.**
- SF) 006** **Baking with Whole Grains** (SF134) – Any recipe, at least 3/4 of baked product or 4 muffins/cookies on a paper plate. May be baked in a disposable pan. Recipe must contain whole grains as part of the ingredients. (Ex. whole wheat applesauce bread, peanut butter oatmeal cookies, etc.)
- SF) 007** **Non-Traditional Baked Product** (SF133) – Exhibit must include a food product prepared using a non-traditional method (i.e., bread machine, cake baked in air fryer, baked item made in microwave, etc.) Entry must be at least 3/4 baked product, or 4 muffins or cookies on a paper plate.
- C) 901** **Cooking 201 Food Flop**– Exhibit one food item illustrating a preparation problem. Flop may results of an intentional or accidental mistake. One sheet of 8 1/2 x 11 paper explain the preparation problem(s) experienced and how it could be overcome.
- C) 902** **Other Item Made in this Project**

 **Entry must include supporting information that discusses alternative preparation method and how it compares with traditional method.**

DEPARTMENT E – DIVISION 411 – COOKING 301

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	411	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	White Bread (SF138) – Any yeast recipe, at least 3/4 of a standard loaf displayed on a paper plate.						
SF) 002	Whole Wheat or Mixed Grain Bread (SF138) – Any yeast recipe. At least 3/4 of a standard loaf is displayed on a plate.						
SF) 003	Specialty Rolls (SF138) – Any yeast recipe. 4 rolls on a plate. May be sweet rolls, English muffins, kolaches, bagels, or any other similar recipe that makes individual portions.						
SF) 004	Dinner Rolls (SF138) – Any yeast recipe. 4 rolls on a plate. May be clover leaf, crescent, knot, bun, bread sticks, or any other type of dinner roll.						
SF) 005	Specialty Bread (SF141) – Any yeast recipe, includes 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.						
SF) 006	Shortened Cake (SF137) – At least 3/4 of the cake. Shortened cakes use fat for flavor and texture and recipes usually begin by beating fat with sugar by creaming and include leavening agents in the recipe. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frostings allowed). <u>Exhibit must not be from a cake mix.</u>						
C) 901	Cooking 301 Food Flop – Exhibit one food item illustrating a preparation problem. Flop may results of an intentional or accidental mistake. One sheet of 8 1/2 x 11 paper explain the preparation problem(s) experienced and how it could be overcome.						
C) 902	Other Item Made in this Project						

DEPARTMENT E – DIVISION 412 – COOKING 401

	<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
	412	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	Double Crust Fruit Pie (SF144) – Made with homemade fruit filling. No egg pastries or cream fillings. No canned fillings or premade pie crusts. May be a double crust, crumb, cut-out, or lattice topping. Using an 8- or 9-inch disposable pie pan is recommended.						
SF) 002	Family Food Traditions (SF145) – 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, (C) where or who the traditional recipe came from.						
SF) 003	Ethnic Food Exhibit (SF146) – 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.						
SF) 004	Candy (SF147) – Any recipe, 4 pieces of candy on a paper plate or 1/2 cup. No items containing cream cheese will be accepted (Example: cream cheese mints). Candy may be cooked or no cook; dipped, molded, made in the microwave or other methods of candy preparation.  Recipe must be included.						

- SF) 005** **Foam Cake** (SF138) – Original recipe (no mixes) of at least $\frac{3}{4}$ of the cake. Foam cakes are cakes that have a high ratio of eggs to flour and fall into three categories: angel food cakes or meringues; sponge or jelly roll cakes; and chiffon cakes. Cake may be frosted with a non-perishable frosting (no cream cheese or egg white based frostings allowed).
- SF) 006** **Specialty Pastry** (SF143) – Any recipe, at least $\frac{3}{4}$ of baked product or 4 muffins or cookies on a paper plate. May be baked in a disposable pan. Baked items such as pie tarts, puff pastry, phyllo doughs, biscotti, choux, croissants, Danish, strudels. Phyllo dough may be pre-made or from scratch. Pastries made with cream or egg-based fillings will be disqualified.
- C) 901** **Cooking 401 Food Flop**– Exhibit one food item illustrating a preparation problem. Flop may results of an intentional or accidental mistake. One sheet of 8 ½ x 11 paper explain the preparation problem(s) experienced and how it could be overcome.
- C) 902** **Other Item Made in this Project**


DEPARTMENT E – DIVISION 407 – FOOD PRESERVATION

»»» DIVISION RULES – FOOD PRESERVATION


1. 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 canner. (Tomatoes may be processed in a pressure canner.) All non-acid vegetables and meats must be processed in a pressure canner. Spoiled or open container disqualifies an entry.
2. Jars and Lids: Do not need to be the same brand. Half pint jars may be used for jellies and preserves. The jars are not to be decorated by the exhibitor in any way. Canning jars must be used - others will be disqualified. No one-fourth pint jars allowed. Leave jar rings on for fair display, it helps protect the seal. Two-piece lids consisting of a flat metal disk and a ring should be used. No zinc lids or one-piece lids.
3. Current Project – All canning must be the result of this year's 4-H project, since September 1, of the previous calendar year.
4. Criteria for Judging: Exhibits will be judged according to score sheets available at your local Extension office or at <https://4hfairbook.unl.edu/fairbookview.php/rules>. Incomplete exhibits will be lowered a ribbon class. Canned food items not processed according to altitude in the county will be lowered one class ribbon. Check with your local extension office or this site <https://food.unl.edu/canning#elevation> for your county's altitude and how that affects food processing times and pounds of pressure.
5. Labeling: Jars should be labeled with the name of the food item, name of the 4-H'er, county, and date of processing on the bottom of each jar. Exhibits containing multiple jars such as a "3 jar exhibit" should be placed in a container to keep jars together. Each bag containing dried foods should also be labeled with the name of the food item, the name of the 4-H'er, county and drying date. Multiple dried food exhibits should be secured by a rubber band or "twisty" to keep exhibit containing the 3 self-sealing bags together.
6. Recipe/Supporting Information: Recipe must be included, and may be handwritten, photocopied or typed. Commercially prepared seasoning mixes are not allowed. Current USDA guidelines for food preservation methods MUST be followed. Suggested sources of recipes include:
 - a. 4-H Food Preservation Manuals (Freezing, Drying, Boiling Water Bath Canning, Pressure Canning)
 - b. USDA Guide to Home Canning https://nchfp.uga.edu/publications/publications_usda.html
 - c. Nebraska Extension's Food Website <https://food.unl.edu/food-safety>: or Extension publications from other states
 - d. Ball Blue Book (published after 2009) or online: <https://www.freshpreserving.com/recipes>
7. All exhibits must include the 4-H Food Preservation Card attached to the project as the required supporting information or include following information with exhibit:
 - a. Name of product • Date preserved.
 - b. Method of preservation (pressure canner, water bath canner or dried)
 - c. Type of pack (raw pack or hot pack)
 - d. Altitude (and altitude adjustment, if needed)
 - e. Processing time
 - f. Number of pounds of pressure (if pressure canner used)
 - g. Drying method and drying time (for dried food exhibits)
 - h. Recipe and source of recipe (if a publication, include name and date)

FREEZING PROJECT MANUAL – UNIT I

Division	Class	Pay	Purple	Blue	Red	White
407	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

- SF)** **001 Baked Item Made with Frozen Produce (SF155)** – 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 include a food item preserved by the freezing method done by the 4-H'er. Ex. Peach pie, blueberry muffins, zucchini bread, etc.).  **Supporting information must include both the recipe for the produce that was frozen as part of this project AND the baked food item.**


DRYING PROJECT MANUAL – UNIT II

- SF) 002** **Dried Fruit (SF154)** – Exhibit 3 different examples of dried fruit. Place each dried fruit food (6-10 pieces of fruit, minimum 1/4 cup) in a self-sealing bag.
- SF) 003** **Fruit Leather (SF154)** – Exhibit 3 different examples of fruit leathers. Place a 3" – 4" sample of each leather in self-sealing bags.
- SF) 004** **Vegetable Leather (SF154)** – Exhibit 3 different examples of vegetable or vegetable/fruit leathers. Place a 3" – 4" sample of each leather in self-sealing bags.
- SF) 005** **Dried Vegetables (SF149)** – Exhibit 3 different samples of dried vegetables. Place each food (1/4 cup of each vegetable) in a separate self-sealing bag.
- SF) 006** **Dried Herbs (SF149)** – Exhibit 3 different samples of dried herbs. Place each food (1/4 cup of each herb) in a separate self-sealing bag.
- SF) 007** **Baked Item Made with Dried Produce/Herbs (SF156)** – 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 include a dried produce/herb item made by the 4-H'er. Ex. Granola bar made with dried fruits, dried cranberry cookies, Italian herb bread, lemon thyme cookies.  **Supporting information must include both the recipe for the dried produce/herb AND the baked food item.**

BOILING WATER CANNING PROJECT MANUAL – UNIT III

- SF) 008** **1 Jar Fruit Exhibit (SF150)** – 1 jar of canned fruit.
- SF) 009** **3 Jar Fruit Exhibit (SF150)** – 3 jars of different canned fruits. May be 3 different techniques for same type of product (applesauce, canned apples, apple pie filling, etc.).
- SF) 0101** **Jar Tomato Exhibit (SF150)** – 1 jar of a canned tomato product.
- SF) 011** **3 Jar Tomato Exhibit (SF150)** – Exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.).
- SF) 0121** **Jar Pickled Exhibit (SF150)** – 1 jar of a pickled and/or fermented product.
- SF) 013** **3 Jar Pickled Exhibit (SF150)** – Exhibit 3 jars of different kinds of canned pickled and/or fermented products.
- SF) 0141** **Jar Jelled Exhibit (SF153)** – 1 jar of jam, jelly, or marmalade.
- SF) 015** **3 Jar Jelled Exhibit (SF153)** – 3 different kinds of jellied products. Entry may be made up of either pints or half pints (but all jars must be the same size).

PRESSURE CANNING PROJECT MANUAL – UNIT IV

- SF) 016** **1 Jar Vegetable or Meat Exhibit (SF150)** – 1 jar of a canned vegetable or meat.
- SF) 017** **3 Jar Vegetable Exhibit (SF150)** – 3 jars of different kinds of canned vegetables.
- SF) 018** **3 Jar Meat Exhibit (SF150)** – 3 jars of different kinds of canned meats.
- SF) 019** **Quick Dinner (SF1541)** – Exhibit a minimum of 3 jars to a maximum of 5 jars (all the same size) plus menu. The 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.**
- SF) 0201** **Jar Tomato Exhibit (SF150)** – 1 jar of a canned tomato product.
- SF) 021** **3 Jar Tomato Exhibit (SF150)** – Exhibit 3 jars of different canned tomato products (salsa, sauces without meats, juice, stewed, etc.).
- C) 901** **Food Gift**– Prepare and package a food gift (for human consumption) creatively. The food item must be made by the 4-H Member. Examples: Cookies in a decorative tin, etc.

DEPARTMENT E – DIVISION 414 – CAKE, COOKIES, AND CUPCAKES DECORATING

»» **DIVISION RULES – CAKE DECORATING & CANDY**

1. Cakes may be flat, cut up, or layer types. Decorated cakes and gingerbread houses are considered two different types of entries.
2. Cake will NOT be tasted by the judge.
3. All decorations must be constructed by the exhibitor, no purchased pre-made icing decorations allowed. All decorations must be edible (with the exclusion of plastic/wooden rods and pins used for support).
4. 4 Pieces of CANDY on a paper plate in a plastic bag
5. No Commercial mixes allowed for CANDY.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
414	All Classes	1	\$2.50	\$2.00	\$1.50	\$1.00

DEPARTMENT E – DIVISION 414- Beginning Cake Decorating (1-2 years in project)

- C) 901** **Graham Cracker Gingerbread House-** (SF__) – First year exhibitors ONLY. Must be made of graham crackers with edible items. Base shall not exceed 12”
- C) 902** **Decorated Gingerbread House** (SF__) – Must be made of gingerbread with edible items and parts. Base shall not exceed 12”.
- C) 903** **Decorated Cake (without the use of tips)** (SF__) – Show creativity by using cookies, candies, chocolate chips, etc. to decorate cake for specific party or theme.
- C) 904** **Decorated Cake (with use of tips)** (SF__) – Cake decorated with two different style decorating tips, any size.
- C) 905** **Decorated Cake (with the use of fondant)** (SF__) – Cake decorated primarily with the use of fondant.
- C) 906** **Decorated Cookies** (SF__) – Plate of 4 cookies. Cookies may be homemade or purchased by 4-H member.
- C) 907** **Decorated Cupcakes** (SF__) – Plate of 4 cupcakes. Cupcakes may be homemade or purchased by 4-H member.
- C) 908** **Decorated Cupcakes (with the use of fondant)** (SF__) – Plate of 4 cupcakes decorated primarily with the use of fondant. Cupcakes may be homemade or purchased by the 4-H member.

DEPARTMENT E – DIVISION 414- Advanced Cake Decorating (3 or more years in project)

- C) 909** **Decorated Gingerbread House** (SF__) – Must be made of gingerbread with edible items and parts. Base shall not exceed 12”.
- C) 910** **Decorated Cake (without use of tips)** (SF__) – Show creativity by using cookies, candies, chocolate chips, etc. to decorate cake for specific party or theme.
- C) 911** **Decorated Cake (with use of tips)** (SF__) – Cake decorated with two different style decorating tips, any size.
- C) 912** **Decorated Cake (with use of fondant)** (SF__) – Cake decorated primarily with the use of fondant.
- C) 913** **Decorated Cookies** (SF__) – Plate of 4 cookies. Cookies may be homemade or purchased by 4-H member.
- C) 914** **Decorated Cupcakes** (SF__) – Plate of 4 cupcakes. Cupcakes may be homemade or purchased by 4-H member.
- C) 915** **Decorated Cake (with use of fondant)** (SF__) – Plate of 4 cupcakes decorated primarily with the use of fondant. Cupcakes may be homemade or purchased by the 4-H member.

DEPARTMENT E – DIVISION 414- CANDY

- C) 920** **Fudge, any kind** (SF__) – Made from Scratch. Plate of 4 on plate in plastic bag
- C) 930** **Brittle, any nut** (SF__) – Plate of 4 on plate in plastic bag.
- C) 940** **Miscellaneous Candy** (SF__) – Plate of 4 on plate in plastic bag.



DEPARTMENT: HEALTHY LIFESTYLES
 AREA: PHYSICAL FITNESS



CURRICULUM & RESOURCES

Youth in Motion (4H5100) – Intermediate

1

DEPARTMENT E – DIVISION 300 – YOUTH IN MOTION

	Division	Class	Pay	Purple	Blue	Red	White
	300	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
C) 901	Poster, Scrapbook, or Photo Display (SF122) – Exhibit about the 4-H'er or the family involved in a physical activity or concept/lesson involving this project. This might contain pictures, captions, and/or reports about the physical activity the individual or family did as a result of taking this project.						
C) 902	Activity Bag (SF258) – A duffel bag or backpack that the 4-H'er packs so that they are always prepared to be active and make healthy food choices. May include proper workout attire, a healthy beverage or snack, a notebook or goal sheet, etc. Make sure all items are clean and clearly labeled and an explanation of why it is included in the Activity Bag. <u>Do not put valuable items (i.e. electronics) in Activity Bag, instead use a picture of the item or include in the listing of items.</u>						
C) 903	Healthy Snack Recipe File (SF251) – Collection of 10 recipes from any source. Each recipe must accompany a complete snack menu in which the recipe is used, following the idea that a healthy snack includes foods from at least two different food groups. An additional 10 recipes may be added each year 4-H'er is in the project, with year clearly marked on recipes. Consider creativity and neatness. Display in recipe file or in a binder. Be sure to include the number of servings or yield of each recipe.						
C) 904	Healthy Lifestyle Interview (SF130) – Interview someone in your life that you admire that is physically active or has a healthy lifestyle. Why do they enjoy their exercise program or lifestyle choices? What are their goals? Why do you admire them? Maximum of two pages, one sided. Consider creativity and neatness. Mount on colored paper or poster board or display in binder. Include a picture of the person interviewed. The overall size of the mounted exhibit should be no larger than 9 X 12 inches.						
C) 905	Healthy Snack (SF125) – See ideas for non-perishable snacks on page 36. Four cookies, bars, muffins, etc., on a paper plate, or at least 1 cup of mix. (Examples might include: granola bars, homemade crackers, or chips.) Supporting information to include recipe and snack menu, and why this snack menu might be considered a healthy snack.						
C) 906-908	Other Item Made in this Project						



DEPARTMENT: HEALTHY LIFESTYLES
 AREA: SAFETY



CURRICULUM & RESOURCES

Citizen Safety

B



1

Design my Place

B

DEPARTMENT E – DIVISION 440 – SAFETY



	Division	Class	Pay	Purple	Blue	Red	White
	440	All Classes		\$2.50	\$2.00	\$1.50	\$1.00
SF) 001	First Aid Kit (SF110) – A first aid kit is a good way to organize supplies in an emergency. The kit should be assembled in a container appropriate for 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. (Citizen Safety, p. 6-7) <ul style="list-style-type: none"> • Kits containing any of the following will be automatically disqualified: <ul style="list-style-type: none"> ○ Prescription medications. (If the kit's purpose is to provide medication for someone with special needs, explain in the written description and inventory, but remove the medication.) ○ Materials with expiration dates on or before the judging date. ○ Any controlled substance. 						
SF) 002	Disaster Kit (SF111) – Emergency Preparedness Disaster kits must contain the materials to prepare a person or family for emergency conditions caused by a natural or man-made incident. Selection of materials is left to the exhibitor. Family or group kits must have enough material or items for each person.						

 **A description of the kit's purpose, the number of people supported, and a list of contents 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.**

- SF) 003** **Safety Scrapbook** (SF292) – The scrapbook must contain 15 news articles from print and/or internet sources about various incident types. Mount each clipping on a separate page accompanied by a description of events leading to the incident and any measures that might have prevented it. The Scrapbook should be bound in a standard size hardcover binder or notebook for 8 ½" X 11" size paper. Correct sentence structure, readability and thorough explanations are an important part of judging.
- SF) 004** **Safety Experience** (SF190) – 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.
- SF) 005** **Careers in Safety** (SF191) – The exhibit should identify a specific career area in the safety field and include education and certification requirements for available positions, salary information, demand for the field and a summary of the youth's interest in the field. Examples of careers include firefighters, paramedics, emergency management personnel, some military assignments, law enforcement officers, emergency room medical personnel, fire investigator and more. It is recommended youth interview a professional in the field in their research. Additional research sources might include books, articles, career web sites, job-related government web sites or interviews with career placement or guidance counselors. Exhibits may be presented in a poster with supplemental documentation, a notebook including up to ten pages of narrative and pictures, or a multimedia presentation on a CD lasting up to five minutes.
- C) 901** **You be the teacher** (SF__) – Share with others what you learned in the project. Exhibit may be a poster, notebook, or small display of an educational nature. Include 8 ½" X 11" page describing the exhibit and summary of learning.

DEPARTMENT E – DIVISION 450 – FIRE SAFETY

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
450	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Fire Safety Poster** (SF269) – This is a home floor plan drawn to scale showing primary and secondary escape routes and where fire extinguishers and smoke detectors are located. Draw every room, including all doors and windows. Use black or blue arrows showing primary escape routes from each room. Draw 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. Poster must be constructed of commercial poster board at least 11"x14" but not larger than 22"x28".**
- SF) 002** **Fire Safety Scrapbook** (SF270) – 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 ½" x 11" paper. Correct sentence structure, readability and thorough explanations are important part of judging.
- SF) 003** **First Prevention Poster** (SF268) – Posters should promote a fire prevention message and be appropriate to display during National Fire Prevention Week or to promote fire safety at specific times of the year (Halloween, 4th of July, etc.). Originality, clarity, and artistic impression will all be judged. Do not include live fireworks, matches or other flammable/explosive/hazardous materials. Any entry containing this material will be disqualified.  **Posters must be constructed of commercial poster board at least 11" x 14" but not larger than 22" x 28".**
- C) 901** **You be the teacher** (SF__) – Share with others what you learned in the project. Exhibit may be a poster, notebook, or small display of an educational nature. Include 8 ½" X 11" page describing the exhibit and summary of learning.

DEPARTMENT E – DIVISION 530 – BICYCLING

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
530	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

- C) 901 **Bike Restoration Report** (SF__) – Exhibitors need to restore/overhaul/upgrade a bicycle to include current safety features. A report must include the following information: Describing costs, repair costs, and what was done. “Before” and “After” photos should be included.
- C) 902 **Bicycle Display** (SF__) – It may include: 1) parts or system of a bicycle, 2) working or broken parts, or 3) a step-by-step procedure of how some repair or service job is performed. A limited number of photographs are acceptable. Actual parts or cut-aways of parts are recommended.
- C) 903 **Bicycle Anatomy** (SF__) – Poster showing parts of the bicycle.
- C) 904 **Comparison Report** (SF__) – A report of price and feature comparisons that you took into account when purchasing a bike of your own.

DEPARTMENT E – DIVISION 530 – LIFETIME SPORTS

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
530	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

- C) 905 **Archery** (SF__) – The article may be a diorama, poster, scrapbook, notebook, etc. that expresses something learned or explains some aspect of the archery project
- C) 906 **Golf** (SF__) – The article may be a diorama, poster, scrapbook, notebook, etc. that expresses something learned or explains some aspect of the golf project
- C) 907 **Bowling** (SF__) – The article may be a diorama, poster, scrapbook, notebook, etc. that expresses something learned or explains some aspect of the bowling project
- C) 908 **Tennis** (SF__) – The article may be a diorama, poster, scrapbook, notebook, etc. that expresses something learned or explains some aspect of the tennis project
- C) 909 **Other** (SF__) – The article may be a diorama, poster, scrapbook, notebook, etc. that expresses something learned or explains some aspect of a sport not listed above (ex. Running)



LEADERSHIP, CITIZENSHIP & PERSONAL DEVELOPMENT



DEPARTMENT: LEADERSHIP, CITIZENSHIP, & PERSONAL DEVELOPMENT
 AREA: CITIZENSHIP



CURRICULUM & RESOURCES

Citizenship Adventure Kit **B I A**

Seeing i2i: Adventures in Diversity and Cultural Awareness **B I A**



AREA RULES – CITIZENSHIP

- All entries must have a statement explaining the purpose of the exhibit and how the exhibit will be used. Exhibitors are encouraged to show evidence of their personal field experiences, study or observations that relate to their exhibit. This helps the judges understand what the 4-H member 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).**

DEPARTMENT A – DIVISION 120 – CITIZENSHIP

Division	Class	Pay	Purple	Blue	Red	White
120	001-010		\$2.50	\$2.00	\$1.50	\$1.00
120	901-903		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001 Care Package Display (SF182)** – This exhibit is a display about the PROCESS of creating and giving a care package, not the actual care package. You may use a poster, PowerPoint, or another multi-media program to tell about the PROCESS of developing and giving a care package to a service 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. **You need to answer the following questions in your exhibit.**
- How did you select the organization?
 - What items did you include in your care package?
 - Why did you select those items?
 - How did it feel to present your care pack to the organization?
 - What did you learn from this experience?
 - Other information that you feel is important about the care package or organization.
- SF) 002 Citizenship Game (SF182)** – 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.
- SF) 003 Patriotic or Cultural Fine Arts (SF182)** – Can be made of any art media but should tie in the relevance of the artwork to citizenship.
- SF) 004 Public Adventure Scrapbook (SF182)** – Should describe your Public Adventure or Service Learning Activity. Scrapbooks must measure no more than 16" x 16".
- SF) 005 Public Adventure Poster (SF182)** – 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".
- SF) 006 Written or Recorded Stakeholder Interview (SF182)** – Should follow the outline found in the Public Adventures Curriculum. It may be written or recorded.
- SF) 007 Written Citizenship Essay (SF182)** – Designed to promote good citizenship and patriotism. The essay is open to all age groups. All essays should be 300-400 typewritten words.
- SF) 008 Oral Citizenship Essay (SF182)** – Addressing the theme "Freedom's Obligations" should be 3-5 minutes. For 9th-12th graders only. No background music, singing or other enhancement allowed. All essays should be saved as a .wav or .mp3 file; a USB/thumb drive will be accepted. Voice tone should be normal and conversational. A copy of the written essay should be attached. Theme may change each year.

- SF) 009** **Service Items** (SF182) – Can include but isn'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.
- SF) 010** **4-H Club Exhibit** (SF182) – Should depict what a 4-H Club has done in the area of community service. This item could include, but is not limited to, a service item, poster, scrapbook, and cultural or creative arts item or care package.
- C) 901-903** **Other Item Made in this Project**

DEPARTMENT A – DIVISION 130 – DIVERSITY I2I

Division	Class	Pay	Purple	Blue	Red	White
130	001-009		\$2.50	\$2.00	\$1.50	\$1.00
130	901-903		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Cultural Fine Arts** (SF183) – Item can be made of any art media but should symbolize what makes them unique.
- SF) 002** **How are We Different?** (SF183) – 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.
- SF) 003** **Name Art** (SF183) – Exhibit should be a creative art exhibit that symbolizes or explains where your name came from and what it means. Can use any media.
- SF) 004** **Family History** (SF183) – 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.)
- SF) 005** **Cultural Food** (SF183) – Exhibit depicting a cultural food that is special to your family. Can be a story or essay.
- SF) 006** **“This is Who I Am” Poem** (SF183)
- SF) 007** **Poster** (SF183) – Poster that depicts what you have learned through the Seeing i2i Project.
- SF) 008** **Biography** (SF183) – Write an essay about an historical figure who has made a positive impact on our society or who has made a difference in the lives of others.
- SF) 009** **Play Script** (SF183) – Play written about a different culture.
- C) 901-903** **Other Item Made in this Project**



DEPARTMENT: LEADERSHIP, CITIZENSHIP, & PERSONAL DEVELOPMENT
AREA: ENTREPRENEURSHIP



CURRICULUM & RESOURCES

ESI: Discover the E-Scene-Unit 1		
ESI: The Case of ME-Unit 2		
ESI: Your Business Inspection-Unit 3		
Blueprint Curriculum		

DEPARTMENT F – DIVISION 531 – ESI: Entrepreneurship Investigation

Division	Class	Pay	Purple	Blue	Red	White
531	001-006		\$2.50	\$2.00	\$1.50	\$1.00
531	901-903		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Interview an entrepreneur** (SF 181) – Share what you learned from the person about having an entrepreneurial mindset. How have they applied that mindset? Have they started starting and running a business? Are they tackling a social issue? or how do they deliver excellent customer service? How will what you have learned through this interview change your future plans or ways of thinking about entrepreneurship? The summary of the interview should be typed and with a maximum length of two pages (12 pt. font). Enter exhibit in a folder with fasteners (no slide bars)
- SF) 002** **Social Entrepreneurship Presentation** (SF 181) – Prepare a five slide power point presentation about a social entrepreneurship venture to benefit a group or individual in your community. Social entrepreneurs are people who are in business to help others. Submit a printout of the note pages which show each slide and include an explanation of each slide. Enter exhibit in a folder with fasteners (no slide bars)
- SF) 003** **Marketing Package** (SF 181) – The marketing package should be for an original business developed by the 4-H'er and not an existing business. **Mounted on a 14" x 22" poster 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. (Your Business Inspection)

SF) 004

Sample of an Original Product (SF 181) – Include an information sheet (8 ½" x 11") answering the following questions:

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

SF) 005

Photos of an Original Product (SF 181) - Mounted on a 14" by 22" poster include three photos of developed product and a mounted information sheet answering the following questions. If exhibiting in both Class 004 and 005, products must be entirely different products. Attach an 8.5" X 11" information sheet to the poster answering these questions:

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

SF) 006

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

Select your five challenges from the list below:

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

C) 901-903

Other Item Made in this Project



DEPARTMENT: LEADERSHIP, CITIZENSHIP, & PERSONAL DEVELOPMENT
AREA: LEADERSHIP



CURRICULUM & RESOURCES

Leadership 1: My Leadership Workbook	B	
Leadership 2: My Leadership Journal	I	A
Leadership 3: My Leadership Portfolio	I	A
Junior Leader Record Form	I	A

DEPARTMENT F – DIVISION 502 – PERSONAL DEVELOPMENT & LEADERSHIP

Division	Class	Pay	Purple	Blue	Red	White
502	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

C) 901

Treasurer (SF__) – Treasurer’s Club Report for the current year will be judged on neatness, accuracy, and completeness.

- C) 902 **Secretary** (SF__) – Secretary’s Club Book for the current year will be judged on neatness and completeness.
- C) 903 **New Reporter** (SF__) – News Reporter display will consist of three or more clippings from newspaper, mounted on a single sheet articles will be judged on newsworthiness and style. Quality of the news story, not how stories are mounted will be the judging criteria, however the mounting presentation should appear neatly done.
- C) 904 **Historian** (SF__) – Club Historian’s scrapbook of club activities for the current year. If previous years are also included, insert a note showing where the current year’s activities begin. The scrapbook will be judged on neatness, completeness, and creativity. (Club Historian may enter scrapbook under Explore Your Heritage
- C) 905 **Photographer** (SF__) – Club Photographer may enter a scrapbook or poster displaying photographs taken for the Club during the current year. Include at least 6 pictures with captions explaining the picture. Exhibits will be judged on the clearness and sharpness of the photograph and how well the picture and caption go together to tell a story. Creativity will also be considered.
- C) 906 **Serving as a Junior Leader** (SF__) – A written report, multimedia presentation, or photo album which demonstrates junior leader activities on a club level.
- C) 907 **Serving as a Community Leader** (SF__) – A written report, multimedia presentation, or photo album which demonstrates junior leader activities conducted on a county, state, or national level.
- C) 908 **Resume or Portfolio** (SF__) – Could be used for acquiring a job, a scholarship or selection for an honor. Use a format of your choice.



PLANT SCIENCE



DEPARTMENT: PLANT SCIENCE
AREA: AGRONOMY



CURRICULUM & RESOURCES

Crop Projects Level 1: Seedy Business **B**
Crop Projects Level 2: Green and Growing **I**
Crop Projects Level 3: Be'an All You Can Be **A**

DEPARTMENT G – DIVISION 750 – FIELD CROPS



AREA RULES – FIELD CROPS

1. Essay
 - a. A two page (maximum) essay must accompany grain and plant exhibits. The essay must include the exhibitors name, county, plant hybrid or variety, plant population, whether crop production was irrigated or dry land, 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.
 - b. 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.
2. Grain Exhibits
 - a. 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.
3. Plant Exhibits
 - a. All plant exhibits, with the exception of ears of corn, must be the result of the current year's project.
4. 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 longer than 28" wide by 28" tall on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, 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.

Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
Grain Sorghum - 4 stalks (cut at ground level and bound together)
Soybeans - 6 stalks (cut at ground level and bound together)
Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level.

Supporting documentation (½ to 1-page in length) should include the following:
Economic Analysis and/or research that supports feasibility of this crop in Nebraska or how the crop has evolved over time.
Other topics to discuss are past/current commercial production of this crop. This includes: the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season about this crop and what you learned from your crops project. This ½ to 1-page summary counts as 50% of the total when judged.
In addition to the summary, grain and plant exhibits will be judged on condition, appearance (i.e., disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
750	001-010		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Corn** (SF264) – Includes yellow, white, pop, waxy or any other type-10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
- SF) 002** **Soybeans** (SF264) - Soybeans - 6 stalks (cut at ground level and bound together)
- SF) 003** **Oats** (SF264)
- SF) 004** **Wheat** (SF264)
- SF) 005** **Any Other Crop** (SF264) – Includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.
- SF) 006** **Crop Production Display** (SF259) – The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, pest management, etc.
- SF) 007** **Crop Technology Display** (SF259) – Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.
- SF) 008** **Crop End Use Display** (SF259) – Display information about the final product or end uses for a crop, such as food, feed, fuel, or other products. (i.e., corn can be processed into livestock feed, ethanol, plastics, etc. or soybeans can be processed into bio-diesel, pet bedding, crayons, oil, etc.)
- SF) 009** **Water or Soil Display** (SF259) – Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources
- SF) 010** **Career Interview Display** (SF259) – 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.
- SF) 011** **Special Agronomy Project – Educational Exhibit** (SF259) – Educational exhibit based on what was learned from the project. Present information on a poster 14” X 22” either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member’s name, age, and county must be on the back of the poster or report cover. Refer to Scoresheet SF259 Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used.
- SF) 012** **Special Agronomy Project – Video Presentation** (SF259) – 4-H exhibitor designs a multimedia presentation related to the crop. This could include narration of the growing process, presenting facts about the crop or any other innovative multimedia practices. The presentation should be at least 2 minutes in length and no more than 5 minutes in length, appropriate graphics, sound and either a video clip, animation or voice over and/or original video clip. Any of the following file formats will be accepted: mp4, .mov, .ppt, or .avi.
- SF) 013** **Special Agronomy Project – Freshly Harvested Crop** (SF259) – Plant exhibits must be the result of the current year’s project. Depending on the type of crop selected for the current year:



DEPARTMENT: PLANT SCIENCE
AREA: RANGE



CURRICULUM & RESOURCES

Reading the Range		I	
Using Nebraska Range			A
Common Forbs and Shrubs of Nebraska: Prairies, Rangeland, Pasture Lands	B	I	A
Common Grasses of Nebraska: Prairies, Rangeland, Pasture Lands	B	I	A

DEPARTMENT G – DIVISION 751 – WEED SCIENCE

»» DIVISION RULES – WEED SCIENCE

1. Weed Book
 - a. The book cover and specimens must represent this year’s work. Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, and neatness.
 - b. Display one plant on the book cover (no label required on cover specimen). Plants must be mounted on sheets that are no larger than 14” wide by 14” high. Proper plant mount should include root as well as stem and leaf tissue. Plants should be glued rather than taped and the mounts should be protected with a clear cover. Each completed mount must have the following information typed or printed neatly. In the lower right corner of the mounting sheet:
 - i. (1) Scientific name (in italic or underlined), with authority; (2) Common name; (3) County of collection; (4) Collection date; & (5) Collector’s name
 - ii. Personal collection number indicating the order that plants were collected, in your personal collection
 - iii. Other information depending on class selected, i.e., noxious, life form.
2. Weed Display
 - 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 longer than 28” wide by 28” tall on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor’s name, and county on back side. Explain Pictures and graphs clearly and concisely.
 - 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.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
751	001-004		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Weed Identification Book** (SF261) – A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plumeless thistle, 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. At least three weeds that are primarily in lawns.
- SF) 002** **Life Span** (SF261) – A collection of 7 perennial, 1 biennial and 7 annual weeds selected from grasses, sedges, or forbs. 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 longer than 28” y 28” on plywood or poster board. The display should be neatly titled. Make sure to label the display with the exhibitor’s name, and county on the back side. Explain pictures and graphs clearly and concisely. 🖱️ **Each display must have a one page essay explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor’s name outside.**
- SF) 004** **Weeds Display** (SF259) – The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as interesting information about a weed species, the effects of weed control, herbicide resistant weeds, what makes a weed a weed, or uses for weed.

»» DIVISION RULES – RANGE MANAGEMENT

1. Range Book
 - a. For books, plants must be mounted on sheets that are no larger than 14”wide by 14” high. Plants should be glued rather than taped and the mounts should be protected with a clear cover. Proper plant mount should include root as well as stem and leaf tissue.
 - b. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project requirements. Each completed mount must have the following information typed or printed neatly in the lower right corner of the mounting sheet.
 - i. (1) Scientific name (in italic or underlined). With authority.; (2) Common name; (3) County of collection; (4) Collection date; (5) Collector’s name; (6) Personal collection number, indicating order that plants were collected in your personal collection; (7) Other information depending on class selected, i.e. value and importance, life span, growth season, origin, major types of range plants.

DEPARTMENT G – DIVISION 330 – RANGE MANAGEMENT

»» DIVISION RULES – RANGE MANAGEMENT (continued)

2. Range Display
 - 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, and county on back side.
3. Range Management Boards
 - a. Display 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. Display boards should be adequately labeled.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
330	001-010		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Value and Importance for Livestock Forage and Wildlife Habitat and Food Book** (SF260) – A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. Plants can consist of any combination of grasses, grass-like plants, forbs, or shrubs. Assemble plant mounts in order of high, medium, or 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. (Range Judging Handbook and Contest Guide, p.3-6)
- SF) 002** **Life Span Book** (SF260) – A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.
- SF) 003** **Growth Season Book** (SF260) – A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.
- SF) 004** **Origin Book** (SF260) – 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.
- SF) 005** **Major Types of Range Plants Book** (SF260) – A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like and 3 shrubs.
- SF) 006** **Range Plant Collection Book** (SF260) – A collection of 12 range plant mounts with something in common (i.e., poisonous to cattle, or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.). Include a short paragraph in the front of the book which describes what the plants have in common and why you have chosen to collect them.
- SF) 007** **Parts of a Range Plant Poster** (SF259) – 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.
- SF) 008** **Range Plant Board** (SF260) – Will include 25 range forage species important to a particular county and should include: 1. Scientific name (in italic or underlined), with authority, 2. Common name, 3. County of collection, 4. Collection date, 5. Collector's name, 6. Personal collection number, indicating order that plants were collected in your personal collection 7. Other information as needed.
- SF) 009** **Special Study Board** (SF260) – This exhibit should display the results of a clipping study, a degree of use study or a range site study, etc.
- SF) 010** **Junior Rancher Board** (SF260) – This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management.



DEPARTMENT: PLANT SCIENCE
 AREA: HORTICULTURE







CURRICULUM & RESOURCES

The World of Flowers	B	I	A
Flowers 2: All About Flowers	B	I	A
Growing Great Houseplants	B	I	A
Everyone a Gardener	B	I	A
Gardening A: See Them Sprout	B		
Gardening B: Let’s Get Growing		I	
Gardening C: Take Your Pick		I	
Gardening D: Growing Profits			A
Grow a Beautiful Space 1: Youth Manual	B		

DEPARTMENT G – DIVISION 770 – FLORICULTURE, EDUCATIONAL EXHIBITS & HOUSEPLANTS

»»» **DIVISION RULES – FLORICULTURE, EDUCATIONAL EXHIBITS & HOUSEPLANTS**

1. Floriculture
 - a. Youth may enter a maximum of 4 entries per person in classes 1-46 and 50-53.
 - b.  **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. Keep your seed package or identification label at planting time.
 - c. In classes 23, 44, 45 & 46 do not duplicate entries with the classes listed by using other cultivars or varieties, or entry will be dropped on 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 over winters. 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 over winters as a crown, blooms the following year and dies. Foliage will be considered when exhibit is judged.
 - d.  **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.
2. Educational Exhibits
 - a. Youth may enter a maximum of 4 entries per person in classes 50-53.
 - b. Poster no larger than 14" x 22" x 2" (3-dimensional if needed).
 - c. Entry card must be stapled to the upper right hand corner.
 - d.  **The 4-H member's name, age, county and years in the project(s) must be on the back of the poster or notebook.**
3. Houseplants
 - a. Youth may enter a maximum of 3 entries in classes 50-66. Youth must enroll in Growing Great Houseplants project to exhibit in 50-66.
 - b. Container Grown Houseplants –  **Each houseplant must be identified by listing the names on the entry tag or on a card attached to the container.** The choice of container and soil quality will be considered in judging. Houseplants should be grown in the display container for a minimum of six weeks.
 - c. Containers of annual flowers or annual plants will be disqualified and will not be judged. Entries in Classes 066 must have been designed and planted by the 4H member.
 - d. Container grown houseplants shall be in pots no greater than 12" in diameter (inside opening measurement).
 - e. Dish gardens, fairy or miniature gardens, desert gardens and terrariums may be up to 12" in diameter (inside opening measurement).
 - f. The 4H members name, age, county, and years in the project(s) must be on the bottom or back of the container and saucer.

Division	Class	Pay	Purple	Blue	Red	White
770	001-066		\$2.50	\$2.00	\$1.50	\$1.00
770	901-904		\$2.50	\$2.00	\$1.50	\$1.00

ANNUALS AND BIENNIALS (SF106)

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

SF) 001	Aster	SF) 010	Foxglove
SF) 002	Bachelor Buttons	SF) 011	Gladiolus – 3 stems
SF) 003	Bells of Ireland	SF) 012	Gomphrena
SF) 004	Browallia	SF) 013	Hollyhock – 3 stems
SF) 005	Calendula	SF) 014	Marigold
SF) 006	Celosia – crested or plume, 3 stems	SF) 015	Pansy
SF) 007	Cosmos	SF) 016	Petunia
SF) 008	Dahlia	SF) 017	Salvia
SF) 009	Dianthus	SF) 018	Snapdragon

SF) 019	Statice	SF) 022	Zinnia
SF) 020	Sunflower – under 3” in diameter – 5 stems; 3” or more in diameter 3 stems	SF) 023	Any other annual or biennial – under 3” in diameter 5 stems, 3” or more in diameter 3 stems
SF) 021	Vinca		

PERENNIALS (SF106)

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

SF) 030	Achillea/Yarrow	SF) 039	Lilies – 3 stems, not Daylilies
SF) 031	Chrysanthemum	SF) 040	Platycodon
SF) 032	Coneflower	SF) 041	Rose – 3 stems
SF) 033	Coreopsis	SF) 042	Rudbeckia/Black-eyed Susan
SF) 034	Daisy	SF) 043	Sedum
SF) 035	Gaillardia	SF) 044	Statice
SF) 036	Helianthus	SF) 045	Any other perennial – under 3” in diameter 5 stems, 3” or more in diameter 3 stem
SF) 037	Hydrangea – 3 stems		
SF) 038	Liatris – 3 stems		

SF) 046 **4-H Flower Garden Collection of 5 Different Flowers (SF106)** – Each flower in the collection should be exhibited with the number specified for classes 1-45. Display in a box or other holder not more than 18” in any dimension. (Boxes will not be returned from State Fair.)

EDUCATIONAL EXHIBITS

- SF) 050** **Flower Notebook (SF100)** – Exhibit a notebook containing pictures of flowers grown in Nebraska. There must be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. 4-Hers may show more than one cultivar of the same species, but they will only count as one species. The notebook must be the result of the current year’s work. Pictures from garden catalogs, hand drawn pictures or photographs may be used. Each species/cultivar must be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (for example needs full sun and dry sandy soil) the species prefers. In addition to this information, bulbs should also be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H member’s name, age, county and years in the project(s) must be on the back of the notebook.
- SF) 051** **Flower Garden Promotion Poster (SF103)** – 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, county, and years in the project(s) must be on the back of the poster.
- SF) 052** **Educational Flower Garden Poster (SF104)** – Prepare a poster no larger than 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, county and years in the project(s) must be on the back of the poster.
- SF) 053** **Flower Gardening History Interview (SF105)** – 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, county, and years in the project(s) must be on the back of the report cover.

HOUSEPLANTS



- SF) 060** **Flowering Potted Houseplant (SF107)** – Plant should be blooming for exhibition. Non-blooming plants will be disqualified. Container may have one or more houseplants in container. Label with the name for each plant.
- SF) 061** **Foliage Potted Houseplant (SF107)** – one variety of tropical or cacti or succulent plant. Label with name of plant.
- SF) 062** **Hanging Basket (SF107)** – May be flowering and/or foliage plants. Container may have one or more houseplants in container. Label with name for each plant.
- SF) 063** **Dish Garden (SF107)** – An open/shallow container featuring a variety of plants excluding cacti and succulents. Label with the name for each plant.
- SF) 064** **Fairy or Miniature Garden (SF107)** – a miniature “scene” contained in an open container and featuring miniature or small, slow growing houseplants. The garden needs to have an imaginative theme and

miniature accessories, i.e., bench, fence made from tiny twigs, small shell for a bathtub, etc. Label with the name for each plant.

- SF) 065 **Desert Garden** (SF107) – An open/shallow container featuring a variety of cacti and/or succulents grown as houseplants. Label with the name for each plant.
- SF) 066 **Terrarium** (SF107) – A transparent container, partially or completely enclosed; sealed or unsealed. Label with the name for each plant.
- C) 901 **Other Container Grown Plants** (SF__)
- C) 902 **Original Arrangement** (SF107) – An original arrangement made with flowers from your gardening project. No purchased flower accepted. No larger than 12" x 12".
- C) 903 **Original Arrangement** (SF107) – An original arrangement made with a combination of native grasses, flowers, vines, or other nature materials. No larger than 18" x 18".
- C) 904 **Original Arrangement** (SF107) – An original arrangement made with a combination of materials such as vegetables, flowers from your gardening project or native materials, etc. No larger than 18" x 18".

DEPARTMENT G – DIVISION 773 – VEGETABLES, HERBS & FRUITS

»» DIVISION RULES – VEGETABLES, HERBS & FRUITS

2. Vegetables
 - a. Youth may enter a maximum of 4 entries.
 - b.  **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. Keep your seed package at planting time.
3. Herbs
 - a. Those grown mainly for their seed, such as dill and caraway, should be exhibited on a plate.
 - b. Those grown for their leaves such as basil, parsley, etc. should be exhibited in a clear glass container of water.
4. Educational Exhibits
 - a. Poster no larger than 14" x 22" x 2" (3-dimensional if needed).
 - b. Entry card must be stapled to the upper right hand corner.
 - c.  **The 4-H member's name, age, county and years in the project(s) must be on the back of the**

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
773	201-294		\$2.50	\$2.00	\$1.50	\$1.00

VEGETABLES (SF108)

SF) 201	Lima Beans – 12 beans	SF) 218	Red Onions – 5 onions
SF) 202	Snap Beans – 12 beans	SF) 219	White Onions – 5 onions
SF) 203	Wax Beans – 12 beans	SF) 220	Parsnips – 5 parsnips
SF) 204	Beets – 5 beets	SF) 221	Bell Peppers – 5 peppers
SF) 205	Broccoli – 2 stalks	SF) 222	Sweet (Non-Bell) Peppers – 5 peppers
SF) 206	Brussels Sprouts – 12 sprouts	SF) 223	Jalapeno Peppers – 5 peppers
SF) 207	Green Cabbage – 2 heads	SF) 224	Hot (Non-Jalapeno) Peppers – 5 peppers
SF) 208	Red Cabbage – 2 heads	SF) 225	White Potatoes – 5 potatoes
SF) 209	Carrots – 5 carrots	SF) 226	Red Potatoes – 5 potatoes
SF) 210	Cauliflower – 2 stalks	SF) 227	Russet Potatoes – 5 potatoes
SF) 211	Slicing Cucumber – 2 cucumbers	SF) 228	Other Potatoes – 5 potatoes
SF) 212	Pickling Cucumbers – 5 cucumbers	SF) 229	Pumpkin – 2 pumpkins
SF) 213	Eggplant – 2 eggplant	SF) 230	Miniature Pumpkins (Jack Be Little) – 5 pumpkins
SF) 214	Kohlrabi – 5 kohlrabi	SF) 231	Radish – 5 radishes
SF) 215	Muskmelon/Cantaloupe – 2 melons	SF) 232	Rhubarb – 5 stalks
SF) 216	Okra – 5 okra	SF) 242	Swiss Chard – 5 stalks
SF) 217	Yellow Onions – 5 onions	SF) 243	Red Tomatoes – 5 tomatoes, 2" or more in diameter
SF) 233	Rutabaga – 2 rutabaga	SF) 244	Roma/Sauce Tomatoes – 5 tomatoes
SF) 234	Green Summer Squash – 2 squash	SF) 245	Salad Tomatoes – 12 tomatoes, under 2" in diameter
SF) 235	Yellow Summer Squash – 2 squash	SF) 246	Yellow Tomatoes – 5 tomatoes, 2" or more in diameter
SF) 236	White Summer Squash – 2 squash	SF) 247	Turnips – 5 turnips
SF) 237	Acorn Squash – 2 squash		
SF) 238	Butternut Squash – 2 squash		
SF) 239	Buttercup Squash – 2 squash		
SF) 240	Other Winter Squash – 2 squash		
SF) 241	Sweet Corn – 5 ears in husks		

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|----------------|--|----------------|--|
| SF) 248 | Watermelon – 2 melons | SF) 251 | Gourds – 5 gourds, single variety |
| SF) 249 | Dry Edible Beans – 1 pint | | |
| SF) 250 | Gourds – 5 gourds, mixed types | | |
| SF) 252 | Any other vegetable (SF108) – Vegetable that does not fit in any other class 2, 5 or 12 (do not duplicate entries in classes 201-251) that doesn't fit in any other class. | | |
| SF) 255 | 4-H Vegetable Garden Collection (SF108) – Five kinds of vegetables displayed in a box not more than 24" in any dimension. Boxes will not be returned. Showmanship will be considered in judging, but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252). Do not duplicate entries in classes 201-252 with any in the group collection. | | |
| SF) 256 | 4-H Cultivar Vegetable Collection (SF108) – 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. <u>State Fair – Boxes will not be returned.</u> Showmanship will be considered in judging; but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252). | | |

HERBS (SF108)

- | | | | |
|----------------|--|----------------|---------------------------|
| SF) 260 | Basil – 5 | SF) 265 | Parsley – 5 |
| SF) 261 | Dill (dry) – 5 | SF) 266 | Sage – 5 |
| SF) 262 | Garlic (bulbs) – 5 | SF) 267 | Thyme – 5 |
| SF) 263 | Mint – 5 | SF) 268 | Any Other Herb – 5 |
| SF) 264 | Oregano – 5 | | |
| SF) 269 | 4-H Herb Garden (SF108) – Display of 5 different cut herbs. Herbs are to be cut not potted. Displayed in a box or other holder not more than 18" in any dimension. Each herb in the collection should be exhibited with the number specified for classes 260-268. Do not duplicate entries in classes 260-268 with any in the group collection. | | |

FRUITS (SF108)

- | | | | |
|----------------|---|----------------|--|
| SF) 280 | Strawberries – 1-pint ever bearers | SF) 284 | Wild Plums – 1 pint |
| SF) 281 | Grapes – 2 bunches | SF) 285 | Other Small Fruit or Berries – 1 pint |
| SF) 282 | Apples – 5 apples | SF) 286 | Other Fruits or Nuts – 5 items |
| SF) 283 | Pears – 5 pears | | |

EDUCATIONAL EXHIBITS

- SF) 290** **Garden Promotion Poster** (SF103) – Individual poster promoting vegetable or herb gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium 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, county, and years in the project(s) must be on the back of the poster.
- SF) 291** **Educational Vegetable or Herb Garden Poster** (SF104) – Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-Her 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, county, and years in the project(s) must be on the back of the poster.
- SF) 292** **Vegetable and/or Herb Gardening History Interview** (SF105) – Neatly handwritten or typed account of a gardening history interview 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, county, and years in the project(s) must be on the back of the report cover.
- SF) 293** **Vegetable Seed Display** (SF101) – Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous nightshade) and Legume (pea) families plus representatives from 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 4H member's name, age, county, and years in the project(s) must be on the back of the display.

SF) 294

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



DEPARTMENT: PLANT SCIENCE
AREA: LANDSCAPE DESIGN



CURRICULUM & RESOURCES

Grow a Beautiful Space 1: Youth Manual

B

Grow a Beautiful Space 2: Youth Manual

I

Grow a Beautiful Space 3: Youth Manual

A

DEPARTMENT G – DIVISION 777 – LANDSCAPE: GROW A BEAUTIFUL SPACE

Division	Class	Pay	Purple	Blue	Red	White
777	All Classes		\$2.50	\$2.00	\$1.50	\$1.00

SF) 401

Grow a Beautiful Space Unit 1 Portfolio Notebook (SF110) – Create and complete 'Landscape Professionals & 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. The 4-Her member's name, age, county, and years in the project(s) must be on the back of the report cover or notebook.

SF) 402

Establish Landscape Analysis Poster (SF110) – 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. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

SF) 403

Grow a Beautiful Space Unit 2 Portfolio Notebook (SF111) – 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-Her member's name, age, county, and years in the project(s) must be on the back of the report cover or notebook.

SF) 404

Landscape Renovation Poster (SF111) – 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. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

SF) 405

Estimating Dreams Poster (SF111) – elect 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. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

SF) 406

Site Inventory & Analysis Poster (SF111) – 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. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

SF) 407

Community Landscape Poster (SF111) – 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, a 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. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster.

SF) 408

Renovate the Outdoors Portfolio (SF111) – 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. The 4-H member's name, age, county, and years in the project(s) must be on the back of the report cover.

DEPARTMENT G – DIVISION 775 – SPECIAL GARDEN PROJECT

Youth must be enrolled in the current year's Special Garden Project to exhibit.

The 2023 Special Garden Project is focused on Mrs. Burns' Lemon Basil.

SF) 001

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

SF) 002

Special Garden Project Fresh Cut Flowers, Herbs, or Vegetables (SF106/SF108/SF109) - The current years' Special Garden Project fresh cut flowers or harvested vegetables should be entered in this class. Refer to classes 001-045 for quantity to exhibit if special garden project is a fresh cut flower. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. Flowers and herbs must be cut, not potted.



SCIENCE, ENGINEERING & TECHNOLOGY



DEPARTMENT: SCIENCE, ENGINEERING, & TECHNOLOGY
AREA: AEROSPACE



CURRICULUM & RESOURCES

Rockets Away	B	I
Aerospace 2: Lift-Off	B	
Aerospace 3: Reaching New Heights		I
Aerospace 4: Pilot in Command		A



GENERAL RULES – AEROSPACE

- The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks.
- Rockets must be supported substantially to protect the rocket from breakage. Rockets are to be mounted on a base that has dimensions equal or less than 12" x 12" and the base should be 3/4" thick. No metal bases. If the rocket fins extend beyond the edges of the required base (12" x 12") then construct a base that is large enough to protect the fins. The base size is dictated by the size of the rocket fins. 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.
- Complete factory assembled rockets will not be accepted.
- Judging is based upon display appearance, rocket appearance, workmanship, design or capabilities for flight, number of times launched and report. Three launches are required.
- A report, protected in a clear plastic cover, must include:
 - rocket specification – (include original or photo of manufacture packaging stating rocket skill level.)
 - a flight record for each launching (weather, distance, flight height, engine used, what the rocket did in flight and recovery status). Points will not be deducted for launching, flight or recovery failures described. This includes any damage that may show on the rocket.
 - number of launchings.
 - flight pictures
 - Safety (How did you choose your launch site? Document safe launch, preparations, and precautions).
 - objectives learned
 - conclusions
- For self-designed rockets only, please include a digital recorded copy of one flight. In the documentation, please include a description of stability testing before the rocket was flown.
- Displays and posters should be no larger than 28"x22".

DEPARTMENT H – DIVISION 850 – AEROSPACE

Division	Class	Pay	Purple	Blue	Red	White
850	001-003, 009		\$2.50	\$2.00	\$1.50	\$1.00
850	004-008		\$2.50	\$2.00	\$1.50	\$1.00

LIFT OFF – UNIT 2

- SF) 001** **Rocket** (SF92) – Any Skill Level Rocket with wooden fins and cardboard body tubes painted by hand or air brush.
- SF) 002** **Aerospace Display** (SF93) – Poster or display board that displays or exemplifies one of the principles learned in the Lift Off project. Examples include display of rocket parts and purpose, explains the parts of a NASA rocket or shuttle, interview of someone in the aerospace field, or kite terminology. Include notebook containing terminology (definition), and what was learned. Display can be any size up to 28" by 22"

SF) 003 **Rocket** (SF92) – Any Skill Level Rocket with wooden fins and cardboard body tubes painted using commercial application, example commercial spray paint.

REACHING NEW HEIGHTS – UNIT 3

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

DRONES – UNIT 5

SF) 005 **Drone Poster** (SF93) – Exhibit must be designed to educate yourself and others on one or more of the following topics: drone technologies, uses of drones, the different types of drones, types of training needed to operate drones, and the laws and regulations users must follow. Posters can be any size up to 28” by 22”.

SF) 006 **Drone Video** (SF93) – Exhibit must demonstrate how the drone interacts with the outside world. Examples include field scouting, surveying damage from natural disasters, drones used in commercial applications and settings, and drones used for structural engineering. Video should not exceed 5 minutes. Videos should be uploaded to a video streaming application and exhibitors **MUST** provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions. (For State Fair: Videos should be submitted to <https://go.unl.edu/2023nesfset> by August 15, 2023



DEPARTMENT: SCIENCE, ENGINEERING, & TECHNOLOGY
AREA: ENERGY



CURRICULUM & RESOURCES

The Power of Wind Youth Guide



AREA RULES – ALTERNATIVE/RENEWABLE ENERGIES

1. **Entries which do not include required information or formatting requirements will be lowered one ribbon placing.**
2. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks.
3. Posters can be any size up to 28” x 22”.

DEPARTMENT H – DIVISION 900 – ALTERNATIVE/RENEWABLE ENERGIES

Division	Class	Pay	Purple	Blue	Red	White
900	001-006		\$2.50	\$2.00	\$1.50	\$1.00
990	901-903		\$2.50	\$2.00	\$1.50	\$1.00

SF) 001 **Create and Compare Energy Resources Poster** (SF307) – Poster should explore 2 alternative/renewable energy resources. Compare and contrast the 2 resources including two of the following information: amount of energy created, costs of production, usability of the energy, pros/cons of environmental impacts, etc.

SF) 002 **Experiment Notebook** (SF305) – Notebook will explore the scientific method involving alternative/renewable energy sources. Information required. 1.) Hypothesis 2.) Research 3.) Experiment 4.) Measure 5.) Report or Redefine Hypothesis.

SF) 003 **Solar as Energy Display/Poster** (SF308) – Item should be the original design of the 4-H'er. Include the item, or a picture if item is in excess of 6’ tall or 2’ X 2’. Include a notebook of why the item was designed and how it harnesses the power of the sun. Examples include solar ovens, solar panels, etc.

SF) 004 **Water as Energy Display/Poster** (SF308) – Item should be the original design of the 4-H'er. Include the item, or a picture if item is in excess of 6’ tall or 2’ X 2’. Include a notebook of why the item was designed and how it harnesses the power of water.

SF) 005 **Wind as Energy Display/Poster** (SF308) – 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.

SF) 006 **Other Nebraska Alternative Energy** (SF306) – Notebook should explore Nebraska an alternative energy source besides wind, water, and solar power. Include information on type of power chosen, infrastructure for distribution, what resources are needed to create this alternative resource, cost of production, and potential uses of bio-products. Examples include geothermal, biomass, ethanol, biodiesel, methane reactors, etc.

C) 901-903 **County Only Display** – Any other item completed as part of this project



AREA RULES – COMPUTERS

1. **Youth can ONLY enter exhibits into ONE Computers Level.**
 - a. Youth enrolled in clothing projects should continue their skill development. Once they have exhibited in a higher level, they are not eligible to exhibit in a lower level. Ex. Once you exhibit in Level 2, you are not eligible to exhibit in Level 1.
2. The name and county of each exhibitor should appear separately on the back of each board, poster, or article and on the front cover of the notebooks.
3. Posters can be any size up to 28” by 22”.

DEPARTMENT H – DIVISION 860 – COMPUTERS

Division	Class	Pay	Purple	Blue	Red	White
860	901-904		\$2.50	\$2.00	\$1.50	\$1.00
860	001-003		\$2.50	\$2.00	\$1.50	\$1.00
860	004-009		\$2.50	\$2.00	\$1.50	\$1.00

LEVEL 1

C) 901 **Computer Hardware Poster** (SF278) – Should exemplify something learned about computer hardware in Computer Mysteries Unit 1. Poster can be any size up to 28” x 22”.

C) 902 **Computer Software Poster** (SF278) – Should exemplify something learned about computer hardware in Computer Mysteries Unit 1. Poster can be any size up to 28” x 22”.

LEVEL 2

SF) 001 **Computer Application Poster** (SF278) – Exhibit designed to educate yourself and others on the use of computer application/program or techniques of internet/social media safety. Examples of the computer application/program could include but are not limited to how to download digital photos from a camera and create a usable way of storing and accessing them in the future; details of how to use instant messaging programs like Skype; or how to create a social networking page (ex. “Facebook,” “Snap Chat,” “Instagram,” “Twitter,” “FaceTime,” etc.). Examples of internet/social media safety include but not limited to identity theft, predator safety, internet etiquette, social networking pages precautions, etc.

SF) 002 **Produce a Computer Slideshow Presentation** (SF277) – Using presentation software create a presentation. Slideshow should include a minimum of 10 slides and no more than 25. Incorporate appropriate slide layouts, graphics, animations, and audio. Each slide should include notes for a presenter. **All county fair projects with a printout should be saved on a CD Rom to be submitted for county fair.**

C) 904 **Teach an Adult** (SF279) – The 4-H exhibitor writes a report between 1 and 3 pages describing a situation in which he or she has taught an adult(s) a computer skill. **The report should include pictures of the 4-Her working with the adult(s).**

LEVEL 3

SF) 004 **Produce an Audio/Video Computer Presentation** (SF276) – Using presentation software a 4-H exhibitor designs a multimedia computer presentation on one topic related to youth. A notebook with a printout of all the slides should be submitted. 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. All slideshows must be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions. (For State Fair Entries should be submitted to <https://go.unl.edu/2023nesfset> by August 15, 2023.)

SF) 005 **How to STEM (Science, Technology, Engineering and Math) Presentation** (SF276) – Youth design a fully automated 2 to 5 minute 4-H “how to” video. Submissions should incorporate a picture or video of the

4-Header, 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. Entries should be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions. (For State Fair: Entries should be submitted to <https://go.unl.edu/2023nesfset> by August 15, 2023.)


SF) 006

Create a Web Site/Blog or App (SF275) – 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 Irfan View 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 flash drive in a plastic case along with the explanation of why the site was created or may be shared through a hard copy share link or QR code for viewing. If developed using a WIKI or other online tool include a link to the website in the explanation of why the site was created. (For State Fair: Entries should be submitted to <https://go.unl.edu/2023nesfset> by August 15, 2023, or videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions.)

SF) 007

3D Printing Unique Items (SF1050) – 3D printing uses plastic or other materials to build a three-dimensional (3D) object for 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 motivation and/or problem identified. For example, 3D objects printed as part of the design process for robot or other engineering project or cookie cutter. Must include design notebook with motivation or problem statement the prototype was 3D printing will include a notebook with the following: (1) Define motivation/problem solved; (2) Software used; (3) Document purpose of material and print settings; (4) Material choice (PLA, PVA, ABS, etc.); (5) In-fill density; & (6) Moving parts.

SF) 008

Pen Creation (SF__) – Youth may use original designs or use a template to create their 3D item. Exhibits will be judged based on the complexity of the design and shape.  **3D pen creation will include a notebook with the following:** (1) Copy of the template if used and description of any changes the youth created OR If no template used – an explanation of how the creation was built; (2) Must include paragraph of what the youth learned while creating their project (i.e. way to improve their next creation); & (3) Paragraph on how 3D pens impact Science Engineering and Technology.

SF) 009

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

C) 901

Careers Interview (SF278) – Interview someone who is working in the field of computers 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 three to five pages, double-spaced, 12-point font, and 1” margins. Multimedia reports should be between three to five minutes in length.



DEPARTMENT: SCIENCE, ENGINEERING, & TECHNOLOGY
AREA: ELECTRICITY




CURRICULUM & RESOURCES

- Electricity 1: Magic of Electricity **B**
- Electricity 2: Investigating Electricity **B** **I**
- Electricity 3: Wired for Power **I**
- Electricity 4: Entering Electronics **A**



AREA RULES – ELECTRICITY

1.  **Youth can ONLY enter exhibits into ONE Electricity Unit.**
 - a. Youth enrolled in clothing projects should continue their skill development. Once they have exhibited in a higher level, they are not eligible to exhibit in a lower level. Ex. Once you exhibit in Unit 2, you are not eligible to exhibit in Unit 1.
2. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks.
3. Display or posters can be any size up to 28" x 22" x .25". Nothing should be mounted within 3/4 inch of the top or bottom of the board or poster.
4. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit. Demonstration boards should include an overall title for the display, plus other necessary labeling.

DEPARTMENT H – DIVISION 870 – ELECTRICITY

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
870	901-907		\$2.50	\$2.00	\$1.50	\$1.00
870	001-004		\$2.50	\$2.00	\$1.50	\$1.00
870	004-008		\$2.50	\$2.00	\$1.50	\$1.00

MAGIC OF ELECTRICITY – UNIT 1

- C) 901** **Bright Lights**– Create your own flashlight using items found around your house. Flashlights should be made out of items that could be recycled or reused. No kits allowed.
- C) 902** **Control the Flow**– Make a switch by creating a circuit that you can open and close.
- C) 903** **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.
- C) 904** **Is There a Fork in the Road** – Using the following items to construct one parallel and one series circuit.

INVESTIGATING ELECTRICITY – UNIT 2

- C) 905** **Case of the Switching Circuit** – Build a three way switch. Write a short essay or create a poster that illustrates how three way switches function. (Investigating Electricity, p. 28)
- C) 906** **Stop the Crime** (– Build an alarm and create a poster using photographs to show the step by step process you used to build your alarm. (Investigating Electricity, p. 32)
- C) 907** **Electrical Poster** – Poster should exemplify one of the lessons learned in the Investigating Electricity Project.
- C) 908** **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, normal open push button switch, 40 feet of 18 or 22 gauge stranded 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 rocket igniters with your launcher. You DO NOT have to actually fire a rocket off of the launcher. Create a poster using photographs to show the step-by-step process you used to build your launcher.

WIRED FOR POWER – UNIT 3

- SF) 001** **Electrical Tool/Supply Kit** (SF224) – 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.
- SF) 002** **Lighting Comparison** (SF225) – Display studying the efficiency of various lighting (incandescent, fluorescent, halogen, Light Emitting Diodes, etc.). Exhibit could be a poster display or an actual item.
- SF) 003** **Electrical Display/Item** (SF226) – Show an application of one of the concepts learned in the Wired for Power project. Examples include re-wiring or building a lamp, re-wiring or making a heavy duty extension cord or developing an electrical diagram of a house. Exhibit could be a poster display or an actual item.
- SF) 004** **Electrical Poster** (SF227) – Poster should exemplify one of the lessons learned in the Wired for Power Project.

ELECTRONICS – UNIT 4

- SF) 005** **Electrical/Electronic Part Identification** (SF228) – 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.

- SF) 006** **Electronic Display** (SF229) – Show an application of one of the concepts learned in the Electronics project. Examples include: components of an electronic device (refer to p.35 of the Electronic manual).
- SF) 007** **Electronic Project** (SF230) – Exhibit an electronic item designed by the 4-H'er or from a manufactured kit that shows the electronic expertise of the 4-H'er. Examples include radio, a computer, or a volt meter.
- SF) 008** **Electronic Poster** (SF231) – Poster should exemplify one of the lessons learned in the Entering Electronics Project.



DEPARTMENT: SCIENCE, ENGINEERING, & TECHNOLOGY
AREA: GEOSPATIAL



- »» **AREA RULES – GEOSPATIAL**
1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks.
 2. Posters can be any size up to 14" x 22"

DEPARTMENT H – DIVISION 880 – GEOSPATIAL

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
880	001-010		\$2.50	\$2.00	\$1.50	\$1.00
880	901-903		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Poster** (SF299) – Create a poster 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.
- SF) 002** **4-H Favorite Places or Historical Site Poster** (SF272) – The 4-H exhibitor identifies a favorite place or historical site (including grave sites) in Nebraska. The exhibit should include latitude and longitude, digital picture, and local area map.
- SF) 003** **GPS Notebook** (SF300) – Keep a log of at least 5 places visited using a GPS enabled device. At least one site should be from a community other than where you live. 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.
- SF) 004** **Geocache** (SF301) – Assemble a themed geocache. Each geocache should be a water-tight container. It should include a logbook and pencil for finders to log their visits and may include small trinkets, geocoins, etc. for the finders to trade. Documentation should include a title, teaser description and the geographic coordinates of intended placement. Register the site at geocaching.com; include a print-out of its registry. The entry may include a photograph of the cache in its intended hiding place.
- SF) 005** **Agriculture Precision Mapping** (SF302) – 4-Hers will assemble a notebook that will include a minimum of 2 digital copies of various data layers that can be used in precision agriculture to identify spatial patterns and/or correlations (printed copies of websites were applications can be purchased is acceptable) A report of how the analysis of the various data will be used to make a management decision.
- SF) 006** **4-H History Map/Preserve 4-H History** (SF30) – 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.
- SF) 007** **GIS Thematic Map** (SF302) – Using any GIS software, create a thematic. Thematic maps can utilize any subject of interest to the 4-H'er. Example map would be Amelia Earhart's or Sir Francis Drake's voyage population density maps, water usage maps or 4-H project in Nebraska. Create GIS Map using data from books, and or internet. Use reliable data, (U.S. Center or U.S. Census Bureau etc.) Map any size from 8.5" x 11" up to 36" x 24", should include Title, Base Map, Neat Line, North Arrow, and Legend. Identify the source of your information on the back of the map.
- C) 901-903** **Other exhibit in GPS, GIS, or mapping.**



DEPARTMENT H – DIVISION 881 – MODEL BUILDING



AREA RULES – MODEL BUILDING

1. **Entries need to have a completed model information sheet describing what steps were taken to create and what they learned.**
2. All Legos must be displayed on a board so they may be moved easily.
3. Lego Model- An exhibit is made from a set design of plans or a model that includes directions.
4. Lego Original- An exhibit that is original creation of the exhibitor and is not made from a set design of plans or model.

Division	Class	Pay	Purple	Blue	Red	White
881	All Classes	1	\$2.50	\$2.00	\$1.50	\$1.00

- C) 901 **Lego Model**– 500 pieces or less
- C) 902 **Lego Model**– 501 pieces or more
- C) 903 **Lego Original**– 500 pieces or less
- C) 904 **Level Original**– 501 pieces or more



Virtual Robotics	B	I	A
Junk Drawer Robotics Level 1	B	I	A
Junk Drawer Robotics Level 2	B	I	A
Junk Drawer Robotics Level 3	B	I	A
Robotics Platforms	B	I	A



AREA RULES – ROBOTICS

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks.
2. Posters can be any size up to 14" x 22".
3. Team Entries: Classes that are clearly the work of a team instead of an individual must have at least 50% of all team members enrolled in 4-H. Additionally all enrolled 4-H members on the team should complete and attach an entry tag to the materials. A supplemental page documenting the individual contributions to the project should be included. The entry will be judged as a team, with all team members receiving the same ribbon placing.
4. Creating a video of your robot in action is recommended but is not mandatory. Present as a CD with your robot entry.

DEPARTMENT H – DIVISION 861 - ROBOTICS

Division	Class	Pay	Purple	Blue	Red	White
861	001-007		\$2.50	\$2.00	\$1.50	\$1.00
861	901-903		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001 **Robotics Poster** (SF236) – Create a poster 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.
- SF) 002 **Robotics Notebook** (SF237) – Explore a robotics topic in-depth and present your findings in a notebook. Documentation should include any designs, research, notes, pseudocode, data tables, or other evidence

of the 4-H'ers learning experience. The notebook should contain at least three pages. Topics could include a programming challenge, programming skill, calibration, sensor exploration, or any of the topics suggested in Class 1 or junk drawer robotics level 3 and 4.

- SF) 003** **Robotics Video** (SF238) – 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 pseudocode and screenshots of the actual code with a written description of the icon/command functions.
- SF) 004** **Robotics Careers Interview** (SF239) – Interview someone who is working in the field of robotics and research a 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. Multimedia reports should be between 3 to 5 minutes.
- SF) 005** **Rotation Sensor Notebook** (SF241) – Write pseudocode which includes at least three sensor activity. Include the code written and explain what the code function is and how you would change it to improve either the function or the code.
- SF) 006** **Build a Robot (may use kit)** (SF243) – Include a robot and a notebook including the pseudo codes for at least one program you have written for the robot, the robots purpose, and any challenges or changes you would make in the robot design or programming. If robot is more than 15" wide and 20" tall they may not be displayed in locked cases. We recommend that you submit the project under class SF) 003 – Robotics Video. Junk Drawer Robotics do not quality.
- SF) 007** **Kit Labeled Robot (cannot be programmed)** (SF243) – This class is intended for explorations of robotic components such as arms or vehicles OR educational kits marketed as robots that do not have the ability to be programmed to "sense, plan and act." The exhibit should include a 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" wide and 20" tall they may not be displayed in locked cases. We recommend that you submit the project under class SF) 003 – Robotics Video.
- SF) 008** **3D Printed Robotics Parts** (SF244) – This class is intended for youth to create parts through 3D printing that help create their robot or aid the robot in completing a coded function. Project should include notebook describing the process used to create the project, describe the success of your designed piece (did it work), intended use of the product and the modifications made to the item.

C) 901-903 County Only Display – Any other item completed as part of this project



DEPARTMENT: SCIENCE, ENGINEERING, & TECHNOLOGY
AREA: ATV & SMALL ENGINE

CURRICULUM & RESOURCES
B I A

DEPARTMENT H – DIVISION 890 – ATV & SMALL ENGINE

»» AREA RULES – SMALL ENGINE & VEHICLE RESTORATION

5. Contact the Extension Office prior to check in day to make arrangements for early displaying of oversized exhibits.
6. Displays need to be mounted on 1/4" board and should be no larger than 24" x 32".
7. Posters can by any size up to 14" x 22".
8. Ag Society is not responsible for damage to any small engine or vehicle.

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
890	All Classes	1	\$2.50	\$2.00	\$1.50	\$1.00

- C) 910** **ATV Safety Poster**– Poster displaying photos of yourself demonstrating safety measures necessary for ATV operation. Posters are not to exceed 14" x 22".
- C) 920** **ATV Anatomy Poster**– Poster displaying ATV anatomy (parts). Posters are not to exceed 14" x 22"
- C) 930** **Small Engine Display/Item Unit 1**– Show an application of one of the concepts learned in the Crank It Up manual (examples: identify the parts of a small engine, safety rules for starting a small engine, small engine repair tool identification). Exhibit may be a poster display or actual item.
- C) 940** **Small Engine Display/Item Unit 2**– Show an application of one of the concepts learned in the Crank It Up manual (examples: identify the parts of a small engine, safety rules for starting a small engine, small engine repair tool identification). Exhibit may be a poster display or actual item.
- C) 950** **Other Item**– Other item displaying the knowledge gained in this project.



»» AREA RULES – WELDING

1. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks.
2. Display or posters can be any size up to 28" x 22" x .25". Nothing should be mounted within 3/4 inch of the top or bottom of the board or poster.
3. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit. Demonstration boards should include an overall title for the display, plus other necessary labeling.
4. Display Boards
 - On display board attach each weld on a wire loop hinge or equivalent, so the judge can look at the bottom side of the weld when necessary. 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.
 - Each weld should be labeled with information stated
 - i. type of welding process (stick, MIG, TIG, Oxy-Acetylene, etc.)
 - ii. kind of weld
 - iii. welder setting
 - iv. electrode/wire/rod size
 - v. electrode/wire/rod ID numbers.
5. Welding Joints
 - a. All welds should be made with the same electrode/wire/rod size and number.
 - b. Welds should be made only on one side of metal so penetration can be judged.
 - c. 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.
 - d. It is suggested that all welds be of the same size and thickness as metal. These pieces, referred to as coupons, should be 1 1/2" to 2" wide and 3 1/2" to 4" 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 sold 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.
 - i. Stick welding – Suggested coupon thickness is 1/4" if using 1/8" rod. Suggested rod AC and DC straight or reverse polarity-first E-7014, second E-6013
 - ii. MIG Welding – Suggested coupon thickness is 1/4" if using .035 wire and 1/8" if using .023 wire
 - iii. Oxy-Acetylene – Suggested coupon thickness is 1/8". Suggested rod – 1/8" mild steel rod
6. 2 Position Welds
 - a. It is suggested that all welds be on the same size and thickness of metal. These pieces are referred to as coupons. The welds can be on one coupon that is about 4" x 4" or on individual coupons that are about 2" x 4" 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.
 - b. 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.
7. Welding Article
 - a. All welds should be cleaned and protected from rust with paint or light oil. Plans are to be complete enough that if they were given to a welding shop, the item could be made without further instructions. Bill of materials should include a cost for all items used including steel, electrodes, paint, wheels, etc.

DEPARTMENT H - DIVISION 920 – WELDING

Division	Class	Pay	Purple	Blue	Red	White
920	001-005		\$2.50	\$2.00	\$1.50	\$1.00
920	901-903		\$2.50	\$2.00	\$1.50	\$1.00

- SF) 001** **Welding Joints** (SF281) – A display of one butt, one lap and one fillet weld.
- SF) 002** **Position Welds** (SF281) – A display showing three beads welded in the vertical down, horizontal and overhead positions.
- SF) 003** **Welding Article** (SF281) – Any shop article where welding is used in construction. 60% of the item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. All plans, plan alterations, and a bill of materials must be attached to the article. Project plans with a cover. If a project is designed to be outside it is required to have an appropriate outdoor finish because the project may be displayed outside.
- SF) 004** **Welding Furniture** (SF282) - any furniture with 75% welding is used in the construction. 60% of the item must be completed by 4-Her and notes regarding laser welding or machine welding must be included. All plans, plan alternations, and a bill for materials must be attached to the article. Protect plans with a cover. If a project is designed to be outside it is required to have an appropriate outdoor finish because item may be displayed outside.
- SF) 005** **Plasma Cutter/Welder Design** (SF279) – Plasma cutters/welders allowed for detailed design(s) to butt cut into metal. 4Hers will create a notebook describing the design process to create the “artwork” to butt cut into the metal. This exhibit is not eligible for entry at the State Fair. In the notebook include A) photo (front and back) of the finished project. Also include detailed photographs of the project to allow judges to examine cuts. B) Instructions on how the design was created, this allows for replication of the project C) Lessons learned or improvements to the project
- SF) 006** **Composite Weld Project** (SF280) – 60% of the project must be welded and 40% made from other materials such as wood, rubber, etc. All plans, plan alterations, and a bill for materials must be attached to the article. Protect plans with a cover. If a project is designed to be outside, it is required to have an appropriate outdoor finish because project may be displayed outside.
- C) 901-903** **County Only Display** – Any other item completed as part of this project.



DEPARTMENT: SCIENCE, ENGINEERING, & TECHNOLOGY
AREA: WOODWORKING



CURRICULUM & RESOURCES

- Woodworking Wonders 1: Measuring Up **B**
- Woodworking Wonders 2: Making the Cut **B**
- Woodworking Wonders 3: Nailing It Together **I**
- Woodworking Wonders 4: Finishing Up **A**



AREA RULES – WOODWORKING

1. **Youth can ONLY enter exhibits into ONE Woodworking Unit.**
 - a. Youth enrolled in projects should continue their skill development. Once they have exhibited in a higher level, they are not eligible to exhibit in a lower level. Ex. Once you exhibit in Unit 2, you are not eligible to exhibit in Unit 1.
2. 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 from the original need to be noted on the plans. All plans used for making the article must be securely attached and protected by a clear plastic cover.

DEPARTMENT H – 911 – WOODWORKING

Division	Class	Pay	Purple	Blue	Red	White
911	901-908		\$2.50	\$2.00	\$1.50	\$1.00
911	001-002, 005		\$2.50	\$2.00	\$1.50	\$1.00
911	003, 004, 006, 010		\$2.50	\$2.00	\$1.50	\$1.00

MEASURING UP – UNIT 1


- C) 901** **Woodworking Article** (SF91) – Item made using skills learned in the Measuring Up project guide. Examples include recipe holder, stilts or other skill level appropriate item. Items should be entered with construction plans.

- C) 902 **Woodworking Display** (SF91) – Display exemplifying one of the principles learned in the Measuring Up project.
- C) 903 **Recycled Woodworking Article** (SF91) – Article made from recycled, reclaimed, or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques learned in the Measuring Up project. The 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.
- C) 904 **Other Items: Unit I** (SF91) – Other article as shown in Woodworking Unit I manual or comparable.

MAKING THE CUT – UNIT II

- C) 905 **Woodworking Article** (SF91) – Item made using skills learned in the Making the Cut project guide. Examples Include: birdhouse, foot stool, and napkin or letter holder. Items should be entered with construction plans.
- C) 906 **Woodworking Display** (SF91) – Display exemplifying one of the principles learned in the Making the Cut project.
- C) 907 **Recycled Woodworking Article** (SF91) – Article made from recycled, reclaimed, or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques learned in the Measuring Up project. The 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.
- C) 908 **Other Items: Unit II** (SF91) – Other article as shown in Woodworking Unit II manual or comparable.

NAILING IT TOGETHER – UNIT III


- SF) 001 **Woodworking Article** (SF91) – Item made using skills (joints, hinges, dowels, or a dado joining) learned in the Nailing it Together project guide. Examples include: bookcase, coffee table or end table. The item is required to be appropriately finished.
- SF) 002 **Woodworking Display** (SF91) – Display exemplifying one of the principles learned in the Nailing It Together project. Examples include measuring angles, wood lamination and joint types.
- SF) 003 **Recycled Woodworking Display** (SF91) – Article made from recycled, reclaimed, or composite wood. Article must be appropriately finished and/or sealed and utilize one or more woodworking techniques from page 2 of the Unit 3 manual.  **The 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

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

- SF) 004 **Composite Wood Project** (SF96) – 60% of the project must be wood and 40% made from other materials such as metal, rubber, resin, etc. All plans and plan alterations must be attached to the article. Protect plans with a cover. If a project is designed to be outside it is required to have an appropriate outdoor finish because the project may be displayed outside.
- SF) 005 **Outdoor Wood Project made with Treated Wood** (SF97) – Treated wood projects DO NOT have to have a finished coating. All plans and plan alterations must be attached to the article. Protect plans with cover. If the project is designed to be outside. Examples include picnic tables, planters, outdoor furniture, etc.
- C) 907 **Other Items: Unit III** (SF91) – Other article as shown in Woodworking Unit III manual or comparable.

FINISHING UP – UNIT IV

- SF) 006 **Woodworking Article** (SF91) – Item made using skills learned in the Finishing It Up Project. Examples include dovetailing, making a pen using lathe, overlays, using a router, etc. The item is required to be appropriately finished.
- SF) 007 **Woodworking Display** (SF91) – Display exemplifying one of the principles learned in the Finishing It Up Project. Examples Include: career opportunities, types of finishes or dovetailing.
- SF) 008 **Recycled Woodworking Display** (SF91) – Article made from recycled, reclaimed, or composite wood. Article must be appropriately finished and/or sealed and utilize one or more woodworking techniques from page 2 of the Unit 4 manual.  **The 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.

Engineering Design Process

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

C) 908

Other Items: Unit IV (SF91) – Other article as shown in Woodworking Unit IV manual or comparable.

4-H CLOVER KIDS



CURRICULUM & RESOURCES

Aerospace 1: Pre-Flight	B
Animal Caretaker	B
Bottle Fed Lamb	B
Chickens	B
Rabbit	B
A Space for Me	B
STEAM Clothing: Beyond the Needle	B
Family Celebration from Around the World	B
Just Outside Your Door	B
Making Foods for Me	B
Theatre Arts 1: Play the Role!	B

»» AREA RULES – CLOVER KIDS

- All Clover Kids activities will be non-competitive with youth receiving Rainbow Ribbons.
- Clover Kids may exhibit one (1) entry per class. Entries/exhibits will be entered at the county fair on entry day with all other static exhibits. Clover Kids will have the opportunity to talk about their projects when they come on entry day.
- Showmanship and Pet Show
 - Animal ID and entries forms should be turned into the office by a week before fair.** Any companion or livestock animal may be shown.
 - Bucket Calves: the maximum weight limit for bucket calves shown in the Clover Kid Pet Show is 350 pounds.
 - Ponies: the State 4-H office is no longer allowing Clover Kids to show horses or ponies, therefore they will not be allowed to be shown in the Clover Kids Pet Show.
- Pre-Fair Contests
 - Clover Kids wanting to participate in the Clover Kid division of pre-fair contests must be pre enter and following guidelines.
 - Pre-Fair Contests include: Speech, Music Contest, Favorite Food Revue, Fashion Show

DEPARTMENT Z - DIVISION 100 – CLOVER KIDS

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Participation</i>
100	All Classes	7	\$1.00

AEROSPACE

- C) 901 Rocket Drawing** – Draw a rocket and label the three main parts (cone, body, and fins).
- C) 902 Bird/Plane Drawing** – Draw your favorite bird or plane.
- C) 903 Paper Flyers** 🦋 – Make your favorite paper flyer (airplane, helicopter, or rocket)

ANIMAL CARETAKER

- C) 904 Critter Drawing** – Draw an animal and identify its body parts.
- C) 905 Animal Care Checklist** – Keep a record for one week of how you care for your animal (food, water, shelter, exercise, grooming and attention).
- C) 906 Animal Sculpture** – Make or paint a sculpture of your favorite animal.
- C) 907 Animal Accessory** – Create or decorate a collar, food bowl, bed, toy, etc.

A SPACE FOR ME

- C) 908 Upcycled** – Home item made from recycled items.
- C) 909 Banner** – Include at least four pennant hung by string.
- C) 910 No Sew Accessory** – Make a no sew home accessory (pillow, blanket, dog bed, etc)

- C) 911 **Wall Hanging** 🍀 – Make an item which can decorate a wall.
- C) 912 **Pizza Color Wheel** – Include primary and secondary colors.
- C) 913 **Sponge Paint Picture** – Painting may use pre-made or DIY sponges.

BEYOND THE NEEDLE

- C) 914 **Decorate a T-Shirt** – Any method, without using an iron or sewing machine.
- C) 915 **Decorate an Accessory** – Any method, without using an iron or sewing machine.

FAMILY CELEBRATION FROM AROUND THE WORLD

- C) 916 **Mexican Piñata** – Exhibit without candy and attach to a clothes hanger.
- C) 917 **Carp Kite** – Create one carp or a family of carp kites.
- C) 918 **Mother's/Father's/Grandparent's Day Poster** – Design a poster about your mom, dad, grandfather or grandmother and you. A story, poem or pictures may be used.
- C) 919 **May Basket** – Make a May Basket you could give to a special friend.
- C) 920 **4th of July** – Make an American flag or firecracker using medium of choice.

JUST OUTSIDE THE DOOR

- C) 921 **Bird Feeder or Bird House** 🍀 – Build a bird feeder or house from a kit or recycled items.
- C) 922 **Water Picture** – On 8 ½" x 11" paper show what you have discovered about water (any medium).
- C) 923 **Growing Seed** 🍀 – Any seed you have planted in a small container.
- C) 924 **Insect Model** – Create your very own insect using any kind of non-edible media and include all the parts of an insect: 6 legs, one pair of antennae and three body sections.
- C) 925 **Seed Medallion** – Use a 4" circle of cardboard and any kind of seeds to make a medallion. Use string, yarn or any other material to make a loop.
- C) 926 **Boat** 🍀 – Using any type of medium create a small boat that can really float!
- C) 927 **Stepping Stone** – Create your very own stepping stone out of cement & decorate.
- C) 928 **Wildlife Explorer** – Learn about different habitats and create a picture or model about what was learned or the animals which live there.

MAKING FOODS FOR ME

- C) 929 **Placemat** – Colored and decorated. Lamination or protection with clear contact paper advised. (Making Foods for Me, center page)
- C) 930 **Food Cards** – Neatly cut and colored Food Cards, in self-sealing plastic bag or other secure container. (Making Foods for Me Leaders Guide, p. 67 - 69)
- C) 931 **Grain Collage** – Neatly cut and pasted pictures of grains cutout and displayed on collage. (Making Foods for Me Leaders Guide, p. 40)
- C) 932 **Tasting Party** – Completed Dairy Tasting Party (Making Foods for Me, p. Page 17)
- C) 933 **Protein Collage** – Neatly cut and pasted pictures of protein sources and foods displayed on collage. (Making Foods for Me Leaders Guide, p. 53)
- C) 934 **Healthy Snack** 🍀 – 1 cookie, bar, muffin, or snack mix (1/2 cup) on paper plate inside a zip lock bag.
- C) 935 **Food Pyramid**

THEATER ARTS

- C) 936 **Homemade Puppet** 🍀
- C) 937 **Picture Stories** – Fold paper into three sections and draw a story (character, problem, solution). (Play the Role, p. 24)
- C) 938 **Stage Pictures** – Include at four pictures with captions which show different emotions. Pictures can be cut from a magazine, drawn, or taken with a camera. (Play the Role, p. 26)

MISCELLANEOUS

- C) 939 **Community Service** 🍀 – Picture of youth completing a community service project.
- C) 940 **Car** 🍀 – Build a car from a kit or from recycled items.
- C) 941-944 **Other Items made by a Clover Kid**

CLOVER KID ACTIVITIES

- C) 945 **Fashion Show**
- C) 946 **Pet Show**
- C) 947 **Showmanship**

🍀 = Clover Kid projects which overlap with Cub Scout projects

CONTESTS

»» CONTESTS

1. Contests are open to any currently enrolled 4-H Member. Participants do not have to be currently enrolled in the project(s).
2. Contests Include:
 - **Favorite Food Revue**
 - **Music Contest**
 - **Horticulture & Wildlife Contest**
 - **BB Gun**
 - **Shotgun & Trap**
3. Pre-registration is required

FAVORITE FOOD REVUE

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
200		2	\$4.00	\$3.00	\$2.00	\$1.00

1. **ENTRY LIMITS** – In the Food & Nutrition and Creative Food Artistry projects 4-H members are allowed entries in only ONE LEVEL of competition (Beginning, Intermediate, or Advanced). 4-H members may only enter ONE EXHIBIT per class in ALL projects.
2. **LABELING & PACKAGING** –
 - Each exhibit must include the recipe. 4-H exhibits not having the recipe will be lowered one ribbon.
 - Recipe can be handwritten, typed or photocopied.
 - Exhibits should be placed on the appropriate size paper plate and placed in a self-sealing bag.
 - Attach entry tag and recipe at the corner of the bag outside.
 - All additional information (recipes, special items, etc.) must be labeled with the exhibitor's name and county.

- C) 901 **Junior Division-** 8 to 10 years of age
 C) 902 **Intermediate Division-** 11 to 13 years of age
 C) 903 **Senior Division** - 14 years of age and older

MUSIC CONTEST

<i>Division</i>	<i>Class</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
200		\$4.00	\$3.00	\$2.00	\$1.00

1. **DIVISIONS** –Senior Division: 4-H members ages 12 years of age and up (as of December 31st)
 Junior Division: 4-H members ages 8 to 11 years of age (as of December 31st)
2. **GROUPS** – Each group must have three or more participants; all must be 4-H members. A 4-H member may sing or perform in only one group; but may accompany another group.
3. **BANDS** – All performers in the band class must be 4-H members. Participants must provide their own music stands.
4. **TIME LIMIT** – Each group is allowed two minutes after the cue from the contest chair to arrange themselves on stage and begin performing. Props if used, must be in place within the two-minute time limit. The performance of each group is limited to not more than six minutes.
5. **SONG SELECTION** – Any number of songs may be performed within the six-minute time limit. Groups may perform any selection of their choice.
6. **DIRECTOR** – Song groups, combos, and bands may appear with or without a director. The director must be a 4-H member.
7. **ACCOMPANIMENT** – Recorded background music (no lyrics) may be used. Performing groups must bring a copy of their music (CD, tape, etc.) if using recorded background music. Piano, guitar, or other instruments may also accompany groups. Live accompaniment, if used, may be by a 4-H member, parent, leader, volunteer, or music teacher. Not more than one adult may accompany a group.

- CLASS 901** **Dance Solo Routine** Junior Division
CLASS 902 **Dance Solo Routine** Senior Division

CLASS 903	Dance Pairs Routine	Junior Division
CLASS 904	Dance Pairs Routine	Senior Division
CLASS 905	Dance Group Routine	Junior Division
CLASS 906	Dance Group Routine	Senior Division
CLASS 907	Vocal Music Solo	Junior Division
CLASS 908	Vocal Music Solo	Senior Division
CLASS 909	Vocal Music Duet	Junior Division
CLASS 910	Vocal Music Duet	Senior Division
CLASS 911	Vocal Music Group	Junior Division
CLASS 912	Vocal Music Group	Senior Division
CLASS 913	Instrumental Music Solo	Junior Division
CLASS 914	Instrumental Music Solo	Senior Division
CLASS 915	Instrumental Music Duet	Junior Division
CLASS 916	Instrumental Music Duet	Senior Division
CLASS 917	Instrumental Music Group	Junior Division
CLASS 918	Instrumental Music Group	Senior Division
CLASS 919	Band	The group must be 3 or more individuals with instruments of their choice, including piano. May include vocalist.

HORTICULTURE & WILDLIFE CONTEST

<i>Division</i>	<i>Class</i>	<i>Pay</i>	<i>Purple</i>	<i>Blue</i>	<i>Red</i>	<i>White</i>
500		2	\$2.50	\$2.00	\$1.50	\$1.00

- ELIGIBILITY** - All currently enrolled 4-H members are eligible to participate in the horticulture contest regardless of projects carried.
- CONTEST PARTS – IDENTIFICATION** – Senior and Intermediate Divisions will be expected to identify 60 specimens. The Junior Division will be expected to identify 30 specimens. Specimens will include flowers, fruits, woody ornamentals, and vegetables. **JUDGING** – Four classes of plants will be judged as availability permits. Each class will consist of 4 plates of fruits or vegetables or bulbs OR 4 individual plants or containers OR 4 containers of cut flowers. Plant material within each class will be ranked 1 thru 4 (with one being the best). **QUIZ**- A multiple choice, true/false test will be given. Questions will be taken from 4-H horticulture project materials.

- C) **901** **Senior Division**- 14 years of age and older
C) **902** **Intermediate Division**- 10 to 13 years of age
C) **903** **Junior Division**- 8 to 9 years of age

BB GUN CONTEST- DEPARTMENT F- DIVISION 503

- ENROLLMENT** - 4-H members participating in the 4-H Shooting Sports project must be under the direct supervision of a certified 4-H Shooting Sports instructor.
- EQUIPMENT** - Participants must provide their own gun, safety glasses, earplugs, and other required equipment (unless otherwise noted). Guns used for competition are to be carried in a box or case.
- DRESS CODE** - Participants must wear an approved 4-H t-shirt for the county contests. During severe weather conditions required 4-H attire shall be at the discretion of the contest superintendent.
- PERMISSION WAIVER** - Parents/guardians must sign a permission waiver and submit it to the Johnson County Extension Office by close on June 15 to participate in the county shooting sports contests.
- HUNTER EDUCATION** - 4-H members participating in shotgun disciplines must have completed Firearm Hunter Education. A copy of their card certifying completion must be submitted to the Johnson County Extension Office by close on date specified by the Extension Office to participate in the county contest.
- UNSAFE PRACTICE** - Participants exhibiting unsafe practices may be disqualified from the contest at the discretion of the superintendent.
- NRA RULE BOOK** – The Johnson County 4-H BB Gun Contest will follow the NRA 5 meter BB gun rules.
- GUNS** – Only smooth bore guns will be allowed. If air rifles are used during the BB Gun Contest, they are limited to 2 pumps.
- CONTEST OVERVIEW** – Ten shots will be fired from 5 meters in the following positions: prone, standing, sitting, kneeling (fired in this order) for a total of 40 shots. Male and female contestants will compete together.
- TIME LIMIT** – Each contestant will be allowed 10 minutes for record shots plus sighters per target.

11. **TARGETS** – NRA 12 bull (10 bulls plus 2 sighters) targets will be used. Contestants will fire one shot at each bull. Each contestant will be issued all targets before the match and is responsible for posting them.
12. **EQUIPMENT** – Participants must provide their own gun, BBs, and safety glasses. Participants are required to wear eye protection.
13. **ADULT ASSISTANCE** – Parents/guardians are encouraged to assist youth with loading and cocking rifles on the firing line. Each participant must have a coach on the firing line.
14. **ENTRY LIMITS** – Youth may only participate in one BB Gun class.

BB GUN- OPEN IRON SITES & PEEP SITE

DEPARTMENT F

CLASS 901	Senior Division	DIVISION 503 13 to 15 years of age
CLASS 902	Intermediate Division	10 to 12 years of age
CLASS 903	Junior Division	8 to 9 years of age
CLASS 904	Senior Plus Division	16 year of age and older

SHOTGUN EVENT- TRAP SHOOTING- DEPARTMENT F- DIVISION 504

1. **EQUIPMENT** – Participants must provide their own gun, ammunition, safety glasses, and earplugs. Participants are required to wear eye protection.
2. **HUNTER EDUCATION** – All participants must have a copy of their Firearm Hunter Education certification card on file with the Johnson County Extension Office prior to participating.
3. **DISCIPLINES** – Male and female 4-H members will compete together in all disciplines.
 - Trapshooting – 50 shots, 16 yards and 25 rocks, handicap

DEPARTMENT F

Senior Division	DIVISION 504 15 to 18 years of age
Intermediate Division	12 to 14 years of age

Johnson County Fair Animal Dismissal Form

All horse, sheep, goats, swine, beef, rabbits, or poultry leaving the fairgrounds prior to checkout must complete this form. Failure to complete this form will result in the forfeiture of all premium monies (including premium sale monies) and ribbons/plaques/trophies. Excluding Clover Kids.

Please complete one form for EACH animal that is removed!

4-Her's Name _____

Animal ID _____

Date _____

Time _____

Reason for Dismissal:

_____ Animal Illness (list)

_____ Emergency (explain)

Two supervisory signatures are required prior to removal of the stalled animal.

Superintendent of the Area (or) Overall Superintendent

Extension Educator (or) Licensed Veterinarian (or) 4-H Council President

CLAIM REPORT

To be completed by the Camp Director,
Chaperone, or Group Leader of the Event.



American Income Life Insurance Co.
Special Risk Division
P.O. Box 50158
Indianapolis, IN 46250
800-849-4820

P Policy # _____ Policy Holder: _____
A Serial # _____ Dates Person Was Insured _____ to _____
R _____
T Name of Camp/Club/Group _____

1 For prompt service please attach all itemized bills for services rendered (doctor, hospital and prescriptions).

P Name of Patient _____ **Patient is:**
A Patient Date of Birth _____ Age _____ Sex M F Camper/Member
R Home Address of Patient _____ Counselor/Instruct.
T _____ Salaried Staff
2 City _____ State _____ Zip _____ Eligible Work Comp.
 Summer Staff
 Volunteer Leader

INJURY REPORT	ILLNESS REPORT
P Date of Injury: _____ Time: _____	Date Insured First Noticed Symptoms: _____
A Group Activity: _____	Nature of Illness: _____
R Describe How and Where Injury Occurred (explain fully): _____	Was this condition already present before this person became insured? <input type="checkbox"/> Yes <input type="checkbox"/> No
T _____	If YES, please explain: _____
3 _____	_____
Office Use: _____	Office Use: _____

If there was no medical treatment during insured period, was injury or illness reported to staff member? Yes No

Verification Signature - UNRELATED to patient

P I hereby certify that this was a supervised group activity sponsored by the organization covered under this policy.
A I was the: Camp Director Chaperone Group Leader Other (define) _____
R Contact (Print Name) _____ Title: _____
T _____
4 Signed: _____
 Name of Camp/Org. _____ Day Time Phone: _____

ASSIGNMENT FORM

I hereby authorize the American Income Life Insurance Company to pay benefits on the above claim to:

P Medical Provider(s) [Check is sent directly to the facility providing the medical services.]
A (Payee Name) _____ is to be reimbursed. **Receipts must be enclosed**
R Address _____ City _____ State _____ Zip _____
T _____
5 Date _____ Signed _____

Johnson County Fair Protest and Appeals Committee Form

Persons Involved: _____

Concerns: _____

Situation: _____

Recommendations for Correction: _____

(Add additional pages as needed)

All protests or appeals must be submitted in writing and signed. Written protests or appeals must be submitted to the County Extension Staff.

Signature

Appendix D

ANIMAL IDENTIFICATION GUIDELINES – 2022

		<i>Nomination/Identification Requirements</i>		<i>Nomination/Identification Deadline</i>		<i>Entry Deadline</i>	
		<i>County</i>	<i>State</i>	<i>County</i>	<i>State</i>	<i>County</i>	<i>State</i>
Beef	Market	4-H Tag or EID Tag ID Sheet	EID Tag & DNA Online Nomination	----	June 15	June 15	August 10 By 8pm
	Breeding	4-H Tag or Tattoo ID Sheet	Tattoo Online Nomination	June 15	June 15	June 15	August 10 By 8pm
	Feeder Calves	4-H Tag or EID Tag ID Sheet	EID Tag & DNA Online Nomination	June 15	June 15	June 15	August 10 By 8pm
	Bucket Calf	4-H Tag ID Sheet	<i>No Class</i>	June 15	----	June 15	----
Dairy	Cattle	ID Sheet with Drawing	ID Sheet with Drawing	June 15	June 15	June 15	August 10 By 8pm
	Goat	Scrapies Tag ID Sheet	<i>No Class</i>	June 15	----	June 15	----
Meat Goat	Breeding	Scrapies Tag ID Sheet	Scrapie Tag Online Nomination	June 15	June 15	June 15	August 10 By 8pm
	Market	Scrapies Tag ID Sheet	Scrapie Tag & DNA Online Nomination	June 15	June 15	June 15	August 10 By 8pm
Horse	All	ID Sheet with Drawing	ID Sheet with Drawing	June 15	June 1 By 5pm	June 15	June 1 By 5pm
Poultry	All	ID Sheet	<i>No Nomination</i>	June 15	----	June 15	August 10 By 8pm
Rabbit	Market	Tattoo ID Sheet	<i>No Nomination</i>	June 15	----	June 15	August 10 By 8pm
	Breeding	Tattoo ID Sheet	Tattoo	June 15	----	June 15	August 10 By 8pm
Swine	Market	4-H Tag or EID Tag ID Sheet	EID Tag & DNA Online Nomination	June 15	June 15	June 15	August 10 By 8pm
Sheep	Breeding	Scrapie Tag ID Sheet	Scrapie Tag Online Nomination	June 15	June 15	June 15	August 10 By 8pm
	Market	Scrapie Tag ID Sheet	Scrapie Tag & DNA Online Nomination	June 15	June 15	June 15	August 10 By 8pm

Animal Lease Agreement Form

The 4-H Lessee Agrees to:

- ✓ Assume agreed upon care (Housing of Animal; Time Spend with Animal; Breeding; etc.)

- ✓ Assume agreed upon finances (Feed; Veterinary Care/Cost; Transportation of Animal, etc)

Owner's Signature _____

Date _____

Member's Signature _____

Date _____

Static Project Write Up

NAME _____	COUNTY _____
DEPARTMENT	
DIVISION	
CLASS	

Description of your item, why you chose it, what you learned, and what you would change if you made it again. *Pictures and financial data are encouraged.*

Photography Personal Data Tag

Personal Data Tag: Part A

<p>Tell us about you:</p> <p>Name: _____</p> <p>Age: _____</p> <p>County: _____</p> <p>Years in the Photography Project: _____</p> <p>Years in the Current Unit: _____</p> <p>Unit: _____</p> <p>Class: _____</p>	<p>Tell us about your camera and your settings:</p> <p>Camera Description: _____ <i>(make and model)/(digital/film, fixed/auto/SLR)</i></p> <p>Film Speed/ISO Setting: _____ <i>(This is a number)</i></p> <p>Camera Setting: _____ <i>(Ex: landscape, sport, etc.)</i></p> <p>Flash: _____ <i>(Flash, natural or artificial light used)</i></p> <p>Filter Used (if any): _____ <i>(Ex: color, screen, etc.)</i></p> <p>Special Lens Used (if any): _____ <i>(wide-angle, telephoto, micro)</i></p> <p>Focus Type: _____ <i>(Automatic, Manual, Fixed)</i></p> <p>Aperture Type/F Stop Setting: _____ <i>(This is a number)</i></p> <p>Shutter Speed Setting: _____ <i>(This is a number)</i></p> <p>Did you adjust manually? _____ <i>(Yes or no)</i></p>
---	---

Personal Data Tag: Part B

Level 2 and Level 3:

1. How was the photo taken and printed (name the equipment and software used)?
2. Describe any changes made to the picture using computer software.
3. What did you intend to capture and what do you like about this photo?

Level 3:

4. Describe the science of taking a photo.

Home Environment Supporting Information Definitions

Elements of Design: A design is a visual plan you can use to create your 4-H project.

- ✓ **Color** - Color is described with the word's hue, value, and intensity. Hue refers to the name of the color—red or blue, for example. Value tells the lightness or darkness of a hue. Intensity refers to the brightness or dullness of a hue.
- ✓ **Line** - Lines can be horizontal, vertical, dotted, zig-zag, curved, straight, diagonal, bold, or fine. Lines can show direction, lead the eye, outline an object, divide a space, and communicate a feeling or emotion.
- ✓ **Shape/Form** - Line creates two dimensional or flat shapes. When shapes are three dimensional, we call them forms. A circle is a shape; a ball is a form. A square is a shape; a cube is a form. A drawing is a flat shape; a sculpture is a three-dimensional form.
- ✓ **Space** - Space refers to the area that a shape or form occupies. It also refers to the background against which we see the shape or form. Space can be defined as positive and negative. The positive space of a design is the filled space in the design—often it is the shapes that make up the design. Negative space is the background. The negative space in design is as important as the positive area.
- ✓ **Texture** - Texture is the surface quality of an item. It's how something feels when touched or looks like it would feel if touched. Sandpaper is rough. Velvet is smooth. Texture adds variety and interest.

Principles of Design: Some combinations of design elements (line, shape, color, texture, and space) work better than others.

- ✓ **Balance** - Balance gives a feeling of stability. An item that is symmetrically balanced is the same on both sides. Asymmetrical balance creates a feeling of equal weight on both sides, even though the sides do not look the same.
- ✓ **Emphasis** - Emphasis is the quality that draws your attention to a certain part of a design first.
There are several ways to create emphasis:
 - Use a contrasting color.
 - Use a different or unusual line.
 - Make a shape very large or very small.
 - Use a different shape.
 - Use plain background space.
- ✓ **Proportion** - Proportion refers to the relationship between one part of a design and another part or to the whole design. It is a comparison of sizes, shapes, and quantities.
- ✓ **Rhythm/Repetition** - Allows the eye to move from one part of a design to another part.
Rhythm can be created by:
 - Repeating a color, shape, texture, line, or space when designing.
 - Varying the size of objects, shapes, or lines in sequence (small to large).
 - Using a progression of colors from tints to shades (light blue to dark blue).
 - Shifting from one hue to a neighboring hue (yellow to yellow-orange to orange to red-orange to red).
- ✓ **Unity** - When things look right together, you have created unity or harmony. Lines and shapes that repeat each other show unity (curved lines with curved shapes). Colors that have a common hue are harmonious. Textures that have a similar feel add to unity.

Home Environment Supporting Information

NAME _____

COUNTY _____

1. Place an X next to the **ELEMENTS & PRINCIPALS** of design that apply to your exhibit and fill in the information needed.

_____	COLOR	<input type="checkbox"/> Primary Hues (red, blue, yellow)	<input type="checkbox"/> Secondary Hues (green, violet, orange)
		<input type="checkbox"/> Tertiary Hues (blue-green, yellow-orange, etc.)	<input type="checkbox"/> Warm Colors or <input type="checkbox"/> Cool Colors
_____	TEXTURE	The texture of exhibit is: _____ (smooth, rough, prickly, fuzzy, etc.)	
_____	SHAPE/FORM	<input type="checkbox"/> Two dimensional/flat (height, width, not thickness)	<input type="checkbox"/> Three dimensional (height, width, & depth)
_____	LINES have length and direction. Lines can be thick, thin, wavy, curly, jagged, or straight.	The exhibit shows lines by: _____	
_____	SPACE	<input type="checkbox"/> Allowing open area between and around objects.	
		<input type="checkbox"/> Creating an appearance of depth or distance (objects look near or far)	
_____	RHYTHM/REPETITION	The exhibit shows rhythm/repetition by: _____	
_____	BALANCE	<input type="checkbox"/> Symmetrical (mirror images)	<input type="checkbox"/> Asymmetrical (one side is different)
		<input type="checkbox"/> Radial Symmetry (design radiates out from the center)	
_____	EMPHASIS	The emphasis of exhibit is: _____	
_____	UNITY	The unity in the exhibit: _____	
_____	PROPORTION	Give an example of proportion in the exhibit: _____	

2. On the back of this paper, or on the static project write up sheet, write the steps taken to complete the exhibit.