2014

Kansas State Fair

Kansas 4-H

Supplemental Information

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Schedule of 4-H/FFA Events

Friday, September 5

9:00 am ..... 4-H/FFA Sheep and Swine Check in starts, Sheep, Swine and Goat Building
9:00 am ..... 4-H Centennial Hall Opens to Receive Exhibits
10:00 am ..... Judging of 4-H Home Environment Exhibits begins, 4-H Centennial Hall
10:00 am ..... Judging of 4-H Foods and Nutrition Exhibits begins, 4-H Centennial Hall
10:30 am ..... Judging of 4-H Clothing Exhibits begins, 4-H Centennial Hall
10:30 am ..... Judging of 4-H Fiber Arts Exhibits begins, 4-H Centennial Hall
11:00 am ..... Judging of 4-H Horticulture Exhibits begins, 4-H Centennial Hall
11:00 am ..... Judging of 4-H Geology and Lapidary Exhibits begins, 4-H Centennial Hall
10:00 am ..... 4-H/FFA Beef check in starts, Prairie Pavilion
11:30 am ..... 4-H/FFA Meat goat check in starts; Livestock Annex
12:00 noon ..... 4-H/FFA all Livestock must be on sight
1:00 pm ..... 4-H Poultry entry begins, Poultry Building
1:00 pm ..... Judging of 4-H Entomology Exhibits begins, 4-H Centennial Hall
1:00 pm ..... Judging of 4-H Aerospace Exhibits begins, 4-H Centennial Hall
1:00 pm ..... Judging of 4-H Wildlife Exhibits begins, 4-H Centennial Hall
1:00 pm ..... Judging of 4-H Forestry Exhibits begins, 4-H Centennial Hall
1:00 pm ..... Judging of 4-H Energy Management Exhibits begins, 4-H Centennial Hall
1:30 pm ..... 4-H/FFA Meat goat check in closes
2:00 pm ..... Judging of 4-H Woodworking Exhibits begins, 4-H Centennial Hall
3:00 pm ..... 4-H/FFA Sheep, Swine & Beef check in closes
2:00 pm ..... 4-H/FFA Sheep check in closes
3:00 pm ..... Judging of 4-H/FFA Crops Exhibits begins, Showcase Building
5:00 pm ..... 4-H Aerospace Review, 4-H Centennial Hall
5:00 pm ..... 4-H Exhibit Entries close, 4-H Centennial Hall
5:15 pm.....IFYE 4-H Food Sale, Centennial Hall
6:00 pm ..... 4-H/FFA Beef Showmanship, Prairie Pavilion
6:00 pm ..... 4-H/FFA Sheep Showmanship, Sheep Arena
6:00 pm ..... 4-H/FFA Swine Showmanship; Sheep, Swine and Goat Building
8:00 pm ..... 4-HPoultry entries close, Poultry Building
9:00 pm ..... 4-H Centennial Hall Closes

Saturday, September 6

8:00 am ..... 4-H/FFA Market Swine, Sheep, Swine and Goat Shows
8:00 am ..... 4-H/FFA Meat Goat Show; Livestock Annex
9:00 am ..... 4-H/FFA Market Beef Show, Prairie Pavilion
9:00 am ..... Judging of 4-H Food Preservation Exhibits begins, 4-H Centennial Hall
9:00 am ..... Judging of 4-H Photography Exhibits begins, 4-H Centennial Hall
9:00 am.....4-H Demonstrations, 4-H Centennial Hall
11:30 am ..... 4-H Wheat Variety plot Display Awards, Showcase Building
1:00 pm ..... 4-H Crops Identification Contest, Encampment Building
1:00 pm ..... 4-H Poultry Show, Poultry Building
3 to 5 pm ..... 4-H/FFA Holstein and Jersey Dairy Cattle check-in, Prairie Pavilion
5:30 pm ..... Results of Agriculture Education Exhibits Announced
6:00 pm ..... Grand Drive, Grand Gala will follow, Prairie Pavilion
9:00 pm ..... 4-H Centennial Hall Closes

Sunday, September 7

8:00 am ..... 4-H/FFA Breeding Heifer Show, Prairie Pavilion
8:00 am ..... 4-H/FFA Gilt Show; Sheep, Swine and Goat Building
9:00 am ..... 4-H/FFA Breeding Sheep Show
9:00 am.....4-H Demonstrations, 4-H Centennial Hall
10:30 am ..... 4-H Photography Judging Contest, Encampment Building
1:00 pm ..... FFA Tractor Troubleshooting.
2:00 pm ..... Agriculture Challenge of Champions Contest, Encampment Building

3:00 pm ..... 4-H/FFA Livestock Staggered Release Time begins
2:45 pm ..... 4-H Photography Judging Contest Awards, Encampment Building
9:00 pm ..... 4-H Centennial Hall Closes

Monday, September 8

9:00 am ..... 4-H/FFA Jersey, Holstein Dairy Cattle Show, Prairie Pavilion

Thursday, September 11

8:00am ..... 4-H/FFA Ayrshire, Brown Swiss, Milking Shorthorn Dairy Cattle Check-in, Prairie Pavilion
Noon – 9:00pm..... 4H/FFA Rabbit check – in Rabbit Building

Friday, September 12

8am - noon ..... 4-H/FFA Rabbit check – in, Rabbit Building
8:00 am ..... 4-H/FFA Horse Show Begins, Expo Center
12:30pm ..... 4-H/FFA Brown Swiss Dairy Cattle Show, Prairie Pavilion
3:00pm ..... 4-H/FFA Ayrshire Dairy Cattle Show, Prairie Pavilion
5:30 pm ..... 4-H/FFA Milking Shorthorn, Dairy Cattle Show, Prairie Pavilion
6:00 pm ..... Judging of 4-H/FFA Rabbit Fur Classes, Rabbit Building
8:00 pm ..... 4-H/FFA Dairy Goat check-in closes; Sheep, Swine and Goat Building
9:00 pm ..... 4-H Centennial Hall Closes

Saturday, September 13

Times Assigned..... Judging of 4-H Fashion Revue, Stringer Fine Arts Center, Hutchinson Community College
8:00 am ..... 4-H Horse Show, Expo Center
8:00 am ..... 4-H/FFA Dairy Goat Show; Sheep, Swine and Goat Building
8:00 am ..... 4-H Dog Show Check-In, Bison Arena
8:00 am ..... Judging of 4-H/FFA Rabbits, Rabbit Building
9:00 am ..... 4-H Dog Show Begins, Bison Arena
9:00 am.....4-H Demonstrations, Centennial Hall
10:30 am ..... 4-H Poultry Judging Contest, Encampment Building, Dillon Hall
3:00 pm ..... 4-H Poultry Judging Contest Results & Awards, Encampment Building, Dillon Hall
4:00 pm ..... 4-H Construction Fashion Revue, Encampment Building, Hansen Auditorium
5:00 pm ..... 4-H Buymanship Fashion Revue, Encampment Building, Hansen Auditorium
9:00 pm ..... 4-H Centennial Hall Closes

Sunday, September 14

7:30 am ..... 4-H Horse Show, Expo Center
8:00 am ..... 4-H/FFA Rabbit Showmanship and Judging Contests, Rabbit Building
9:00 am.....4-H Demonstrations, Centennial Hall
5:00 pm.....4-H/FFA Crops Released, Showcase Building
6:00 pm ..... 4-H Exhibits Released
8:00 pm ..... 4-H Centennial Hall Closes

Monday, September 15

8 to 11 am ..... Open to pick up entries.

4-H and FFA Rules

Accessibility Information: The Department of 4-H Youth Development, K-State Research and Extension, Kansas FFA, and the Kansas State Fair are committed to making their services, activities, and programs accessible to all participants. If you have special requirements because of physical, mental, learning, vision, hearing or other impairment, please contact the chair of your division or the Kansas State Fair office.

Copyright Laws: Exhibitors should avoid using copyrighted materials whenever possible by originating his/her own work. Exhibitors should use with caution a copyrighted and/or trademarked product or service (a brand name, label or product). The intent of using the copyright or trademark materials for educational purposes such as an exhibit, educational poster/display or public presentation is acceptable under the “Fair Use” (legal use) provision. “Fair Use” is a provision of the current copyright law that allows reproduction without payment or permission of limited portions of a copyrighted work for educational and other public interest purposes. Regardless of the “Fair Use” provision, the inference that a specific name brand product is good or bad inherently or through comparison must be done cautiously, using acceptable research/comparison methods and have a disclaimer that the conclusions are those of the participant

and not those of K-State Research and Extension. A copyright and trademark are legal methods used by writers, artists, corporations and others to protect their original work. Protected items may range from books to music, logos to computer graphics. Copyrighted and/or trademarked materials used in banners, displays, demonstrations, posters or other activities for endorsement or promotion instead of educational purposes will be disqualified and will not be displayed or receive ribbons or premium. The use and inclusion of specific brand names for educational purposes does not imply endorsement or refusal by the Department of 4-H Youth Development, Kansas State University Agriculture Experiment Station and Cooperative Extension Service or the State of Kansas.

Eligibility: Only Kansas 4-H members will be eligible to compete for prizes or participate in the 4-H division. Only purple award or State Fair blue exhibits selected in a previously designated competition may be exhibited in the 4-H division. Beef, Sheep, Swine and Meat Goat entries must be of blue ribbon quality. All contestants must have qualified through county, district or other competitive events or be approved by the local K-State Research and Extension Office. Kansas FFA members and 4-H members are eligible to enter beef, sheep, swine, meat goat, dairy cattle, dairy goats, crops, vegetables, and rabbits.

All exhibitors should check with their Local Extension Unit about county/district requirements that are in place to exhibit at the Kansas State Fair.

Entries: Pre-Entries will be accepted no later than August 15 or within 5 working days of the completion of the county fair for those counties having fairs after August 10 except for beef, sheep, swine and meat goat entries. All entries must be processed through the Extension Office. It is the responsibility of the individual 4-H or FFA member to pre-enter exhibits with the Extension Office or FFA Advisor by the local deadline. The www.ksre.ksu.edu/ksfair/ web site pre-entry system will be used for all exhibits except beef, sheep, swine and meat goat. If the exhibit requires an entry card, the form will be printed from the web site pre-entries and mailed to local Extension offices. Pre entries for the State 4-H Horse Show must be made on the www.ksre.ksu.edu/ksfair/ web site on or before August 1. To complete the entry, a fee of $5 per class must be sent to the State 4-H Office before August 1 to cover show expenses. A $5 per class entry fee will be charged for roping classes and an additional stock charge per class will be due to the State 4-H Office August 1. Fee will be determined by current stock contractor fee.

4-H/FFA Beef, sheep, swine and meat goat entries are due July 15! All entries must be processed through the appropriate Extension Agent or FFA Advisor. Entry forms are available at your local Extension office, FFA Chapter, or the KSF office.

Exhibits: No clothing or fiber arts exhibits will be removed for Fashion Revue Judging, the Public Fashion Revue, or any other contest.

Exhibitor: The exhibits must be the handiwork of the exhibitor; the grower, where agricultural exhibits are shown; and the owner and feeder, where livestock is entered. Exhibits must be the result of the current year's 4-H/FFA work. This rule shall be rigidly enforced to maintain the integrity of the youth programs. Exhibitors who are found by officials or elected local Boards of K-State Research and Extension to have left their livestock to the majority care of others, especially professional feeders/groomers, will be disqualified from the current Kansas State Fair, and be banned from future exhibition in the 4-H or 4-H/FFA divisions of the Kansas State Fair.

In Place and Release Times: All 4-H exhibits shall be checked in beginning at 9:00 am and must be in place by 5:00 pm, on the first Friday of the fair, unless exceptions are given in the specific division's rules like beef, sheep and swine. All exhibits in the 4-H Centennial Hall must remain in place until 6:00 pm on the second Sunday of the fair. Exhibitors will forfeit premium if exhibits are removed early. At the close of the fair, all exhibits are to be claimed by the exhibitors or parties representing the exhibitors. Those in charge assume no responsibility for exhibits left on the fairgrounds after the close of the fair. Some release dates and times vary by divisions so check your division for times.

Liability: Exhibits at the Kansas State Fair are entered and displayed at the risk of the exhibitor. The Kansas State Fair or 4-H Youth Development accepts exhibits and will exercise due care to protect them. 4-H or FFA 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.

Prizes: No exhibitor will be awarded more than one prize in any one class except in the livestock divisions. The group system of awards will be followed in all divisions except beef, sheep, swine, meat goats and horses. Four ribbon groups may be awarded: purple, blue, red, and white. Premiums will be paid only to the purple, blue, and red groups, with the purple and blue groupings receiving the same premium. The amount of the premium money apportioned will vary with the classes. Horses will be placed one through ten in each class. The premium funds listed in each division of this fair represent the funds available. In case there are fewer entries than anticipated, only as much of the premium as is needed will be apportioned among the exhibitors.

2014 4-H/FFA SCHEDULE

	ALLOWED IN TIE BARN	CHECK-IN AND TIME	SHOW DATE TIME	RELEASE BEFORE	VACATE
BEEF MARKET SHOW	Thursday, Sept 4 after 6:00 pm	Friday, Sept 5 10 am to 3 pm *Animals must be on-site by noon*	Saturday, Sept 6 9:00 am	Sunday, Sept 7 3:00 pm	Sunday, Sept 7 5:00 pm
BEEF BREEDING HEIFERS	Thursday, Sept 4 after 6:00 pm	Friday, Sept 5 10 am to 3 pm *Animals must be on-site by noon*	Sunday, Sept 7 8:00 am	Sunday, Sept 7 3:00 pm	Sunday, Sept 7 5:00 pm
DAIRY CATTLE-HOLSTEIN & JERSEY	Thursday, Sept 4 after 6:00 pm	Saturday, Sept 6 3pm to 5pm	Monday, Sept 8 9:00 am 4-H & Open Show	Monday, Sept 8 At Conclusion of Show	Monday, Sept 8
DAIRY CATTLE-MILKING SHORTHORN, AYRSHIRE, BROWN SWISS	Wednesday, Sept 10 1:00 pm	Thursday, Sept 11 8:00 am	Brown Swiss Friday, Sept. 12 12:30PM Ayrshire, Friday Sept. 12 3:00PM Milking Shorthorn: Friday, Sept 12 5:30PM	Sunday, Sept 14 4:00 pm	Monday, Sept 15 6:00 pm
DAIRY GOATS	Friday, Sept 12 after 10:00am	Friday, Sept 12 4pm to 8pm	Saturday, Sept 13 8:00 am	Sunday, Sept 14 4:00 pm	Monday, Sept 15 8:00 am
MEAT GOATS	Thursday, Sept 4 After 6:00 pm	Friday, Sept 5 11:30 am to 1:30 pm	Saturday, Sept 6 8:00 am	Sunday, Sept 7 3:00 pm	Sunday, Sept 7 5:00 pm
RABBITS	Thursday, Sept 11 Noon	Thursday, Sept 11 12 noon to 9 pm Friday, Sept 12 8 am to noon	Fur Friday Sept 12, 6:00 pm Saturday, Sept 13 8:00 am Showmanship & Judging Sunday, Sept 14, 8:00am	Sunday, Sept 14 6:00 pm	Monday, Sept 15 8:00 am
SHEEP MARKET SHOW	Thursday, Sept 4 after 6 pm	Friday, Sept 5 9 am to 2 pm *Animals must be on-site by noon*	Saturday, Sept 6 8:00am	Sunday, Sept 7 3:00 pm	Sunday, Sept 7 5:00 pm
SHEEP BREEDING SHOW	Thursday, Sept 4 after 6pm and Friday, Sept 7 by noon	Friday , Sept 5 9 am to 2 pm *Animals must be on-site by noon*	Sunday, Sept 7 9:00 am	Sunday, Sept 7 3:00 pm	Sunday, Sept 7 5:00 pm
SWINE MARKET SHOW	Thursday, Sept 4 after 6pm and Friday, Sept 5 by noon	Friday, Sept 5 9 am to 3 pm *Animals must be on-site by noon*	Saturday, Sept 6 8:00 am	Sunday, Sept 7 3:00 pm	Sunday Sept 7 5:00 pm

SWINE BREEDING SHOW	Thursday, Sept 4 after 6pm and Friday, Sept 5 by noon	Friday, Sept 5 9 am to 3 pm *Animals must be on-site by noon*	Sunday, Sept 7 9:00 am	Sunday, Sept 7 3:00 pm	Sunday, Sept 7 5:00 pm
HORSE SHOW	No earlier than noon Thursday, Sept 11	Before show time	Friday, Sept 12 8:30 am Saturday, Sept 13 8:00 am Sunday, Sept 14 7:00 am & noon	After event	Monday, Sept 15 8:00 am

*KSF has the right to relocate if animals are present in stalls when barn cleaning begins.

4-H/FFA Livestock Rules

Please read the General State Fair Livestock Rules in the Kansas State Fair Exhibitor Handbook by visiting http://tinyurl.com/oa4m8gu

1. All students currently enrolled in agricultural education and a bona fide Kansas FFA members or those secondary agricultural education students who intend to become FFA members are eligible to participate in the livestock shows. Secondary agricultural education includes grades 9-12. FFA members who have graduated from high school and paid their membership dues for the current year are eligible to exhibit if they are not yet 19 years of age before January of the current year. Only Kansas 4 H members who were 9 years of age but not yet 19 years of age before January 1 of the current year are eligible to compete in this division.
2. In order to exhibit 4-H/FFA market livestock, the member must have nominated the animal. 4-H/FFA members are expected to participate in a prior designated competition (i.e. county fair) within the same specie and project exhibit type (example: market beef). A different animal than the one exhibited may be shown at the State Fair, provided it has been carried in the same project. It shall be the responsibility of the local FFA advisor or the County/District Extension Agent to see that only State Fair quality livestock (blue or purple quality) are entered in the 4-H/FFA Livestock section of the Kansas State Fair. This will be necessary when the designated qualifying competitions fall after the entry deadline for the Kansas State Fair. See specie rules for nomination details.
3. Kansas 4-H/FFA Policy on previous sale of livestock: Any 4-H exhibit sold at public auction or by private contract is not eligible to be exhibited at the Kansas State Fair or Kansas Junior Livestock Show. Public auction includes: premium sale, ribbon auction, or similar event. If the project is sold, regardless of ownership changes, on the date of the transaction the 4-H member has given up the right to exhibit that specific animal or product in the future. In the case of livestock, market animals sold are ineligible to be shown as breeding animals in the future. Non-livestock exhibits (perishable foods, photographs, etc.) may be reproduced for the Kansas State Fair. It is the responsibility of the local extension unit to report tag number of animals sold in a premium sale to the Department of Animal Sciences and Industry, Kansas State University.
4. Members exhibiting livestock shall accompany their exhibits and care for them. Livestock exhibitors must be on hand to exhibit their entries. Failure without just cause on the part of the exhibitor to show their own animal will bar them from participation in any award. In case an exhibitor has more than one entry in the same class, they may have another member or members assist them provided it meets with the approval of the show manager.
5. Whether entries are made as a 4-H entry or FFA entry, an individual exhibitor may enter up to, but no more than 3 steers, 3 market hogs, 3 market lambs, and 3 meat goats. In breeding classes, an exhibitor will be limited to exhibiting not more than 6 dairy goats, 3 breeding heifers, 3 breeding gilts and 3 breeding ewes. There is no limit for number of entries per 4-H/FFA exhibitor in Dairy cattle.
6. Feed may be brought by the exhibitor or can be purchased on the fairgrounds.
7. Sheep & Swine check in 9:00 am-3:00 pm. All Beef check in 11:00 am-3:00 pm (someone other than member may check animals in) Animals must be on site by noon. Animals may arrive on grounds beginning Thursday after 6:00 pm.
8. Each exhibitor must groom his or her own animal and may use only the assistance of an immediate family member

(mother, father, legal guardian, brother or sister) or another Kansas 4-H or FFA member who is an exhibitor at this year's show. This rule will be strictly enforced and any exhibitor violating it will have their animal in question eliminated from competition.

9. The steer and heifer show will be a no fit show, "Blow and Show". "No Fit," at the Kansas State Fair is defined as using no adhesive, glue, paint or powder products.
10. Anyone wishing to report unauthorized people grooming animals must follow the *Protest Procedure* as outlined in the Competitive Exhibitor Handbook.
11. Dress Code - Exhibitors should dress with pride in species appropriate clothing. T-shirts, tennis shoes, and head wear are discouraged.
12. If an exhibitor removes their animal from the show ring prior to completion of judging any class without consent of the ring steward, the exhibitor may be disqualified and premiums forfeited.
13. Withdrawal times for drugs, growth promotants, and other approved materials: Exhibitors, their parents, leaders and instructors have a serious responsibility to use animal health aids (drugs), growth promotants, and any other approved materials with great care and only when needed and in correct amounts. Approved withdrawal times are set and must be followed to assure that consumers receive wholesome food. Withdraw times should be set appropriately for your date of arrival to the fairgrounds. Market livestock will not be allowed to show without a completed entry form signed by an exhibitor and parent or guardian.
14. The Kansas State Fair Board reserves the right to conduct laboratory analysis on any animal entered in the Kansas State Fair competition, at its discretion. See statement under unethically fitted livestock in general rules. All Quality Assurance Testing required by The Kansas State Fair will be paid for by the KSF. Payment for any other tests (i.e. blood typing, etc.) required in the Youth or Open Livestock show will be the sole responsibility of the exhibitor.
15. No Grand Drive exhibit may be removed from the grounds until 3:00 pm on the first Sunday of the fair.
16. Show Management reserves the right to change show books and class listings as necessary.

4-H/FFA DAIRY CATTLE

DAIRY BUILDING
Chair: Bill Toews, Harvey County Volunteer
Jim Adams, K-State Research & Extension, 4-H Youth Development
Monday, September 8, 9:00 am – Holstein, Jersey
Friday, September 12, 12:30PM, Brown Swiss
Friday, September 12, 3:00PM, Ayrshire
Friday, September 12, 5:30PM, Milking Shorthorn

1. **Pre-entry for all 4-H dairy cattle classes must be made on the KSFAIR 4-H website (www.ksre.ksu.edu/KSFAIR) no later than August 15 or within 5 working days of the completion of the county fair for those counties having fairs after August 10. All pre-entries must be processed through the local extension office.**
2. **All 4-H'ers must pre-enter in Fitting and Showing**
3. Holstein and Jersey entries must check in from 3:00-5:00 pm, first Saturday of the fair. Ayrshire, Brown Swiss, and **Milking Shorthorn entries must check in Thursday, September 13 from 6pm to 8pm. Holstein and Jersey Cattle will be released** Tuesday at 4:00 pm and must be vacated by Tuesday at 8:00 pm. If pens are not vacated, KSF has the right to move animals to another location.
3. Be prepared to <u>show registration</u> or <u>transfer papers dated before June 15 of current year, when checking in your animal at the fair</u>. Animals may be co-owned and co-registered by two or more 4-H or FFA members of the same family, but may not be registered in a farm name or include names of adults. Animals registered or transferred to you after June 15 of the current year cannot be shown at the fair.
4. All grade or leased animals must provide official "4-H Grade Dairy Cattle or Leasing Identification Form" to be eligible to show. An animal exhibited in the open show with registration papers cannot show as a grade animal in the 4-H/FFA show.
5. You must have carried the 4-H/FFA dairy project at least 100 days. The superintendent of the 4-H/FFA office may grant exceptions to this rule in case of unusual or emergency conditions.
6. Stall 4-H/FFA dairy animals in the open class dairy buildings in the space assigned to you.
7. If you wish to show in the open class, make your entry to State Fair Office and pay the fee. Refer to the open class premium list for rules and closing date for entries. An Open Class entry does not constitute a 4-H entry!

8. Age in the dairy classes will be determined by standard classifications.
9. Holstein and Jersey exhibitors will be released at 4:00 pm on Tuesday. Ayrshire, Brown Swiss, and Milking Shorthorn exhibitors will be released at 4:00 pm on the second Sunday of the fair.
10. In case of sickness or injury to the exhibitor, or those exhibitors who have a conflict with another 4-H or FFA state fair activity, another member may exhibit the entry after verification by the Superintendent from the Extension Agent or FFA Advisor.

Fitting and Showing

Each dairy breed will have its own fitting and showing contest. Contestants will be placed into blue, red, or white ribbon groups and appropriate ribbons awarded. Judges will consider:

A.	Appearance of animal		40 total points
	1)	Condition and thriftiness	10
	2)	Grooming	10
	3)	Clipping	10
	4)	Cleanliness	10
B.	Appearance of exhibitor		10 total points
	1)	Clothes and person, neat and clean, white costume preferred.	
C.	Showing animal in ring		50 total points
	1)	Leading	15
	2)	Posing	15
	3)	Show animal to best advantage	10
	4)	Poise, alertness, and attitude	10

This is the uniform scorecard approved by the American Dairy Science Association and the Purebred Dairy Cattle Association. For more information, see the scorecard available from extension offices.

HOLSTEIN

2000 Junior Calf, born March 1 to June 30, current year
2001 Intermediate Calf, born December 1 previous year to February 28, current year
2002 Senior Calf, born September 1 to November 30, previous year
2003 Summer Yearling Heifer, born June 1 to August 31, previous year
2004 Junior Yearling Heifer, born March 1 to May 31, previous year
2005 Winter Yearling Heifer, born December 1, 2012 to February 29, previous year
2006 Senior Yearling Heifer, born September 1 to November 30, 2012
2007 Dry Cow, 3 and 4 years old
2008 Dry Aged Cow, before September 1, 2009
2009 Junior Two Year Old Cow, born March 1 to August 31, 2012
2010 Senior Two Year Old Cow, born September 1, 2011 to February 28, 2012
2011 Junior Three Year Old Cow, born March 1 to August 31, 2011
2012 Senior Three Year Old Cow, born September 1, 2010 to February 28, 2011
2013 Four Year Old Cow, born September 1, 2009 to August 31, 2010
2014 Five Year Old Cow, born September 1, 2008 to August 31, 2009
2015 Aged Cow, born before September 1, 2008
Grand and Reserve Grand Champions
2017 Fitting and Showing, ages 9 thru 13
2018 Fitting and Showing, ages 14 thru 18

The Holstein Foundation, PO Box 816, Brattleboro, Vermont 05302-0816, will provide ribbons for five places in each of the individual classes. Champion and Reserve Champion Ribbons awarded. Holstein-Friesian Association of Kansas, c/o Kerri Ebert, secretary, Wamego, KS 66547, will award a trophy to the exhibitor of the Grand Champion Holstein.

JERSEY

2040 Junior Calf, born March 1 to June 30, current year
2041 Intermediate Calf, born December 1 previous year to February 28, current year
2042 Senior Calf, born September 1 to November 30, previous year
2043 Summer Yearling Heifer, born June 1 to August 31, previous year

2044 Junior Yearling Heifer, born March 1 to May 31, previous year
2045 Winter Yearling Heifer, born December 1, 2012 to February 28, previous year
2046 Senior Yearling Heifer, born September 1 to November 30, 2012
2047 Dry Cow, Any Age
2048 Junior Two Year Old Cow, born March 1 to August 31, 2012
2049 Senior Two Year Old Cow, born September 1, 2011 to February 28, 2012
2050 Junior Three Year Old Cow, born March 1 to August 31, 2011
2051 Senior Three Year Old Cow, born September 1, 2010 to February 28, 2011
2052 Four Year Old Cow, born September 1, 2009 to August 31, 2010
2053 Five Year Old Cow, born September 1, 2008 to August 31, 2009
2054 Aged Cow, born before September 1, 2008
Grand and Reserve Grand Champions
2056 Fitting and Showing, ages 9 thru 13
2057 Fitting and Showing, ages 14 thru 18

The American Jersey Cattle Association, 6486 East Main St, Reynoldsburg, Ohio 43068- 2362, offers the following special awards: A set of three ribbons will be provided for each individual female Jersey class, plus a rosette and special award for the owner of the grand champion female. A special award will also be presented for Jersey showmanship.

MILKING SHORTHORN

All animals must be registered in the American Milking Shorthorn Society.

2060 Junior Calf, born March 1 to June 30, current year
2061 Intermediate Calf, born December 1, previous year to February 28, current year
2062 Senior Calf, born September 1 to November 30, previous year
2063 Summer Yearling Heifer, born June 1 to August 31, previous year
2064 Junior Yearling Heifer, born March 1 to May 31, previous year
2065 Senior Yearling Heifer, born December 1, 2012 to February 28, previous year
2066 Dry Cow, 3 and 4 years old
2067 Dry Aged Cow
2068 Junior Two Year Old Cow, born March 1 to August 31, 2012
2069 Senior Two Year Old Cow, born September 1, 2011 to February 28, 2012
2070 Three Year Old Cow born September 1, 2010 to August 31, 2011
2071 Four Year Old Cow born September 1, 2009 to August 31, 2010
2072 Five Year Old Cow
2073 Aged Cow born before September 1, 2008
Grand and Reserve Grand Champions
2074 Fitting and Showing - ages 9 thru 13
2075 Fitting and Showing - ages 14 thru 18

AYRSHIRE

2080 Junior Calf, born March 1 to June 30, current year
2081 Intermediate Calf, born December 1 previous year to February 28, current year
2082 Senior Calf, born September 1 to November 30, previous year
2083 Summer Yearling Heifer, born June 1 to August 31, previous year
2084 Junior Yearling Heifer, born March 1 to May 31, previous year
2085 Senior Yearling Heifer, born September 1, 2012 to February 2013
2086 Dry Cow, Any Age
2087 Junior Two Year Old Cow, born March 1 to August 31, 2012
2088 Senior Two Year Old Cow, born September 1, 2011 to February 28, 2012
2089 Three Year Old Cow born September 1, 2010 to August 31, 2011
2090 Four Year Old Cow born September 1, 2009 to August 31, 2010
2091 Five Year Old Cow born September 1, 2008 to August 31, 2009
2092 Aged Cow before September 1, 2008
Grand and Reserve Grand Champions
2094 Fitting and Showing – ages 9 thru 13

2095 Fitting and Showing - ages 14 thru 18

BROWN SWISS

2100 Junior Calf, born March 1 to May 31, current year
2101 Intermediate Calf, born December 1 previous year to February 28, current year
2102 Senior Calf, born September 1 to November 30, previous year
2103 Summer Yearling Heifer, born June 1 to August 1, previous year
2104 Junior Yearling Heifer, born March 1 to May 31, previous year
2105 Winter Yearling Heifer, born December 1, 2012 to February 28, previous year
2106 Senior Yearling Heifer, born September 1, 2011 to November 30, 2012
2107 Dry Cow, Any Age
2108 Junior Two Year Old Cow, born March 1 to August 31, 2012
2109 Senior Two Year Old Cow, born September 1, 2011 to February 28, 2012
2110 Junior Three Year Old Cow, born March 1 to August 31, 2011
2111 Senior Three Year Old Cow, born September 1, 2010 to February 28, 2011
2112 Four Year Old Cow born September 1, 2009 to August 31, 2010
2113 Five Year Old Cow born September 1, 2008 to August 31, 2009
2114 Aged Cow born before September 1, 2008
Grand and Reserve Grand Champions
2116 Fitting and Showing - ages 9 thru 13
2117 Fitting and Showing - ages 14 thru 18

Dairy cattle will be placed by the judge into blue, red, and white ribbon groups. The size of the premium is not guaranteed and is dependent on the number and quality of animals exhibited.

The premium fund should provide prizes as follows:....Blue-$12 Red-$8 White-$6

The fitting and showing classes also will be judged by breeds according to the plan of blue, red, and white ribbon groups and ribbons only awarded.

4-H/FFA DAIRY GOATS

SHEEP, SWINE, & GOAT BUILDING
Gary Gerhard, K-State Research & Extension, 4-H Youth Development
Chair: Ashley Dester, Dickinson County Volunteer
Saturday, September 13, 8:00 am

1. Pre-entry for all dairy goat classes must be made on the www.ksre.ksu.edu/ksfair/ web site no later than August 15 or within 5 working days of the completion of the county fair for those counties having fairs after August 10. All pre-entries must be processed through the Extension Office.
2. All 4-H/FFA dairy goats must be on premises by 8:00pm on the second Friday of the fair. Dairy goats must be checked in with the chair or posted designee between 4:00-8:00 pm. **A 4-H/FFA youth exhibitor meeting will be held in the show arena for all exhibitors and parents on second FRIDAY of the fair 8:00 PM.** Stalls will be assigned to you in the Sheep Barn by the Open Dairy Goat Show Secretary.
3. This is an ADGA sanctioned 4-H/FFA Youth Show. Therefore, only American Dairy Goat Association, American Goat \ Society, and Canadian Goat Society registered recorded or applied-for animals that are recognized by ADGA as dairy animals may be shown in official American Dairy Goat Association Shows. Registration papers or stamped duplicate registration applications for goats fewer than 6 months of age will be required for all animals. Registration Papers must be in the sole name of the 4 H/FFA exhibitor by May 1. No joint herd names or multiple owners are allowed. All papers must be presented at check-in for verification. All ADGA and 4-H/FFA rules will govern.
4. Entries will be placed in classes by age with the day of judging being the base date. Each exhibitor is limited to a maximum of six head total. Only does are allowed to show.
5. Exhibitors are requested to be neatly and appropriately dressed (preferably in white) when showing animals.
6. The showmanship class will begin at 8:00 am the second Saturday of the fair. Breed classes will follow in this order: ALPINE, LaMANCHA, NUBIAN, OBERHASLI, ALL OTHER PUREBREDS (consist of Saanen, Nigerian Dwarf, Sable, & Toggenburg), and RECORDED GRADES. Show order is not subject to change.
7. Dairy goats will be released at 4:00 pm on the second Sunday of the fair.

8. The Junior and Senior shows are not separately sanctioned.
9. A fitting and showing contest for 4-H/FFA goat exhibitors will be held at the beginning of goat judging, Saturday at 8:00 am. Any exhibitor of dairy goats may enter the showmanship class. Fitting and Showing classes will be divided into Intermediate, 9 thru 13, and Senior, 14 thru 18 before January 1 of the current year. 4-H/FFA exhibitors must own the animal that is used in showmanship.

2200 Senior Fitting and Showing (age 14 through 18)
Champion & Reserve Champion.....Ribbon
2201 Intermediate Fitting and Showing (age 9 through 13)
Champion & Reserve Champion .....Ribbon

All Junior Does are animals that are not in milk or have not previously freshened.
All Senior Does are animals that are in milk or have previously freshened.

ALPINE

2210 Junior doe, birth date from March 1, 2014 to show date.
2211 Junior doe, birth date from September 16, 2013 to February 28, 2014.
2212 Junior doe, birth date from September 16, 2012 to September 15, 2013. (Dry yearling)
Alpine Junior Champion and Reserve Champion.....Ribbons
2214 Senior doe, 2 years and under in milk or previously freshened.
2215 Senior doe, 3 years and older in milk or previously freshened.
Alpine Senior Champion and Reserve Champion.....Ribbons
Alpine Grand Champion and Reserve Grand Champion……..Ribbons

LaMANCHA

2220 Junior doe, birth date from March 1, 2014 to show date.
2221 Junior doe, birth date from September 16, 2013 to February 28, 2014.
2222 Junior doe, birth date from September 16, 2012 to September 15, 2013. (Dry yearling)
LaMancha Junior Champion and Reserve Champion.....Ribbons
2224 Senior doe, 2 years and under in milk or previously freshened.
2225 Senior doe, 3 years and older in milk or previously freshened.
LaMancha Senior Champion and Reserve Champion .....Ribbons
LaMancha Grand Champion and Reserve Grand Champion.....Ribbons

NUBIAN

2230 Junior doe, birth date from March 1, 2014 to show date.
2231 Junior doe, birth date from September 16, 2013 to February 28, 2014.
2232 Junior doe, birth date from September 16, 2012 to September 15, 2013. (Dry yearling)
Nubian Junior Champion and Reserve Champion .....Ribbons
2234 Senior doe, 2 years and under in milk or previously freshened.
2235 Senior doe, 3 years and older in milk or previously freshened.
Nubian Senior Champion and Reserve Champion.....Ribbons
Nubian Grand Champion and Reserve Grand Champion .....Ribbons

OBERHASLI

2260 Junior doe, birth date from March 1, 2014 to show date.
2261 Junior doe, birth date from September 16, 2013 to February 28, 2014.
2262 Junior doe, birth date from September 16, 2012 to September 15, 2013. (Dry Yearling)
AOP Junior Champion and Reserve Champion……..Ribbons
2264 Senior doe, 2 years and under in milk or previously freshened.
2265 Senior doe, 3 years and older in milk or previously freshened.
Oberhasli Senior Champion and Reserve Champion……Ribbons

Oberhasli Grand Champion and Reserve Grand Champion……Ribbons

ALL OTHER PUREBREDS
(Nigerian Dwarf, Saanen, Sable, and Toggenburg)

2240 Junior doe, birth date from March 1, 2014 to show date.
2241 Junior doe, birth date from September 16, 2013 to February 28, 2014.
2242 Junior doe, birth date from September 16, 2012 to September 15, 2013. (Dry yearling)
AOP Junior Champion and Reserve Champion.....Ribbons
2244 Senior doe, 2 years and under in milk or previously freshened.
2245 Senior doe, 3 years and older in milk or previously freshened.
AOP Senior Champion and Reserve Champion .....Ribbons
AOP Grand Champion and Reserve Grand Champion.....Ribbons

RECORDED GRADES

2250 Junior doe, birth date from March 1, 2014 to show date.
2251 Junior doe, birth date from September 16, 2013 to February 28, 2014.
2252 Junior doe, birth date from September 16, 2012 to September 15, 2013. (Dry yearling)
Grade Junior Champion and Reserve Champion.....Ribbons
2254 Senior doe, 2 years and under in milk or previously freshened.
2255 Senior doe, 3 years and older in milk or previously freshened.
Grade Senior Champion and Reserve Champion.....Ribbons
Grade Grand Champion and Reserve Grand Champion .....Ribbons

BEST IN SHOW (over all Breeds Grand Champion).....Rosette

All dairy goats will be placed in blue, red, or white ribbon groups. Ribbons & premiums are provided by the Kansas State Fair. Premiums will be paid on each class as follows:..... Blue-$5 Red-$3 White-$2

Special Thank You goes to Steve and Jane Lamb, Shirley Chapman, Northern Flint Hills Dairy Goat Club, Mid Kansas Kid Youth Show, Anna Lane, Mr. & Mrs. Weir, Karla Reikeman, Orscheln Farm & Home for providing their support of the 4-H/FFA Kansas State Fair Youth Show.

4-H/FFA RABBITS

RABBIT BUILDING
Rabbit Fur Classes 6:00 pm, Friday, September 12
Rabbit Judging 8:00 am, Saturday, September 13
Showmanship & Judging Contest 8:00 am, Sunday, September 14
Gary Gerhard, K-State Research & Extension, 4-H Youth Development
Chair: Tom Little, Butler County Volunteer
Show Secretary: Nancy Kennedy, Cowley County Volunteer

Entry Time

4-H/FFA rabbits must be entered from noon to 9:00 pm on Thursday, September 11, or 8:00 am to noon on Friday, September 12. No late entries will be accepted. In case of emergency call 620 669 3871. Only 4-H/FFA rabbits, entered in Open Class, can be transferred to 4-H/FFA before noon Thursday. Any youth transferring from open class must leave all information and changes (including breed, ear number, class & sex) for their 4-H/FFA entry. Rabbits arriving for the 4-H/FFA show only (not exhibited in open class) any time prior to noon Thursday, will be charged $1 per head. Rabbits not removed or transferred to 4-H/FFA show by 9:00 pm Wednesday will be charged $1 each. Release time is at 6:00 pm on the second Sunday of the fair. Any rabbits not picked up by 7:30 pm on Sunday become the property of the Kansas State Fair.

Selling Rabbits

1. All rabbits for sale must be registered at the Rabbit Office.
2. All rabbits sold will be charged $1 each.

3. Any rabbit sold during the Open Youth show must be removed from the building before 9 pm on Wednesday.
4. Any rabbit officially entered in the 4-H/FFA show and sold after 9 pm on Wednesday is not eligible to leave until 4-H/FFA release time, 6:00 pm on the second Sunday of the fair.

General Guidelines for 4-H/FFA Rabbit Exhibitors

1. Only rabbits entered in 4-H/FFA competitions are allowed on State Fairgrounds between noon, Thursday September 11, through 7:30 PM, the last Sunday of the State Fair
2. Only those rabbits receiving a blue or purple ribbon award in a previously designated qualifying show may be entered. A different animal than the one exhibited at the qualifying show may be shown at the State Fair, provided the quality is equal to the one exhibited at the qualifying show; it has been carried in the same project phase; and is the same breed, variety, and class. Any rabbit shown at the State Fair must have been owned and in the possession of the 4-H/FFA member before July 1 of the current year.
3. Each rabbit is to be legibly and permanently tattooed in its left ear for identification.
4. Each exhibitor may bring no more than 18 different rabbits if qualified at a previously designated show. However, only one entry per class, per variety, per breed may be shown. (Example: May show one junior New Zealand White doe, one junior New Zealand Red doe, and one junior New Zealand Black doe if qualified at a designated contest.)
5. Exhibitors that qualify a junior or intermediate rabbit at their fair or qualifying show must show the rabbit in the correct class according to its age and weight at State Fair time.
   Pre junior (under 3 months) classes only available in the following breeds: Beveren, Blanc de Hotot, Californian, Champagne D'Argent, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Creme D'Argent, New Zealand, and Palomino.
   Juniors (under 6 months).
   Intermediate (6-8 months) classes only available in the following breeds: American, Giant Angora, Beveren, Blanc de Hotot, Californian, Champagne D'Argent, Checkered Giant, American Chinchilla, Giant Chinchilla, Cinnamon, Crème D'Argent, Flemish Giant, English Lop, French Lop, New Zealand, Palomino, Satin and Silver Fox.
   Senior, six months of age or over for breeds other than those listed as having Intermediate classes, eight months of age or over for breeds having Intermediate classes.
6. All rabbits will be divided into classes by ages and judged according to their breed standard as listed in the ARBA "Standard of Perfection". Only breeds approved by ARBA may be shown.
7. The exhibits in this division will be placed into four award groups.
   Premiums: Purple -$1.75 Blue $1.75 Red $1.20 White $0.00.

3400 Senior buck. Eight months of age and over for breeds with Intermediate classes; six months and over for all other breeds.
3401 Senior doe. Eight months of age and over for breeds with Intermediate classes; six months and over for all other breeds.
3402 Intermediate buck. Only breeds listed above with Intermediate classes.
3403 Intermediate doe. Only breeds listed above with Intermediate classes.
3404 Junior buck. Under six months of age.
3405 Junior doe. Under six months of age.
3406 Pre-junior buck. Only breeds listed above with pre-juniors.
3407 Pre-junior doe. Only breeds listed above with pre-juniors.
3420 Meat pen. Three (3) rabbits, all one recognized breed and variety, minimum weight 3 pounds each, maximum weight 5 pounds each, and not over 70 days of age. Will be judged on their meat qualities, condition, and uniformity.

- Note to advisors, agents and leaders: Class 3420: Qualifying shows are held prior to the State Fair and meat pens that qualified will usually be too large and heavy by this show. Members may select a new, younger substitute meat pen of like quality to exhibit at the State Fair.

FUR CLASSES

Friday, September 12

One entry per class per exhibitor, not one entry per breed. To be judged in their cages at 6:00 pm. Colored and white fur entries must be made from rabbits that are entered in the regular breed classes 3400 through 3407.

3450	Normal white fur	3454	Normal Colored fur
3451	White Satin fur	3455	Colored Satin fur
3452	White Rex fur	3456	Colored Rex fur
3453	White Wool fur	3457	Colored Wool fur

The exhibits in this division will be placed into four award groups. A purple ribbon group of the best rabbits in the show will be selected. No premiums offered.
The Salt City Rabbit Club, Ken Wilson, Hutchinson, KS 67502, will provide awards for ½ of the Best of Breeds and the first place meat pen.
The Reno County 4 H Rabbit Club, Ken Wilson, Hutchinson, KS 67502, will provide awards for ½ of the Best of Breeds.
The Sunflower Rabbit Breeders Association, Sharon Barnes, El Dorado, KS 67042 will provide awards for the Grand Champion, Reserve Grand Champion and the 1st runner-up.

RABBIT SHOWMANSHIP

Sunday, September 14
Chair: Clarence Linsey, Johnson County Volunteer

1. Open to any member exhibiting rabbits in the 4-H/FFA division at the Kansas State Fair. Final run off for top 4 class winners will be held at 1:00 pm.
2. Pre entry required via www.ksre.ksu.edu/ksfair/ web site through your Extension Office or FFA Advisor.
3. The rabbit used in showmanship must be entered in the 4-H/FFA rabbit show, and therefore must qualify at a previously designated show.
4. Ages are before January 1 of current year.
5. All contestants will be placed in ribbon groups. No special premiums offered.

3460 Showmanship, members 15 thru 18. Report to Rabbit Building at 8:00 am
3461 Showmanship, members 13 and 14 years old. Report to Rabbit Building at 8:00am
3462 Showmanship, members 11 and 12 years old. Report to Rabbit Building at 8:00 am
3463 Showmanship, members 9 and 10 years old. Report to Rabbit Building at 8:00 am
Kaw Valley Rabbit Club, Clarence Linsey, Secretary Olathe, KS 66061 will award trophies to the winners of each class and to the champion showman.

RABBIT JUDGING CONTEST

Sunday, September 14
Chair: Gary and Yvonne Michaud, Sedgwick County Volunteer

1. Open to any member exhibiting rabbits in the 4 H/FFA Division at the Kansas State Fair.
2. Evaluation will consist of four classes with four animals in each class. Rabbits will be provided by KSRBA members. A time limit of seven minutes per class is allowed. Placing will be recorded on forms provided. No written or oral reasons are required.
3. All evaluations will occur concurrently with showmanship from 8:00 am – 12:00 noon at the Rabbit Building.
4. Ages are before January 1 of current year.
5. All participants will be placed in purple, blue, red and white ribbon groups.

3470 Judging Contest, members 15 years and older.
3471 Judging Contest, members 13 and 14 years old.
3472 Judging Contest, members 11 and 12 years old.
3473 Judging Contest, members 9 and 10 years old.
Hareraisers 4 H Club, c/o Sedgwick County Extension Office, will provide awards to high individual in each class.

4-H/FFA CROPS

Friday, September 5, 2014
Deryl Waldren, K-State Research & Extension, 4-H Youth Development
Chair: Randy V. Hein, Sumner County Extension Agent

Crop exhibits are placed in four award groups by the judges. Premiums will be paid on those exhibits receiving a purple, blue, or red ribbon award.

1. Products exhibited in this division must have been grown by the 4-H/FFA member in the current year, with the exception of soybean seed and edible field bean seed.
2. Exhibits should be as mature as possible.
3. A 4-H/FFA member may exhibit a maximum of one entry per class.
4. All 4-H/FFA crop exhibits must be checked in between 10:00 am and 5:00 pm on the first Friday of the fair and remain in place until 5:00 pm on the second Sunday of the fair.
5. Every entry must be identified by hybrid or variety name.
6. All classes calling for a gallon sample may have a 2 ½ - 3 inch in diameter cylinder placed in a glass gallon container to reduce the amount of grain to about three quarts

CORN — Ten Ear Exhibit

2400 White. Variety or hybrid must be named.

2401 Yellow. Variety or hybrid must be named.

SORGHUM — Ten Head Exhibit

2402 Hybrid grain sorghum. Hybrid must be named.
2403 Hybrid forage sorghum. Exhibit to consist of the entire plant; no roots. Hybrid must be named.
2404 Other forage sorghums. Exhibit to consist of the entire plant; no roots. Variety must be name.

WHEAT — One Gallon Sample

2405 Soft red winter wheat. Variety or hybrid must be named.
2406 Hard red winter wheat. Variety or hybrid must be named.
2407 Hard white wheat. Variety or hybrid must be named.

SUNFLOWERS

2408 Confectionery heads. 3 heads must be submitted.
2409 Confectionery seeds in jar. 1 gallon jar must be submitted.
2410 Oil seed heads. 3 heads must be submitted.
2411 Oil seeds in jar. 1 gallon jar must be submitted.

OTHER CROPS

2412 Oats: Exhibit to consist of one gallon sample. Variety must be named.
2413 Barley: Exhibit to consist of one gallon sample. Variety must be named.
2414 Alfalfa: Exhibit to consist of one gallon sample. Variety must be named.
2415 Alfalfa Hay: Exhibit to consist of one flake or slice from a rectangular bale, or a 10 inch section cut from a round bale. The flake or slice should be approximately 6 inches in thickness and tied in two directions. Variety must be named.
2416 Native Grass Hay: Ten inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.
2417 Brome Grass: Exhibit to consist of one gallon sample of seed.
2418 Other Tame Grasses: Exhibit to consist of one gallon sample of seed.
2419 Soybeans: Exhibit to consist of one gallon sample of seed from most recent harvest. Variety must be named.
2420 Soybeans: Bundle of five plants from most recent harvest. Variety must be named.
2421 Edible field beans: Exhibit to consist of one gallon sample of seed from most recent harvest.
2422 Edible field beans: Bundle of five plants (with roots intact) from most recent harvest.
2423 Miscellaneous Crops: Exhibit to consist of one gallon sample of seed or 10 heads produced from current project. Variety must be named. Call Deryl Waldren if you have specific questions for miscellaneous crops.
2424 Cotton: Provide 10 open bolls, not 10 plants. Place bolls in a bag that can breathe (not a sealed plastic bag), so mold doesn't develop.
2425 Corn: Exhibit to consist of one gallon sample. Variety must be named
2426 Cool Season Grass Hay (e.g., fescue, etc.): Ten inch flake or slice, 6 inches thick and tied in two directions. Variety must be named.

WHEAT VARIETY PLOT DISPLAYS

SHOWCASE BUILDING

The free standing displays must not exceed the overall dimensions of 36" wide x 36" high x 18" deep (measured on the outside). Care should be taken to select durable materials that will withstand State Fair conditions. Displays must not require the use of electricity. If booth exceeds overall dimensions, ribbon placing will be dropped one place.

1. Any display receiving a blue or a purple at the county level is eligible to enter. The entry must be made via the 4-H KS Fair on-line entry system by August 15 or within five days after your county fair ends.
2. These displays will have been planned and prepared by 4-H/FFA members enrolled in the wheat variety plot project.

3. Members must include the varieties provided in the display, but may include more varieties, if desired.
4. Minimum age for exhibitors is 9 years before January 1 of current year.
5. Participants need to be present at 11:30 am on the first Saturday of the fair for the awards presentation with donors. All displays will receive a purple, blue, red, or white ribbon. Purple and blue ribbon displays will be considered for additional recognition.
6. Former first place State Fair wheat variety display winners are eligible to win the award more than one time.
7. Wheat variety plot displays must set up and in place by 5PM on the first Friday of the State Fair. Displays will remain in place until 5PM on the second Sunday of the State Fair

Basis for Awards:

I **Educational Value** **70 %**

Is the main idea of the display specific? Was the title or theme emphasized? Is the idea presented so clearly, so simply, so forcefully, that it will stop the casual observer? If the passerby stopped, did the display give the observer additional facts in a clear, concise way? For example, varietals differences in wheat, economic gains from adoption of desirable practices, etc.

II **Quality of Display Material** **30%**

Size, style and neatness of lettering, proportion of models and lettering balanced, workmanship, including handouts, if used, charts, models and lettering used effectively to teach ideas, colorful, artistic, neat and well balanced.

2430 Wheat Variety Plot Displays

Champion: $250, Kansas Wheat Commission, Justin Gilpin, Manhattan, KS.

Reserve Champion: $150, Kansas Crop Improvement Association, Steve Schuler, Manhattan, KS.

3rd Place – Cash Award of $40 and a plaque – Kansas Grain and Feed Association, Tom Tunnell, Topeka, KS

4th Place – Cash Award of $30 and a plaque– Kansas Grain and Feed Association, Tom Tunnell, Topeka, KS

5th Place – Cash Award of $25 and a plaque. – Kansas Grain and Feed Association, Tom Tunnell, Topeka, KS

WEED CONTROL EXHIBIT

1. Collect, identify, press, mount, and label a minimum of15 weeds. Try to include their roots, stems, leaves and flowers. Three of the weeds must be noxious weeds preferably found in your home county. A standard 9”x12” scrapbook may be obtained in which to permanently mount your weed specimens. Identify the scrapbook with your name and county on the inside front cover.
2. Prepare a list of the weeds mounted, showing common name, scientific name, and where it was found. Place the list in a specially identified section of the scrapbook.
3. Collect and identify weed seeds found in crop seeds. Mount them for display purposes. Place them in a specially identified section of the scrapbook.
4. Write a story on “How We Control Weeds on Our Farm” if you live on a farm. Other members write “How We Control Weeds at Home”. The story should be about 300 words in length. It must show definite methods used to control weeds. Place the story in a specially identified section of the scrapbook.

2440 Weed Control Exhibit, Exhibit consists of the four items above.

Basis for Awards:

Mounted weed collection: number of mounted specimens, completeness of individual mounts, correctness of identification and information, and neatness. Include record sheet of weeds.

I Records..... 50%

II Weed seed collection and exhibit..... 30%

III Story: “How We Control Weeds on Our Farm” or “How We Control Weeds at Home”..... 20%

4-H YOUTH DEVELOPMENT PROGRAM

Barbara Stone, Superintendent, Assistant Director,
K-State Research & Extension, 4-H Youth Development, Manhattan, Kansas

Please read the General State Fair rules in the Kansas State Fair Exhibitor Handbook and the 4-H and FFA Rules on pages 5 & 6 of this document.

All exhibits in the 4-H division are open to 9-18 year old 4-H members. Age classification is based on the age a 4-H member was before January 1, current year.

All exhibits in the 4-H Centennial Hall, except Visual Arts, will be placed in one of four award groups by the judges. Premiums will be paid on those exhibits receiving a purple, blue or red ribbon award. 4-H Visual Arts exhibits will not be judged competitively and will be awarded a participation ribbon with no premium money being paid.

Judging Contest Age Categories

	Intermediate Age	**Senior Age**
Crops Identification Contest	9 through 13	14 through 18
Fashion Revue		14 through 18
Photography Judging Contest	9 through 13	14 through 18
Poultry Judging Contest	9 through 13	14 through 18 Intermediate age can participate, if necessary, to complete a senior team, but an individual cannot participate in both the senior and intermediate contests.
Rabbit Judging Contest	Separate Classes for 9 & 10 year olds, 11 & 12 year olds, 13 & 14 year olds, and 15 years and older	

4-H ARTS AND CRAFTS - SEE VISUAL ARTS

4-H BANNER EXHIBIT

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Joan Krumme, Reno County 4-H Agent
Pam Van Horn, K-State Research & Extension, 4-H Youth Development

Extension Units may enter a maximum of 3 banners at the Kansas State Fair. Extension Districts may enter 3 banners per county in their district. There will be space to display 230 banners. Banners will be identified with a number and ballots will be available to vote for "People's Choice" banners. The three banners receiving the most votes by the second Saturday of the fair will be recognized as the "People's Choice".

Counties/Districts may want to consider several options for selecting a banner. One method of selection is accomplished by a drawing from those eligible to represent the county/district. A county/district may want to consider a rotation basis for all of the clubs insuring each club will eventually display a banner.

1. All banners must have been selected via a county or district selection process.
2. Each banner should illustrate a phase of 4-H work which is being practiced by youth in 4-H or promote 4-H generally.
3. The club display should avoid using copyrighted materials whenever possible by originating their own work. Copyrighted and/or trademarked materials utilized in banners for endorsement or promotion instead of educational purposes will be disqualified and will not be displayed.
4. Banners must be checked in between 9:00 am and 5:00 pm first Friday of the fair.– Pre-entry required.
5. No banners may be removed before 6:00 pm second Sunday of the fair.
6. Banners are a two dimensional display, depicting one idea.
7. Banners should be made of non-flammable materials that permit the banner to be folded or rolled without damaging the display. Three-dimentional objects may not be attached to the banner.
8. Dimensions are to be no less than 12 and no more than 16 square feet, with no side less than 3 feet.
9. Banners must be hung on a rod strong enough to support the banner. **On each end of the dowel rod, there must be a chain 6" long. On the other end of the 6" chain, attach an "S" hook which will permit the banner to be suspended by the chains on the wire in the 4-H Centennial Hall. Banners mounted any other way will not be displayed due to technical problems.**
10. Each banner exhibited at the Kansas State Fair will receive a participation ribbon.
11. Attach a label to the front lower left-hand (as you face it) corner of the banner giving the name of the club and county or district. Letters should be 2" in height.

5700 4-H Banner

4-H CLOTHING AND TEXTILES

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Nancy Schuster, Anderson County Agent
Display Chairs: Karla Hightower, Miami County Agent
Beth Hinshaw, K-State Research & Extension, 4-H Youth Development

1. No exhibits will be released for any other use. Garments entered in this division cannot be used in the Fashion Revue.
2. Articles, garments, outfits may have been used/worn but should be carefully laundered or cleaned before being exhibited. Exhibits may be placed in clear plastic bags for protection to and from State Fair. Bags will be removed for clothing display purposes. Items should be hung on swivel or wire hangers.
3. Identification Labels (no straight pins may be used to attach these items)
   a) Type or print on 3" x 2½" piece of cloth: Class Number, County or District, Name.
   b) Sew labels on inside of garment (back of neck, center back of waistband, or left end of apron band). Label each piece.
   c) Place entry form and score card on front left shoulder seam of garment or to the left side of waistband with hanger opening facing to the left, as if you were wearing the garment, so that the hanger opening faces the attached entry form.
4. 4 H members enrolled in clothing and textiles may enter a maximum of two exhibits in this division. If two exhibits are entered, they must be in two different classes: constructed piece(s), educational exhibit or recycled clothing project.
5. Due to limited exhibit space, the management reserves the right to display only representative exhibits in the ribbon placing.
6. Pre cut kits are acceptable for all clothing classes. All articles/garments must be finished for use.
7. Since care labels are not always available, NO care label will be required; however, 4 H members should know how to care for fabrics they purchase.
8. Educational Exhibit Classes. Share with others what you learned in this project. Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it

must not be larger than 22"x 28". If the exhibit is a display, maximum size is not to exceed a standard commercial 3' x 4' tri-fold display board. Name and county/district must be clearly marked on educational exhibits.
See suggestions in the "Going Further" section of the notebook lesson plan for ideas.

9. Recycled Clothing Project – An item made of at least 50% recycled material (recycled means reusing an existing item in a new way). Could be remaking/redesigning a garment, re-purposing a clothing item for a new use, etc. Must include sewing of some kind. A 3"x5" index card MUST accompany entry describing the recycled materials and how they were used in the item.
10. The exhibitor is encouraged to attach an index card or photo, no larger than 3" x 5" with the entry form to give the judge any information which the exhibitor thinks would be helpful for the judge to know.

4000 An article, garment, or outfit constructed by a 9 -11 year old exhibitor
4001 Educational exhibit prepared by a 9 -11 exhibitor
4002 An article, garment or outfit constructed by a 12-14 exhibitor
4003 Educational exhibit prepared by a 12-14 exhibitor
4004 An article, garment or outfit constructed by a 15-18 exhibitor
4005 Educational exhibit prepared by a 15 to 18 year old exhibitor
4006 Recycled Clothing Project

Kansas Sheep Association – Auxiliary Committee, c/o Deb Simon, Executive Director, 2598 County Road 78, Quinter, KS 67752 will award $25 to the exhibitor of the top purple article in Clothing and Textiles. The article must be made of 90% wool. ***Attach a statement to the article saying that the material is 90% wool and that the article is to be considered for the Wool Award.***

4-H CROPS IDENTIFICATION CONTEST

ENCAMPMENT BUILDING
Saturday, September 6, 2014
Co-Chairs: Bernadette Trieb, Wabaunsee County Extension Agent,
Shannon Blocker, Anderson County Extension Agent
Contest Conducted by K-State Extension Agronomy Department, Kevin Donnelly, Crops Professor
Deryl Waldren, K-State Research & Extension, 4-H Youth Development

2014 – A $5 Entry Fee per 4-H Exhibitor will be due to the Kansas State 4-H Office with entry by August 15th.

1. Schedule for the Day:
12:30pm Registration begins, Kansas Fairs Association Hall, Encampment Building
1:00pm Contest begins
3:45pm Awards Ceremony

2. Rules: In keeping with National 4 H rules, contestants who have participated in post-secondary course work or training for post secondary competition in the subject area of this contest are not eligible to compete. The official Kansas State Fair Contest guidelines are provided in the K-State publication 4-H 713 (Revised, 2014) "4-H Crops and Weeds Contest" For 2014 there will be a revision of the above manual with changes to the contest identification list and contest components

3. Eligibility: There are Intermediate and Senior Divisions in this contest. Each County Extension Council may enter one team of four regularly enrolled 4 H members in each division. Each District Extension Council may enter teams of four regularly enrolled 4 H members equal to the number of counties comprising the Extension District in each division. The score of the three highest team members being totaled for the team score. An individual may compete for individual awards if less than three persons are available to form a team.

4.. All teams and team members must be pre-entered. Enter county/district teams in class 5940 or 5942, and team members in class 5941 or 5943. Substitutions may be made at check-in.

5. Plant Identification: 50 pressed plant samples mounted on cardstock will be identified. Participants earn 1 point for correct identification of each specimen, for a total of 50 points.

6. Seed Identification 50 seed samples will be identified. Participants earn 1 point for correct identification of each seed sample, for a total of 50 points.

5940 Senior Crops Identification Co/Dist. Team Name
5941 Senior Crops Identification Contestant Name

5942 Intermediate Crops Identification Co/Dist. Team Name
5943 Intermediate Crops Identification Contestant Name

The Kansas State Fair will provide judging medals to the three highest scoring individuals in the Senior Divisions of this contest, rosettes to members of the first place team in the Intermediate and Senior Divisions of this contest and will sponsors up to $200 for an educational trip for the first place senior team. Plans for the trip must be approved by the State 4-H Office. Funds will be awarded after the trip has been taken. The Kansas County Weed Directors Association will award plaques to the three high individuals in the Senior Division.

4-H DEMONSTRATIONS AND ILLUSTRATED TALKS

4-H CENTENNIAL HALL
Saturday, September 6, Sunday, September 7
Saturday, September 13, Sunday, September 14, 2014
Chair: Kaitlyn Peine, Douglas County 4-H Agent
Sarah L. Keatley, K-State Research & Extension, 4-H Youth Development

1. Any demonstration or illustrated talk receiving a superior rating in a county or district contest may be entered unless it has previously been entered in this contest, or does not meet the guidelines
2. Counties or districts are not limited to the number of demonstrations or illustrated talks given on any topic.
3. Demonstrations or illustrated talks may be individual or team (2 people) presentations.
4. Stage schedule for demonstrations will be made on requested date and time and subject to the number of requests and available time.
5. Project talks, informative talks and public speaking cannot be entered in this division.
6. The presentation should be of sufficient length to cover the topic adequately, three minutes minimum and 20 minutes maximum.
7. The schedule for all demonstrations and illustrated talks will be available by September 1.
8. The following scoring breakdown will be used:
   - Introduction 10
   - Appearance 10
   - Presentation 30
   - Subject Matter 30
   - Visual and/or equipment.....10
   - Summary 10
9. All demonstrations and illustrated talks will be presented to the public on two stages in the 4 H Centennial Hall.
10. Each demonstration area will be equipped with two tables, two easels, two microphones, and one 110-volt electrical power strip. 4-H members are encouraged to use technology when it enhances the presentation, however, computers and/or projection units (LCD) will not be provided when technology is used in a presentation (a screen will be available). No range, microwave or refrigerator is available in the demonstration areas. If extension cords are needed, participants need to bring them.
11. Members may check-in at the Demonstration Check-in located in 4 H Centennial Hall for directions to their stage. Participants are encouraged to arrive 15 minutes before their presentation.
12. The use and inclusion of specific brand names for educational purposes does not imply endorsement or refusal by the Department of 4-H Youth Development, Kansas State University Research and Extension, or the State of Kansas.
13. A demonstration shows a step by step procedure, and explains why each step is essential to develop a particular skill or task. The Illustrated Talk incorporates the use of visual aids (posters, technology supplies, equipment, etc.) that describes the process of the topic being discussed. An informative talk (project talk) using illustrations is NOT a demonstration or illustrated talk.
14. Shooting sports related entries must inform State Office of entry to meet safety requirements.
15. Dog obedience related Demonstrations restricted to second weekend.

5800 Demonstration or Illustrated Talk by an individual

5801 Demonstration or Illustrated Talk by a team (limited to 2 people).

4-H DOG SHOW

BISON ARENA
Saturday, September 13, 2014 8:00 am
Chair: Karen Riedmiller, Sedgwick County volunteer
Jim Adams, K-State Research & Extension, 4-H Youth Development

A $5 Entry Fee per class will be due to State 4-H Office with entry by August 15!!

Purpose: To provide an opportunity for Kansas 4-H members to demonstrate the proficiencies of the dogs they have personally trained and groomed through their 4-H project.

1. Check in for all classes is at 8:00 am
2. All members, 9-18 years of age, who have met county or district qualifications with a qualifying score of at least 170 points for obedience or received a purple or blue in showmanship, agility or rally obedience can compete in the State 4 H Dog Show.
3. 4-H Dog Show Immunization Record (MG-34 Revised) must be completed for each dog entered at the State 4 H Dog Show. The fully completed form must be presented to the veterinarian at health check on the day of the show to be eligible to compete. Required vaccinations include: Bordetella, Distemper, Hepatitis, Parvovirus, Parainfluenza, and Rabies. The rabies vaccination must be administered by a graduate, licensed veterinarian. All vaccinations must be current.
4. Any abuse of dogs on grounds, or in the ring, will result in disqualification.
5. No dog in season will be allowed to show.
6. Well fitting collar of leather, chain, or fabric is to be used for obedience.
7. Any dog fouling the ring will receive a white ribbon. Owners should collect all dog waste in plastic bags and put in trash.
8. Baiting dogs is not allowed.
9. Once a 4-H member scores 170 points or greater with the same dog under two different judges, the member must advance to the next obedience level at the start of the next 4 H year. At any time that the leader, parent and member agree that the 4 H member and dog are ready to move to the next level, they may, but once that is done, they cannot regress back to a lower level.
10. **DOGS ARE NOT ALLOWED TO RUN AT LARGE OR ACCOMPANY OWNER ANYWHERE ON FAIRGROUNDS AT ANY TIME.**

Showmanship Competition
Time: 9:00 am

Entries will be judged on fitting of the dog: clean and well brushed, tone and condition of coat, healthy appearance, teeth, toenails, and eyes. Handler will be judged on alertness, grace, and ease, coordination with dog and reaction of dog to handler with straight and even gait and movement of dog.

3600 Junior Showmanship, 4-H members 9 - 11 years old
3602 Intermediate Showmanship, 4-H members 12 - 14 years old
3605 Senior Showmanship, 4-H members 15 and older

Showmanship is based on 100 points, with 95-100 for Purple; 90-94.5 for Blue; 80-89.5 for Red; and 79.5 and less for white.

Obedience Competition
Time: Immediately after Showmanship

A 4-H member may enter only one dog per class. See rule 9 to enter the proper class. A score of 170 points or greater is a qualified score, with at least 50% in each exercise. In case of tie, a run-off on the heel free exercise will be held with one team performing at a time. Score sheets are available at http://www.Kansas4-H.org or through your local Extension Office.

Ribbon groups: Purple ...190-200 points Blue .....170-189.5 points
Red .....150-169.5 points White ....149.5 or less

3610 Novice: 4-H members and dogs who qualified with 170 points or greater in a novice level competition recognized by their county.
3615 Graduate Novice. For all 4-H members and dogs who have qualified in novice.
3620 Open A. For all 4-H members with dogs who have qualified in graduate novice.

3625 Open B. For all 4-H members and dogs who have qualified in Open A.
3630 Utility A. For all 4-H members and dogs who have qualified in Open B. All exercises off leash.
3635 Utility B. For all 4-H members and dogs who have qualified in Utility A. All exercises off leash.

Agility Competition

Time: Agility I will begin at 9:00 am followed by III and II.

Ribbon Groups for all Agility classes are:

Purple ...190 - 200 points Blue .....170 - 189.5 points
Red .....150 - 169.5 points White ....149.5 points or less

3640 Agility I. For 4-H members 9 and older and dogs who have qualified with 170 points or more at local or multi-county competitions. Dogs must be at least 12 months old.
3641 Agility II. For 4-H members 9 and older and dogs who have earned at least two purple ribbons under two Kansas certified 4-H Dog Judges in Agility I.
3642 Agility III. For 4-H members 9 and older and dogs who have earned at least two purple ribbons under two Kansas certified 4-H Dog Judges in Agility II.

Divisions for all Agility classes are:

1. Small dogs -- under 15" at the withers
2. Medium dogs – 15-20" at the withers.
3. Large dogs – more than 20" at the withers

Note: It is recommended that agility team's advance to next level after state show, if qualified. Once a dog has qualified for a higher level, they cannot show at a lower level.

Rally Obedience Competition

Note: Rally Level I is on lead and for local shows only

3645 Rally Level II (Off Lead) For 4-H members 9 years of age and older, and dogs who have qualified with a blue or purple ribbon at local or multi-county shows in Level II.
3646 Rally Level III. For 4-H members 9 years of age and older, and dogs who have qualified with blue or purple ribbons at local or multi-county shows in Level III.

Cares, Inc., Concordia, KS 66901 offers trophies for the top exhibitor who receives at least a blue in each class. **Hill's Pet Nutrition, Inc**., c/o Sue Schuler, Topeka, KS 66601 will award special prizes.

4-H ENERGY MANAGEMENT

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Keith VanSkike, Twin Creeks District Agent
Gary W. Gerhard, K-State Research & Extension, 4-H Youth Development

1. Exhibits must be entered before 5:00 pm first Friday of the fair.
2. Only those who have met the requirements of the electric, small engine or wind energy project are eligible to exhibit in this division.
3. An exhibitor may enter up to three articles in this division, but only one article per class. Use the entry card available from your Extension Office. Record all requested information and securely attach to exhibit.
4. Articles that have been in use should be cleaned for exhibit.
5. A sheet of operating instructions must be furnished for any exhibit not self explanatory.
6. Projects (classes 4600, 4601 and 4602) must be operable using only 110 or 120V AC or battery power. If battery power is required, batteries must be furnished.
7. Any project with a complexity of size or electronics must have (a) instructions for assembly and use and (b) equipment available at the time of judging for actual testing of the exhibit.
8. No hand dipped solder may be used on exhibits.
9. Each exhibit must have a scorecard completed and attached securely. This scorecard is available from the Extension Office.

ELECTRICAL AND ELECTRONICS

4600 AC Electric Projects. Electric projects with a 110 or 120 V alternating current (AC) power source. Some project

examples are household wiring demonstrations, small appliances extension cords, trouble lights, indoor or outdoor wiring boards, or shop lights. Projects may be a restoration or original construction. The project must be operational and meet minimum safety standards. AC projects must be 110/120 V, no 240 V exhibits are allowed, and must be constructed such that the judges have access to examine the quality of workmanship.

4601 DC Electric Projects. Electric projects with a battery or direct current power source. This class includes electric kits or original projects. This class also includes demonstration DC powered project. Examples include: wiring two or three way switches, difference between series/parallel lighting circuits or wiring doorbells switches. All DC electric projects must work with batteries supplied by 4-H'er. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

4602 Electronics Projects. Electronic Projects. Electronic projects with a battery or direct current power source. This class includes electronic kits or original projects. Examples include radios, telephones, toy robots, light meters, security systems, etc. May be constructed using printed circuit board, wire wrap, or breadboard techniques. Include instruction/assembly manual if from a kit. Include plans if an original project. Projects must be constructed such that the judges have access to examine the quality of wiring workmanship.

4603 Educational Displays and Exhibits. The purpose of the educational display and exhibit is to educate the viewer about a specific area of the 4-H electrical or electronics project. The display or exhibit should illustrate one basic idea. This class includes any educational displays, exhibits or science fair type projects which DO NOT have a power source, i.e. exhibits, posters or displays of wire types, conduit types, electrical safety, tool or motor parts identification or electrical terminology. Educational displays and exhibits must be legible from a distance of four feet, using a maximum tri-fold size of 3' x 4'.

SMALL ENGINES

All exhibits should involve engines smaller than 20 horsepower for classes 4610-4612

Displays are limited to 4' wide and 4' deep - both upright and floor displays.

4610 DISPLAY - Exhibit a display, selecting one of the following options: 1) a display identifying different engine or lawn and garden equipment parts or a display showing the function of the various engine or lawn and garden equipment parts; OR 2) a display identifying and explaining the function(s) of different special tools needed for small engine work; OR 3) a display illustrating and providing the results of any one of experiments that are included in the project books. No complete engines, lawn tractors, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' x 4'.

4611 MAINTENANCE - Exhibit a display that illustrates either 1) Routine maintenance procedures OR 2) Diagnosing and trouble shooting specific problems in an engine. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display, using a maximum tri-fold size of 3' x 4'.

4612 OPERATION - Exhibit an operable small engine (no more than 20 HP) overhauled or rebuilt by the member. Include maintenance schedule for the engine and a brief description of steps taken by the member overhauling or rebuilding the engine. Maximum tri-fold size is 3' x 4'.

Alternative ENERGY (A form of energy derived from a natural source, such as the sun, geothermal, wind, tides or waves)

All exhibits in this division are limited in size to standard, tri-fold, display boards (36" X 48") and items may not extend beyond 12" from the back board. All displays must be self standing.

4620 EDUCATIONAL DISPLAY - Create an exhibit that addresses a focused topic related to power generated from a renewable energy source. The purpose of the exhibit is to inform and create awareness.

4621 EXPERIMENT - Display an experiment addressing a problem or question related to power generated from a renewable energy source. Include hypothesis, background research, variables, a control, data, findings, conclusions and recommendations for future study.

4-H ENTOMOLOGY

4-H CENTENNIAL HALL

Friday, September 5, 2014

Chair: Dale Weishaar, Sumner County Volunteer

Diane Mack, K-State Research & Extension, 4-H Youth Development

1. A 4-H member may exhibit in the collection, educational class and/or notebook class for the phase in which they are enrolled.

2. The Advanced Entomology classes 4905 and 4906 are for 4 H members enrolled in a Self Determined project.
3. All entries are to be placed in plexiglass covered (plexiglass required) wooden boxes with outside measurements of 18” x 24” x 3½”. Display boxes with glass covers WILL NOT be accepted. See the specific phase for box and specimen number limitations.
4. Each exhibitor is required to identify each box by placing an identification label bearing exhibitor’s name, county or district and the class. One label goes in the upper left corner of the box (inside) and the other on the lower right corner of the box (outside). Arrange specimens in the box so it can be displayed lengthwise.
5. The number of orders, specimens (and families where required) must be included on the exhibitor’s box identification label.
6. Arrangement of specimens: The preferred method is to arrange the insects in groups or rows parallel to the short sides of the box (see illustrations in 4 H 829). Arrangements that run lengthwise of the box are frequently downgraded in judging. Specimens are to be arranged in the box according to Order. Begin with the more primitive orders first (Collembola) and follow the sequence used in Insects in Kansas, as revised in 2000.
7. For each collection class, two labels will be centered on the pin beneath each specimen. First (closest to the specimen) is the common name label and the second label is a date/locality label.
8. Emphasis in judging will be placed on the overall variety of Kansas insects represented in the collection, accuracy of identification, skill and technique acquired in mounting of specimens, and overall arrangement and appearance of the collection.
9. Specimens of soft bodied insects such as aphids, lice, collembola, termites and etc. should be exhibited in alcohol filled vials; however, the use of alcohol filled vials should be limited to only those specimens that lose their shape when pinned, since the vials pose a significant hazard to the rest of the collection if they become loose in transit.

EDUCATIONAL CLASSES

Educational displays are to be exhibited in one standard size insect box and identified by use of an identification label as discussed above. It is to include the exhibitor’s name, county or district, and class. Information on numbers and kinds of insects is not needed for educational exhibits. Displays may consist of specialized groups of insects, or relate to any aspect of insect life. Displays should be presented in a clear, concise, and interesting manner.

1. Educational classes are limited to one standard box, a maximum of 150 specimens, and work performed during the current year. Title of the exhibit should be indicated inside the box.
2. Purpose of the project is to learn more about the importance, life cycles, biology, ecology, diversity, etc. of insects and related arthropods. Subject matter can be as varied as the animals themselves.

BEGINNING ENTOMOLOGY I

4900 Collection. Display in one standard box a minimum of 50 and maximum of 125 species representing at least 7 orders. Follow the general rules listed for all collections. Specimens should be grouped according to order with the order labels pinned to the base of the box. Members can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

BEGINNING ENTOMOLOGY II

4901 Collection. Display in one standard box a minimum of 75 and maximum of 150 species representing at least 9 orders. Follow instructions listed for all collections in items #1 through #8 above. Specimens should be grouped according to order with the order labels pinned to the base of the box. Members can exhibit in this class a maximum of 3 years, or until they receive a purple ribbon at the Kansas State Fair, whichever comes first.

4902 Beginning Educational Exhibit

INTERMEDIATE ENTOMOLOGY

4903 Collection. Display a minimum of 100 and a maximum of 300 insects representing at least 10 orders. Two standard boxes can be used. All specimens should be grouped to order. In addition, family identification is required for all insects in any **two** of the following six orders: orders of Orthoptera, Hemiptera, Homoptera, Coleoptera, Diptera, and/or Hymenoptera. Observe that the number of families identified in these two orders must be recorded on the box identification labels. Families represent subdivisions of order grouping, with family labels pinned to the bottom of the box to represent subdivisions of the appropriate order. Members can exhibit in this class a maximum of 3 years.

4904 Intermediate Educational Exhibit

ADVANCED ENTOMOLOGY

4905 Collection. Display a minimum of 150 and a maximum of 450 insects representing at least 12 orders. Three standard boxes can be used. Family identification is required for all insects belonging to the six basic orders as outlined under the Intermediate phase. Family identification of insects in the remaining orders is optional, but desirable as long as accuracy is maintained. All butterflies appearing in the collection should be labeled with the correct common name. Members may continue to exhibit in this class at the Kansas State Fair for an unrestricted number of years as long as they remain eligible for 4-H membership. **List what you did this year to improve your project.** Attach this list to top third of entry card.

4906 Advanced Educational Exhibit

Entomology Collection Notebooks

For more information on Entomology Collection Notebooks go to
http://www.entomology.ksu.edu/p.aspx?tabid=89

Entomology Collection Notebooks

4907 Introductory Entomology Collection Notebook: Display in one 3-ring notebook a collection of photos with a minimum of 10 and a maximum of 30 insect species representing at least six different orders. Species pages should be grouped according to order. (Notebooks should contain 15 to 60 photos). 4-Hers in their second year of this division need to list on a sheet of paper how many years you have been in this division of the project and what you did this year to improve your project. Place this paper just behind the Title Page in the front of your notebook. A 4-Her may exhibit in this class for a maximum of two years.

4908 Beginning Entomology Collection Notebook: Display in one 3-ring notebook a collection of photos with a minimum of 30 and a maximum of 60 insect species representing at least seven different orders. Species pages should be grouped according to order. (Notebooks should contain 50 to 120 photos). In a separate section 4-Hers should include pictures of different life stages or a series of specialized body parts (such as legs or antennae) for at least one order of insects. 4-Her may also include photos of damage or habitat in this section. A divider should be put in front of this section. List on a sheet of paper how many years you have been in this division of the project and what you did this year to improve your project. Place the paper just behind the Title Page in the front of your notebook. A 4-Her may exhibit in this class for a maximum of three years.

4909 Intermediate Entomology Collection Notebook: Display in one 3-ring notebook a collection of photos with a minimum of 60 and a maximum of 100 insect species representing at least nine orders. Species pages should be grouped according to order. Pictures in any two of the following six orders should be identified to family: Orthoptera, Hemiptera, Homoptera, Coleoptera, Diptera, and/or Hymenoptera. (Notebooks should contain 100 to 200 photos). In a separate section 4-Hers should include pictures of different life stages or a series of specialized body parts (such as legs, antennae, specialized mouth parts, or identifying features) for at least two orders of insects. 4-Her may also include photos of damage or habitat in this section. A divider should be put in front of this section. List on a sheet of paper how many years you have been in this division of the project and what you did this year to improve your project. Place the paper just behind the Title Page in the front of your notebook. A 4-Her may exhibit in this class for a maximum of three years.

4910 Advanced Entomology Collection Notebook: Display in one 3-ring notebook a collection of photos with a minimum of 100 insect species representing at least twelve orders. Species pages should be grouped according to order. In addition, family identification is required for all insects in the following six orders: Orthoptera, Hemiptera, Homoptera, Coleoptera, Diptera, and Hymenoptera. Family identification in the remaining orders is optional, but desirable as long as accuracy is maintained. (Notebooks should contain at least 150 photos). In a separate section 4-Hers should include pictures of different life stages or a series of specialized body parts (such as legs, antennae, specialized mouth parts, or identifying features) for at least two orders of insects. 4-Her may also include photos of damage or habitat in this section. A divider should be put in front of this section. List on a sheet of paper how many years you have been in this division of the project and what you did this year to improve your project. Place the paper just behind the Title Page in the front of your notebook. Members may continue to exhibit in this class for an unrestricted number of years as long as they remain eligible for 4-H membership.

4-H FASHION REVUE

STRINGER FINE ARTS CENTER
Saturday, September 13, 2014
Judging: Stringer Fine Arts Center, Hutchinson Community College
Public Revue: Hansen Auditorium, Encampment Building
Chairs: Andrea Wood, Kingman County Agent, Ethel Schneweis, Ford County Agent and Amy Collins, Stafford County Agent.

1. Each entry consists of three forms: Kansas 4 H Fashion Revue Script Committee Information Sheet, Cost per Wear Form, and Kansas 4 H Public Presentation Evaluation Score Card. All forms must be post marked and submitted to the State 4-H Office by August 15.

2. Young men and young women are eligible to participate; however, each member may compete in only one class. Each County Extension Council may enter two contestants per class. Each District Extension Council may enter contestants equal to the number of counties comprising the district times 2.
3. Participants must be 14, but not yet 19, before January 1 of the current year. No younger children can model in the senior classes. No live animals may accompany participant; exception needed service animals.
4. State Fair clothing, fiber arts or visual arts exhibits cannot be used in any of the three fashion revue classes.
5. Contestants must have been declared a winner of the county or district level. Alternates may participate if winners cannot attend.
6. Participant may model only what can be worn. Garments cannot be carried. Contestants should use good sense in choosing items that are appropriate to be modeled publicly.
7. Youth must participate and be present at the Public Fashion Revue to receive recognition or awards. Ribbons and prize money will be withheld if participants do not participate in the Public Revue.
8. Judging will be at Hutchinson Community College Stringer Fine Arts Center, on 11th Ave, just east of the Kansas Cosmosphere. The judging schedule will be available on the web and at Extension Offices before the Fair.

The Public Fashion Revue will be held in Hansen Auditorium in the Encampment Building. The Constructed Garment Fashion Revue will be held at 4:00 pm and the Buymanship Fashion Revue will be at 5:00 pm.

SCORE CARD FOR ALL THREE CLASSES

Standards for the Exhibitor:

1. To understand and demonstrate a wardrobe plan.
2. To understand how selected garment(s) and accessories enhance their personal/public presentation.
3. To understand the value of this garment/outfit and how it fits into the family's clothing budget.
4. To be able to describe how they have accepted personal responsibility in caring for their garment/outfit.
5. To visually demonstrate personal fitness and grooming and clothing/accessories comfort and safety.
6. To be able to describe how they cared for the garment/outfit and how it has proved to fit into their wardrobe plan.

Scorecard:

I. General Appearance and Knowledge - 70%

A. Posture, poise
B. Personal grooming
C. Garment condition
D. Fit of garment
E. Modeling skills
F. Accessories used to create a total look
G. Knowledge of wardrobe plan

II. Construction Appearance and Lifecycle Knowledge - 30%

A. Quality of construction
B. Appropriate finishing techniques used
C. Plan for clothing care and life cycle
D. Able to calculate value per wear

Constructed Garments Revue: Majority of the outfit must be constructed and modeled by the 4-H member who made the garment/outfit. Everything which is commonly considered an outer garment must be constructed (vest, jacket, dress, skirt, pants, coat, etc.). A sweater, blouse or shirt that is not worn as an outer garment can be purchased or made.

6000 Construction presentation for 4-H members enrolled in the Clothing & Textile Project.

Buymanship Revue: Majority of the outfit must be purchased (not borrowed) and modeled by the 4-H member or made by another individual for the 4-H member if the fabric and pattern were chosen by the 4-H member. Everything which is commonly considered an outer garment must be purchased by the 4-H member or constructed by another person (vest, jacket, dress, skirt, pants, coat, etc.).

6010 For young women enrolled in the Clothing and Textiles project.
6020 For young men enrolled in the Clothing and Textiles project.

All members will receive a purple, blue, red or white ribbon. Champions and Reserve Champions will be named in all three classes and will receive special awards from The Kansas State Fair and The College of Human Ecology; Kansas State University will provide $250 scholarships in each division for the champion and reserve winners who enroll in the college.

4-H FIBER ARTS

4-H CENTENNIAL HALL

1. Fiber Arts is defined as any method of creating a unique design with fiber, fabric or yarn. This may include: making fabric (such as weaving crochet, knitting, needlepoint); or when existing fabric is changed into something quite different (such as quilting or embroidery or ethnic art.) Ethnic Fiber Arts should use a fiber, yarn or fabric to create the design exhibit. Non-textile (examples include wood, reed, straw, grass, etc.) baskets/pieces should be entered in the Visual Arts Division.
2. No exhibit will be released for any other use. State Fair fiber arts exhibits cannot be used for any of the Fashion Revue classes.
3. Identification Label:
   a) Type or print on a 3" x 21/2 "piece of cloth: class number, county or district, and exhibitor's name.
   b) Sew or safety pin this ID label on the corner of flat articles;
   c) For garments, attach ID label to the front left shoulder seam, or left side of waistband, as if you were wearing the garments.
4. A member may enter only one exhibit in each class, with a total of up to 3 Fiber Arts Exhibits. All articles/garments must be finished for use.
5. When articles which are normally worn as a pair are exhibited, both articles must be shown together. Fasten articles together securely with yarn.
6. Special consideration will be given to articles which are of original design. Such articles should have a note attached explaining the original design.
7. The exhibitor should attach an index card, no larger than 3" x 5", with the entry form to give the judge any information on what parts of the exhibit they made, processes used, or other information which the exhibitor thinks would be helpful for the judge. For all items please indicate if item was made from a kit. For knitted and crocheted items please indicate fiber content, and specifically if they are made of at least 90% wool.
8. Exhibitors are expected to be enrolled in the Fiber Art project in which they are entered. When the exhibit is a sewn garment that also includes one or more Fiber Art techniques (i.e. knitting, crochet, needle arts, or patchwork and quilting), the determination of what division (Clothing or Fiber Arts) and class in which to enter will be left with the 4-H participant.
9. All exhibits which need to be hung, MUST have the appropriate sawtooth hanger, rod, wire or other mechanism attached in order to be properly displayed. If necessary hardware is not attached, it may not be displayed.
10. Fiber Arts Educational Notebook - Share with others what you learned in this project about a particular Fiber Art. Exhibits should be in the form of a notebook or binder. The notebook should include a narrative section describing the fiber art. It should include a clear description of the project, technique, budget, supplies, goals, accomplishments, successes, failures, and future plans. It may include samples of techniques, how-tos, photographs of completed projects, or other ways of educating others about fiber arts. NOTE: A collection of brochures, web pages, patterns, record book forms, etc. does not constitute an educational notebook. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Name, local unit and fiber art covered must be clearly marked in the notebook.
11. There are no age specific classes in fiber arts.

4111 Crochet, an article including felted items. (See #7 above)
4112 Knitting, an article made either by hand or by knitting machine including felted items.(See #7 above)
4113 Needle Arts, an article created by hand using any of the following techniques:
   a) Embroidery and cross-stitch
   b) Needlepoint
   c) Candle wicking
   d) Crewel
   e) Lacework
   f) Appliqué.
4114 Patchwork or Quilted article - It is acceptable practices for the exhibitor to create the patchwork or quilted article and have someone else quilt it. (See #7 above)
4115 Rug Making, a rug - acceptable techniques include braiding, latch hook, tying, floor cloth, etc. The finished product should be an item that would be an item used in the home.
4116 Spinning, a skein - minimum 10 yards in length
4117 Weaving, a woven article - Members should attach information about the type of loom or process used. (See #7 above) Woven wood reed basket, should be exhibited in Visual Arts

4118 Ethnic Arts, an article: This is defined as a Fiber Art/Textile technique that is associated with a specific country or culture. It is a practical skill that was developed to provide basic family needs such as apparel, home furnishings or decorations. It is also defined as a method that has been maintained throughout history and passed on to others, often by observation and by example, such as batik, Swedish huck towel weaving, mud cloth, bobbin weaving, tatting, felted items that are not knitted or crocheted, etc. Members should attach information on the history of the ethnic fiber art, where it was used, by whom, how it was used, short description of the technique, etc. (See #7 above)

4119 Macramé, an article

4120 Fiber Arts Educational Notebook

Kansas Sheep Association – Auxiliary Committee, c/o Deb Simon, Executive Director, 2598 County Road 78, Quinter, KS 67752 will award $25 to the exhibitor of the top purple in a fiber arts class. The article must be made of at least 90% wool. **Attach a statement to the article saying that the material is at least 90% wool and that the article is to be considered for the Wool Award.**

The Kansas Alliance of Spinners and Weavers, c/o Barbara Say, 2055 Road M, Emporia, KS 66801 will award $25 to the exhibitor of the top exhibit in class #4116 Spinning and #4117 Weaving.

Jean Clarkson- Frisbie Memorial Best of Show Quilt Award, given by the Friends of Jean Clarkson-Frisbie, c/o Jodi Drake, Pratt County Extension Office, 824 W. First Street, Pratt, KS 67124.

4-H FOODS – NUTRITION

4-H CENTENNIAL HALL
Friday, September 5,2014
Diane Mack, K-State Research & Extension, 4-H Youth Development

1. A member may make only one entry in a non perishable class and one entry in an educational class in this division Complete recipes with ingredients and instructions must be attached with the entry, or the placing will be lowered one ribbon when judged.
2. For food safety purposes, any food with custard and cream cheese type fillings and frostings, flavored oils, “canned” bread or cakes in a jar, cut fresh fruit or food requiring refrigeration will be disqualified and not judged. Refer to K-State Research and Extension publication, 4-H888, Judge’s Guide for Food and Nutrition Exhibits, for information to help you make informed, safe food exhibit decisions.
3. No alcohol should be included as an ingredient in food entries. Entries with alcohol in the recipe will be disqualified and not be judged.
4. The entire product must be entered and uncut. Exhibit 3 cookies, 3 muffins, 3 bread sticks, etc.
5. All exhibits must be baked and loaves must be whole and uncut. Cookies and rolls must be the same shape and same recipe.
6. All un-frosted cakes should be exhibited in an upright position with crust showing. The exception is for those cakes made with special designs such as Bundt cakes. They should have top crust side down.
7. Attach gummed label to bottom of plate or cardboard. Label templates are available at www.kansas4-Horg/p.aspx?tabid=46 or make your own with the following information: Class Number and Name, Product, 4 H member’s Name, and County or District.
8. Any baked product that can be removed from the pan should be placed on a plate, covered cardboard or disposable container.
9. Exhibits should be in food grade plastic bags, disposable plastic containers or boxes. Foods will be judged Friday and sold on Friday and Saturday so food will need to be quickly re-wrapped for overnight.
10. Space is limited for judging so use small disposable plates when possible for foods exhibits. Only the exhibit is judged. The container is not judged.
11. Carefully secure the entry form, recipe and evaluation form to the outside of the wrapped exhibit. Do not wrap forms in plastic.
12. The exhibitor is encouraged to attach a 3” x 5” index card with the entry card to give the judge any information which the exhibitor thinks would be helpful for the judge to know.
13. Educational classes: Exhibits may be in the form of a poster, notebook or display. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select materials that will withstand State Fair conditions. No card table displays are allowed. If the exhibit is a poster, it must not be larger than 22” x 28”. Displays are not to exceed a standard commercial 3’ x 4’ tri-fold display board. Name and county or district must be clearly marked on educational exhibits.

The educational exhibit evaluation form will be provided at judging time. NOTE: A collection of your favorite recipes in a recipe box or notebook does not constitute an educational exhibit.

14. Because of a shortage of exhibit space, a limited sample of food product entries will be displayed. The remainder of the foods will be sold.
15. Proceeds from the 4-H Food Sale are used to benefit Kansas 4-H members who participate in the International 4 H Youth Exchange Program.
16. Decorated special event cakes will no longer be accepted for exhibit.
17. Dried foods are to be exhibited in the Food Preservation Division.

4300 For age 9 -11, non-perishable food product.
4301 Educational exhibit prepared by 9, 10 or 11 year old.
4302 For age 12-14, non-perishable food product.
4303 Educational exhibit prepared by 12, 13 or 14 year old.
4304 For age 15-18, non-perishable food product
4305 Educational exhibit prepared by 15-18 year old.
4306 Food Gift Package. No alcoholic beverages will be accepted. A food gift package must contain at least 3 different food items (prepared for human consumption), made by the 4-H member, in a suitable container no larger than 18”x18”x18”. Prepared food items must have recipes attached with the entry. Additional homemade food items beyond the 3 minimum or purchased items may also be included in the gift basket. On the back of the entry card, answer these questions: a) what is the intended use; b) what food safety precautions were taken during and after preparation. This entry will count as a non-perishable food product, not as an educational exhibit. Home canned foods must follow Food Preservation rules. Canning jars should not be used for baking per manufacturer’s instructions. They could break during baking.
4307 Modified non-perishable food product. Product must be modified from original recipe to nutritionally enhance the food product. Attach one - 8 ½ X 11 inch page (front and back) that includes Original Recipe, Modified Recipe, and Narrative to describe modifications made, why modifications were made and lessons learned such as nutritive value, or changes in appearance, doneness, aroma, flavor, tenderness and/or texture. Suggested resources:
Altering Recipes for Better Health Purdue University: http://www.extension.purdue.edu/extmedia/HHS/HHS-157-W.pdf
Altering Recipes for Good Health Texas A&M University: http://fcs.tamu.edu/food_and_nutrition/PDF/altering-recipes.pdf

4-H FOOD PRESERVATION

4-H CENTENNIAL HALL
Saturday, September 6, 2014
Chair: TBD
Diane Mack, K-State Research & Extension, 4-H Youth Development

1. Exhibits must have been preserved since the member’s previous year’s county fair, and not been exhibited at the previous State Fair. Example: For fair date August 15, 2013 items canned following that date can be exhibited at this years State Fair.
2. Recommended method of processing must be used. Follow guidelines in K-State Research and Extension Food Preservation publications or “USDA’s Complete Guide to Home Canning”; or “So Easy to Preserve, 5th Edition, Cooperative Extension Service The University of Georgia”; or “Ball Blue Book of Preserving” (2012). Open kettle processed food and oven canned food will be disqualified. Pickles and sweet spreads must be finished using the water bath process for the altitude of residence. Low acid products must be pressure processed properly for the altitude of residence. Refer to K-State Research and Extension publication, 4H712, “Food Safety Recommendations for Food Preservation Exhibits”, for information to help you make informed, safe food preservation exhibit decisions.
3. No alcohol should be included as an ingredient in food preservation entries. Entries with alcohol in the recipe will be disqualified and not be judged.
4. Each member may enter up to two exhibits in this division, but only one entry per class.
5. Each exhibit must have the complete recipe and instructions attached with the entry card, or it will be lowered one ribbon placing. Recipe must include recipe source, date of publication and altitude of residence.

6. Exhibits must be sealed in clean standard canning jars, with matching brand (use Ball lids on Ball jars, or Kerr lids on Kerr jars, etc.) two piece lids. Ball and Kerr plaid or fruit decorated or brushed silver lids are permissible, but fancy padded lids, fabric over wraps or cozies interfere with the judging process and should not be used. No fancy packs unless recipe states to do so (ex: Pickled asparagus) Jars must be sealed when entered. Jelly must be in half pint or pint jar. All other products must be in pint or quart jars. Note: There are now 12-ounce and 24-ounce canning jars available. If there is not a USDA recommended process time available for the 12-ounce jar, these may be used with a pint jar canning process recommendations. Use quart jar process recommendations for 24 ounce jars.
7. Each jar exhibited must be labeled with a uniform label placed 1" from the base of jar. You may need to make a label using an adhesive mailing label. The label must not cover brand name of jar. The label must give: Class No, Division, Product, Canning Method (water bath, weighted gauge or dial gauge pressure method), Process Time, Pressure (psi), date processed including month and year, Name, and County/District. Label templates may be found at: http://www.kansas4h.org/p.aspx?tabid=46
8. Classes 4350-4355 will require one jar for each class.
9. Hole punch the entry card and use a rubber band to attach the entry card and recipe around the top of the jar.

4350 Sweet Spreads (Fruit and/or Vegetables), Syrups; One jar
4351 Fruits, Juices, Fruit mixtures (Salsa, Pie Filling, etc.) One jar
4352 Low Acid Vegetables (green beans, corn, etc or vegetable mixtures.); one jar
4353 Pickles (Fruit or Vegetable) Fermented Foods and Relishes and Chutney; One jar
4354 Tomato/Tomato Products Tomato Juice and Tomato Salsas; One jar
4355 Meats; One jar
4356 Dried Foods: One kind of dried food product exhibited in a small canning jar. If dried food product is not in a canning jar, it will be lowered one ribbon rating. Suggested amount: 1/3-1/2 cup, or three or four pieces per exhibit. All meat jerky must be cooked to an internal temperature of 160 degrees F before or after drying. Dried products must include the recipe and preparation steps. Jerky not heated to an internal temperature of 160 degrees F will be disqualified and not be judged. Heating information can be found at http://nchp.uga.edu/how/dry/jerky.html

4-H FORESTRY

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: TBD
Gary Gerhard, K-State Research & Extension, 4-H Youth Development

1. All leaf exhibits (except Class 5106) are to be mounted on 8½" x 11" heavy stock paper and placed in loose leaf binders. (Magnetic or adhesive filler sheets for photographic prints are recommended.) Twigs and fruit collections may be exhibited in whatever manner you choose (maximum exhibit size 2' x 3').
2. Name, club, age, and year in project should be on front cover or in a prominent location.
3. Leaves should be identified with an appropriate label located near the leaf on the same page. These labels should include (1) The proper common name as listed in the 4H334, "List of Native Kansas Forest Trees"; (2)Location (city and/or county) where collected; and (3) date (day, month, year) collected.
4. Intermediate Forester. Exhibit only in phase(s) enrolled.
5. Senior Forester enrolled in Self Determined can exhibit in Self Determined Forestry at the State Fair.
6. Divide specimens into the following two sections: Native Kansas Trees, and Non-Native Trees.
7. New specimens are those specimens collected during the current 4-H year and cannot be a duplicate tree species of previously displayed specimens.
8. Have samples grouped according to the year (such as "old-previous" and "new").
9. Variations of varieties do not count as different species or specimens.
10. When replacing previously displayed samples, due to degradation, improper mounting or incorrect identification, the specimen label must also be updated. Replacements do not count as new specimens. Replacements should be displayed in the "old previous" section of the display.
11. If you retrieve information for your forestry exhibit, you must include a reference citation to the source.
12. In all leaf collections (Division A – Intermediate Forester), exhibit one complete leaf where possible. If leaf is too large, exhibit as much as possible. Sketch in reduced scale the entire leaf and illustrate where the exhibited portion is from.
Note: A "leaflet" is incorrect when displayed as the complete leaf for the tree.

13. All work must show originality. Leaf collections and displays should not closely resemble work done by others in the same club.

DIVISION A – INTERMEDIATE FORESTER

Knowing Trees as Individuals (Leaf Collections)**

5100 Beginning (Choose either A or B)

A. Exhibit a minimum of 10 different leaves from native Kansas trees collected within the year. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 5 native Kansas trees showing leaf, twig and fruit from each species collected.

5101 Intermediate (Choose either A or B)

A. Exhibit a minimum of 20 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 10 native Kansas trees showing leaf, twig and fruit from each species collected. This exhibit must include 5 new leaf, twig and fruit specimens.

5102 Senior (Choose either A or B)

A. Exhibit a minimum of 30 different leaves (including 10 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 15 native Kansas trees showing leaf, twig, and fruit from each species collected. This exhibit must include 5 new leaf, twig and fruit specimens.

5103 Advanced (Choose either A or B)

A. Exhibit a minimum of 40 different leaves (including 20 new specimens) from native Kansas trees. Exhibit can include non-native leaves in addition to the required number of leaf specimens collected from native Kansas trees.

B. Exhibit a minimum of 20 native Kansas trees showing leaf, twig, and fruit from each species collected. This exhibit must include 10 new leaf, twig and fruit specimens.

How A Tree Grows

5104 Entry may include a project notebook with 10 or more seeds collected with pictures showing a germination study or a mounting of a thin section of wood cut from the end of a log or top of stump labeled with information such as kind of wood and age of tree when cut or exhibits an illustration of how a tree grows.

Tree Appreciation

5105 Display: Entry may include a research or reporting project notebook with no more than 10 pages based on the exhibitor's selected tree. This notebook may include sketches, drawings, pictures, a story, or any other things which will help tell about the tree you have selected.

DIVISION B – SENIOR FORESTER

Growing and Protecting Trees

5106 Display: Entry requires project notebook telling about project and pictures before, during, & after planting seedlings. Maximum tri-fold size is 3' x 4'.

Tree Culture

5107 Display: Entry requires project notebook showing your project work and includes pictures of before, during and after wood lot improvement. Maximum tri-fold size is 3' x 4'.

How Forests Serve Us

5108 Display: Entry may include collected wood samples (all or partial) and 500 word essay. Wood sample display to be mounted on poster board or any stiff material no larger than a 3' x 4' tri-fold. Essay should be displayed in a covered binder.

Educational/Creative Exhibit

5109 Display: Entry must be directly related to tree identification or Forestry. Type of exhibit is open (notebook, poster, collection box, etc.) given a maximum tri-fold size of 3' x 4'. Care should be taken to use durable materials that will withstand State Fair conditions. This is a good class to exhibit an unusual collection.

4-H GEOLOGY and LAPIDARY

4-H CENTENNIAL HALL

Friday, September 5, 2014

Chair: Alan Meinholdt, Lyon County Volunteer

Jim Adams, K-State Research & Extension, 4-H Youth Development

1. The exhibit box should be 18” x 24” x 3½”. Plexiglas covers are required. Boxes with glass covers WILL NOT be accepted. All specimens are to be arranged across the narrow (18”) dimension of the exhibit box, making the exhibit 18” across the top and 24” deep exactly. If a box has a sliding Plexiglas cover, it must be removable from the top. Screws, locks, or other devices that would prevent judges from removing the cover should not be used. For Lapidary classes 5300-5304 only, the dimensions of the box should be appropriate for the display, but should not exceed 18”x24”x31/2”.
2. Each exhibitor is required to identify each display box by placing an identification label bearing name, county or district, and number of specimens in the upper left hand corner of the Plexiglas cover (inside-use clear double sided tape to adhere gummed labels), and by attaching a label with the same information on the lower right corner of the box (outside).
3. Exhibitor may enter in both geology and lapidary classes. Exhibitor may show in only one of the first four geology classes (5200, 5201, 5202 or 5203). Exhibitor may also show in geology class 5204 (special exhibit), 5205 Mineralogy and in one lapidary class.
4. Geology specimens should be labeled with the number of the specimen, date collected, specimen name or description, and locality (county only) where collected.
5. For the geology classes 5200, 5201, 5202 and 5203, specimens should be mounted in the box by proper groups: rocks, minerals, fossils. Fossils must be identified to the Phylum, Class and Genus level. Genus name is to begin with a capital letter. Species name is all lower case. Genus and species names must either be italicized or underlined, not both. The words “phylum, class, genus” on labels are to be spelled out, not abbreviated. More than one specimen of the same kind of rock or mineral or species of a fossil may be exhibited if this duplication represents different geological formations. Specimen label must show this distinction (Fort Hays limestone, not just limestone; calcite from the Greenhorn Formation, not just calcite; Phylum: Brachiopoda Class: Articulata Genus: Composita from the Morrill Limestone Member, not just Phylum: Brachiopoda Class: Articulata Genus: Composita).
6. For geology classes 5200, 5201, 5202 and 5203, and 5205 all specimens must be collected (not purchased) from locations in Kansas, with the exception of Tri-State Mining Area specimens collected from these three adjacent counties: Ottawa County, OK; Newton and Jasper Counties, MO. Other out of state specimens will not count in the minimum number for the class, nor will they be considered in the judging.
7. Exhibitors may have a consultation review of their work by visiting with a member of the judging committee. Someone will be available from 3:00 to 6:00 pm on the first Friday of the fair in the Geology exhibit area.

5200 Geology. Display at least 15 rocks, minerals, and fossils collected during the current 4-H year. Exhibitor is limited to one exhibit box. Only those exhibiting at State Fair for the first time may enter this class.

5201 Geology. Display at least 30 different rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year**. Exhibitor is limited to one exhibit box. This class is open to those exhibiting either first or second time at State Fair.

5202 Geology. Display at least 45 rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year.** Exhibit limited to two boxes. This class is open to those exhibiting either the third or fourth time at the State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.

5203 Geology. Display at least 60 rocks, minerals, or fossils, at least 5 of each. **Fifteen must be collected during the current 4-H year.** Exhibit limited to two boxes. This class is open to those exhibiting the fifth time or more at the State Fair. Identify the rocks as igneous, metamorphic or sedimentary. These rock types must be spelled out on labels or have a legible key.

5204 Geology Educational Exhibit: Exhibit relating to everyday living; or to a mineral test, a rock formation, geological history, species of a fossil, forms of one mineral, a variation of one kind of rock, archaeological artifacts, or Indian artifacts. Digital formats are accepted. Please make arrangements for the judge to view your exhibit and have a hard copy for display. Exhibit limited to 4 feet of table space. **Care should be taken to use durable materials that will withstand State Fair conditions**. Exhibitor may show in the class regardless of number of times he or she has exhibited at State Fair or whether exhibitor has entries in classes 5200, 5201, 5202 or 5203. Exhibitor may also exhibit in lapidary class.

5205 Mineralogy. Display a minimum of 15 mineral specimens collected in Kansas, at least 5 of which have been collected during the current 4-H year. The minerals are to be grouped by mineral class (ie: Carbonates, Oxides, Silicates) and at least 3 classes must be represented. The member must use one standard display box (see #1). The specimens must be labeled with the number of the specimen, date collected, name of specimen, county where collected and chemical composition (ie: $CaCO_3$ for calcite) if known.

LAPIDARY CLASSES

The lapidary will be judged on the following criteria:

Workmanship and Content .....60 points
Presentation and Showmanship .....30 points
Accuracy of Information .....10 points

All lapidary specimens should be labeled with the following information:
- Specimen name
- Place of origin (country, state, or county; county required for Kansas specimens)
- Purchased or self-collected
- Date lapidary treatment began
- Date lapidary treatment completed (Treatment completed after the State Fair is considered a new year specimen).

5300 Lapidary. Display at least 5 varieties of polished (tumbled) specimens and 5 varieties of unpolished specimens that have not yet received lapidary treatment. These do not have to be an example of “before and after”, nor do they have to be self-collected. Locales must be identified. Only those exhibiting lapidary at the State Fair for the first time may exhibit in this class..

5301 Lapidary. Display before-and-after examples of at least 3 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. There is no requirement that the 4-H’er collect any of these. Locales must be identified. Lapidary work should be done during the current 4-H year.

5302 Lapidary. Display before-and-after examples of at least 6 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least two varieties should be collected from the native site by the 4-H’er, at least on of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

5303 Lapidary. Display before-and-after examples of at least 9 varieties of specimens, at least 2 tumble-polished and 2 unpolished of each. At least three varieties should be collected from the native site by the 4-H’er, at least two of which comes from Kansas. Locales must be identified. Lapidary work on at least three varieties should be done during the current 4-H year.

5304 Lapidary. Exhibit at least 6 specimens that have not previously been exhibited, which have received lapidary treatment. Lapidary treatment may consist of polishing, and end, face, or flat lapping. Specimens must represent at least 3 different varieties and include at least three cabochons of any size or shape, only one of which may be free-formed. A cabochon is a style of cutting in which the top of the stone forms a domed or curved convex surface. Three of the specimens must be mounted into jewelry findings.

Special lapidary exhibits should be entered in class 5204. Please note that each member is limited to one entry in this class.

4-H HOME ENVIRONMENT

4-H CENTENNIAL HALL
Friday, September 5, 2014
Diane Mack, K-State Research & Extension, 4-H Youth Development

1. An entry card must be attached to the exhibit with safety pin(s) or tape and string
2. A member may make only one exhibit in this division.

4400 Single Exhibit. An article made or refinished by the 4-H member for the home. Attach a 3” x 5” index card explaining how the item was made or refinished, costs involved and how it fits into the color and design of the room.

4401 Educational Poster or Display. Posters must be no larger than 22” x 28” poster board. Displays are not to exceed a standard commerical 3’ x 4’ tri-fold display board.

4402 Notebook.

Educational poster or display or notebooks may include swatches, colors, stories, photographs, and project records which detail what was accomplished this year with a given indication of long-term plans.

4-H HORSE SHOW

EXPO CENTER
Friday, September 12, Saturday, September 13 and Sunday, September 14, 2014
Show Chair: Becky Dillon, McPherson County Volunteer

1. To be eligible to enter the State 4-H Horse Show at the Kansas State Fair, 4-H members' ages 9 thru 13 must have successfully met the requirements of all three sections of Achievement Level I. Showmanship and Halter class participants must pass the first two sections of Achievement I plus Ground Work portion of skill test prior to their District qualifying 4-H Horse Show entry deadline.
2. To be eligible to enter the State 4-H Horse Show at the Kansas State Fair, 4-H members' ages 14 thru 18 must have successfully met the requirements of all three sections of Achievement Level I and II. Showmanship and Halter class participants must pass first two sections of Achievement Level II plus Ground Work portion of skill test of Achievement Level I prior to their District qualifying 4-H Horse Show entry deadline.
3. **Level III Horsemanship Class 3018** – To be eligible, a 4-H member must have met the requirements of all three sections of Achievement Level I, II and III prior to the State 4-H Horse Show entry deadline of August 1.
4. **Level IV Horsemanship Class 3021** – To be eligible, a 4-H member must have met the requirements of all three sections of Achievement Level I, II, III and IV prior to the State 4-H Horse Show entry deadline of August 1. After advancing to Level IV Horsemanship, an exhibitor is no longer eligible to enter Level III (Class 3019).
5. Fees will be refunded if the State 4-H Office receives cancellation by August 15. It is the responsibility of the individual 4-H member to pre-enter exhibits with their Extension Office by the local deadline.
6. Horse stall reservations and jump out fees are available from your Extension Office. Horse stalls will be confirmed before arriving at the State Fair. Horses will be received on the grounds starting at noon, Thursday, September 12. Horses stalled before that time without permission from the Superintendent are subject to disqualification in the State 4-H Horse Show! All horses must be checked in by the contest time each day. All bedding must be purchased from the State Fair. Bedding is $6 per bale of chips/shavings. A stall fee of $15 per night and $5 jump out fee will be assessed.
7. An exhibitor may not bring more than three horses to the State Fair, regardless of how many were qualified at District.
8. An exhibitor may enter only one halter horse at the State Fair.
9. All 4-H Horse ID papers will be checked at check-in during the State Fair. The age of a horse is determined as of January 1, of the year in which it is born.
10. Stallions cannot be exhibited in any class.
11. Management shall have the right to determine age and check bits on two and three year-old pleasure horses.
12. Exhibitors should not allow their horses to be ridden by any other person while at the State 4-H Horse show.
13. **District qualifying horses must be entered and shown in the same class at the State 4-H Horse Show, no substitutions!**
14. No animal or 4-H member may show in the same class more than one time.
15. The use of protective headgear, in place of a hat, is the optional choice of exhibitors in any and all Western classes, including judged, timed, and futurity classes.
16. Pleasure Pairs can be a county team or a horse show district team.
17. Costume Class: Only one horse per exhibitor is allowed. The class is designed for FUN and will not be judged, however; all participants will receive participation ribbons. Participants are encouraged to be creative in designing costumes. Exhibitors may lead or ride the horse, not both.
18. The horse show management team has the authority to combine classes. Classes of less than three, after age groups have been combined, will be reviewed. Extension offices will be notified after entry deadline if a class is not held.
19. **Lounging is allowed in designated areas and time only. Hours and designated areas will be posted**.
20. The top ten entries in the performance classes will be placed and given ten numerical ribbon awards. High point award will be given to one 14-18 year old 4-H exhibitor and one 9-13 year old exhibitor. Qualifications based on one horse and one rider.

LIVESTOCK HEALTH REQUIREMENTS: By the State Animal Health Commissioner
General Requirements (Kansas Origin):

1. All required tests must be conducted by a state-approved laboratory.
2. All animals are subject to examination by officials of the Kansas Animal Health Department or those designated by the exhibition staff, and will be free of clinical signs of infectious or contagious disease.
3. Animals with lesions of ringworm, warts or infested with mange as determined by officials of the Kansas Animal Health Department or exhibition staff will not be permitted to exhibit.
4. All animals, except steers and spayed heifers, must be individually identified by official breed registration tattoo or tag, USDA metal ear tag, or breed association ear notch for swine.

5. All animals (cattle, bison, swine, goats and horses), except steers, spayed heifers and sheep, must be accompanied by a health certificate issued within 30 days of exhibit and must be available, upon request, to the officials of the KAHD or exhibition staff.

Horses, Donkeys & Mules:
In addition to the general requirements horses must go by the following:

1. Evidence of a negative equine infectious anemia test conducted within 12 months of the show must accompany the health certificate.
2. Test results must be shown on a VS 10 - 11 forms (copies will not be accepted unless verified in writing by testing veterinarian).
3. Foals, six months of age and younger, accompanying their negative dams, are exempt from EIA test requirements.
4. A valid "Horse Passport" may be used in lieu of a health certificate. If a passport is used, a negative EIA test within 6 months is required.

Halter Classes

All halter horses must qualify by receiving a purple or blue ribbon at their District 4-H Horse Show. An exhibitor may show in only one halter class. No weanlings will be shown. The term "stock-type" includes, but is not limited to, Appaloosa, Buckskin, Paint, Palomino and Quarter Horse. The term "non-stock-type" includes, but is not limited to, Arabian, Morgan, Thoroughbred and American Saddlebred. For additional Halter Class rules, check Kansas 4-H Horse Show Rule Book.

Showmanship and Performance Classes

Youth must qualify by receiving a purple or blue ribbon in the respective class at the District 4-H Horse Show to be eligible for the following classes:

Western Pleasure	Showmanship	Pole Bending	Trail
English Pleasure	Western Horsemanship	Reining	Flag Race
Barrel Racing	English Equitation	Pony Western Pleasure	Hunter Hack
Pleasure Pairs			

Any 4-H member who has met the general and Level Testing requirements for exhibiting horses at the State 4-H Horse Show is eligible to enter the following **invitational classes (does not require district qualifying):**

Breakaway Roping	Costume
Tie-Down Calf Roping	Team Roping

Two-Year-Old Snaffle Bit Project – To exhibit at the State 4-H Horse Show, a 4-H member must have properly submitted a horse identification certificate, nomination form and nomination fee to the State 4-H Office **before May 1**. They must also have met the requirements of all three sections of Achievement Level I and II and enter the state 4-H horse show before **August 1**. Interviews for the Two-Year-Old Snaffle Bit Project will be held on Friday afternoon.

Three Year Old Snaffle Bit class – To exhibit at the State 4-H Horse Show, a 4-H member must have properly submitted a horse identification certificate, nomination form, and nomination fee to the State 4-H Office before May 1. They must also have met requirements for all three sections of Achievement Level I and II and enter the State Fair 4-H Horse Show **before August 1**. To be eligible, all 3-year-old horses must have been nominated as a 2-year-old, although horses did not have to be shown as a 2-year-old.

Hunter Hack over Fences Entries – 4-H members wanting to participate in the classes 3026 and 3027 must complete the safety check before the class before 7:30am, Saturday of the show.

Roping Class – In addition to an entry fee of $5 per class, an additional sock charge per class will be due to the State 4-H Office by August 1. Fees will be determined by current stock contractor fees.

TENTATIVE CLASS SCHEDULE
*Direct entry to state show (class number must be included on entry form); no district qualifying.
Friday, September 12, 8:30 am, Expo Center with Expo II (Warm-up area)

Halter Classes:
3001 3 & Under Stock Type Geldings

3002 4 & Older Stock Type Geldings
3003 3 & Under Non-stock Type & Pony Geldings
3004 4 & Over Non-stock Type and Pony Geldings
3005 3 & Under Miniature Horse Geldings
3006 4 & Older Miniature Horse Geldings
Grand and Reserve Geldings (selected from above classes)
3007 3 & Under Stock Type Mares
3008 4 & Older Stock Type Mares
3009 3 & Under Non-stock Type & Pony Mares
3010 4 & Older Non-stock Type & Pony Mares
3011 3 & Under Miniature Horse Mares
3012 4 & Older Miniature Horse Mares
Grand and Reserve Mares (Selected from above classes)
3013 Showmanship 14-18
3014 Showmanship 9-13
(Showmanship preliminaries will be held concurrently with finals immediately following)
3015 Trail 14-18
3016 Trail 9-13
3017 Exhibition- Miniature Horse Trail 9-13 (Must qualify in halter at District)
3018 Level III Horsemanship
3019 *3 Year Old Snaffle Bit Project
3020 Pleasure Pairs
3021 *Level IV Horsemanship
3022 Reining 14-18
3023 Reining 9-13
3024 *2 Year Old Snaffle Bit Project 1st phase (Western Pleasure)
3025 *Costume Class (not before 7PM) – Participation ONLY, NOT Judged

Saturday, September 13, 8:00 am, Expo Center with Expo II (Warm-up area)

3026 Hunter Hack over Fences 14-18
3027 Hunter Hack over Fences 9-13
3028 English Pleasure 14-18 (not before 9 am)
3029 English Pleasure 9-13
3030 English Equitation 14-18
3031 English Equitation 9-13
3032 Non-stock/Pony Western Pleasure
3033 Western Pleasure 14-18
3034 Western Pleasure 9-13
3035 Horsemanship 14-18
3036 Horsemanship 9-13
3024 *2 Year Old Snaffle Bit Project 2nd phase (Western Horsemanship)
3037 Flag Race 14-18 (not before 6 pm)
3038 Flag Race 9-13
3039 Team Versatility

Sunday, September 14, 7:30 am, Expo Center
3040 Pole Bending 14-18
3041 Pole Bending 9-13
3042 Barrel Racing 14-18
3043 Barrel Racing 9-13

Sunday, September 14, following Expo events, Expo II
3044 *Tie Down roping 14-18
3045 *Tie Down roping 9-13

3046 *Breakaway Roping 14-18
3047 *Breakaway Roping 9-13
3048 *Team Roping 14-18
3049 *Team Roping 9-13

The Kansas State Fair has provided $1,000 for awards. This amount will be used to purchase awards and ribbons. The top ten entries in the performance classes will be placed, with ten numerical ribbons awarded. The first and second place winners in each class will receive appropriate recognition.

4-H HORTICULTURE

4-H CENTENNIAL HALL
Friday, September 5, 2014
Evelyn Neier, 4-H Youth Development, K-State Research & Extension
Chair: Pam Paulsen, Reno County Agent

1. Horticultural exhibits shall be checked in from 10AM-5PM the first Friday of the fair. Exhibits will be released at 6PM the second Sunday of the fair.
2. Information about exhibiting produce is available online in the publication "Exhibiting Fruits and Vegetables" available at http://www.ksre.ksu.edu/bookstore/pubs/c405.pdf
3. Secure entry form to plate or container with string or tape. Use a sturdy plate, bowl or container that will support the weight of the produce.
4. A member may enter up to a total of 4 produce items, according to the number qualified at the county/district fair, each a different type of produce, from classes 2501-2507. Members may enter multiple entries in an individual class, provided each entry is a different type of produce. Ex. Class 2502 – Medium Vegetable; member may enter tomatoes, peppers and cucumbers under the same class number.
5. An exhibitor earning a purple ribbon at their county/district fair on an out-of-season vegetable/fruit/herb (ex. Early peas) may substitute another vegetable/fruit/herb (ex. Pumpkin) in its place at the State Fair.

2500 Garden Display
Each exhibitor in this class will be limited to four square feet of space. The Garden Display must be exhibited in a tray, basket or container that can be easily moved by the fair staff. Exhibit consists of five different types of fresh vegetables or fruits. Canned products and shelled vegetables are not acceptable. Only one variety of each type of vegetable or fruit may be exhibited. The numbers of the five types of vegetables or fruits to be exhibited are as follows:
Large Vegetables (One Each): Cabbage, Cantaloupe, Eggplant, Large Pumpkin, Squash, Watermelon
Medium Vegetables (Five Each): Beets, Carrots, Cucumbers, Decorative Gourds, Potatoes, Miniature Pumpkins, Okra, Onions, Peppers, Sweet Potatoes, Tomatoes, or other similar sized vegetable
Small Vegetables (Twelve Each): Green snap beans, wax beans, English peas, radishes or other similar sized vegetables
Small fruits (One half pint box): Strawberries, blackberries, raspberries, or other similar sized fruits.
Tree fruits (5 each): Apples, pears, peaches, or similar sized fruits.
Grapes (2 bunches)

2501 Small vegetable specimen plate (12) Ex: green snap beans, yellow wax beans, radishes other small vegetables.
2502 Medium vegetable specimen plate (5) Ex: cucumbers, cherry tomatoes, tomatoes, beets, white onions, yellow onions, red onions, bell peppers, other peppers, okra, parsnips, turnips, sweet potatoes, red potatoes, white or Russet potatoes, carrots, miniature pumpkin, decorative gourds, or other medium vegetables.
2503 Large vegetable specimen plate (1) Ex: watermelon, summer squash, winter squash, large type pumpkin, eggplant, cabbage, cantaloupe, other large vegetable.
2504 Fresh Culinary herbs (6) ex: parsley, basil, dill, etc. Six stems (or a comparable quantity) of one variety of fresh herbs must be exhibited in a disposable container of water. Dried herbs are not accepted.
2505 Small fruits (one half pint box) Ex. Strawberries, blackberries, raspberries, or other similar sized fruits.
2506 Tree fruits (plate of 5) Ex. apples, pears, peaches, or similar sized fruits.
2507 Grapes (plate of 2 bunches).

1. Floral exhibits shall be checked in from 10AM-5PM the first Friday of the fair. Exhibits will be released at 6PM the second Sunday of the fair.

2. Information about exhibiting flowers can be found online in the publication “Preparing Cut Flowers for Exhibit”, available at http://www.ksre.ksu.edu/bookstore/pubs/4H826.pdf
3. A 4-H member may enter up to 4 floral exhibits, according to the number qualified at the county/district fair. Members may enter multiple entries in a single class in classes 5600-5601 provided each flower specimen is of a different species. EX: Class 5600 – Annual Garden Flower, member may enter sunflowers, zinnias, and marigolds under the same class number.
4. Members are encouraged to exhibit cut flowers and fresh floral arrangements in disposable containers. If a non-disposable container is used mark it plainly with your name and county/district. The State Fair is not responsible for the loss or damage to any flower arrangements, vases or containers. Containers cannot be picked up until release time on the last Sunday of the State Fair.
5. All floral materials must be grown and/or collected by the exhibitors. Do not use purchased plant materials. Entries should not take over one square foot of table space.
6. Potted plants are not accepted.

5600 Annual Garden Flower, cut specimen, single stem.
5601 Perennial Garden Flower, cut specimen, single stem.
5602 Fresh Flower Arrangement. Flower materials must be grown and/or collected by exhibitor, not purchased.
5603 Dried flower Arrangement, no fabric or plastic material allowed.
5604 Horticulture Notebook.

Entry shall consist of a notebook or three ring binder of written narrative describing a horticulture project such as a landscape design, landscape installation, lawn renovation, water garden, flower garden, vegetable garden, lawn mowing service, landscape maintenance business, farmer’s market business, or other horticultural project. 4-Hers are encouraged to include photographs, illustrations and/or landscape drawings that help explain work done by the member. Photos taken from the same location before, during and after the completion of the project are particularly helpful. Exhibitor may enter up to, but no more than, two different horticulture notebooks. Horticulture notebook scoring is as follows: Organization and General Appearance (neat, includes title page and table of contents, original, creative, etc.) 20%, Narrative (including goals, successes, failures, etc.) 40%, General Content (subject matter, photos, maps, knowledge gained, etc.) 40%.

4-H PHOTOGRAPHY

4-H CENTENNIAL HALL
Entry Day, Friday, September 5 and Photography Exhibit Judging, Saturday, Septemer 6, 2014
Chair: Susan Stich, Southwind District Volunteer
Rod Buchele, K-State Research & Extension, 4-H Youth Development

1. Photo exhibits must be entered by 5:00 pm on the first Friday of the fair.
   Judging of exhibits will be at 9 am on the first Saturday of the fair.
2. Only members who are 9 years of age but not yet 19 years of age before January 1 of the current year are eligible to enter.
3. Black and white and color photographic prints and videos may be exhibited.
4. Exhibitors, first through seventh year in photography project, may enter one (only) photo print and one video, for a total of two entries per exhibitor. Exhibitors in their eighth (plus) year in the photography project may enter two prints as long as the prints are in different classes and one video, for a total of three entries per exhibitor.
6. Photographs entered must be the result of the current year’s project work by the 4-H member. Photos must be taken by the 4-H Member (exhibitor).
6. Remove white border from the photo print before mounting.
7. All photos must be no larger than 8” x 10” and no smaller than 7”x 9”, after trimming.
8. Photos are to be mounted across the narrow (11”) dimension of an 11” x 12.5” sheet of white or cream studio matte board. Photos mounted on poster board will not be displayed. Your local Extension office may purchase matte boards from the K-State Research and Extension Distribution office.
9. Photos must be mounted with the top edge of the print 1” below the top of the mount. (board is always oriented narrow side up).The sides of the print must be equal distance from the two sides of the mount.
10. A permanent mount must be made by using photographic adhesive.

11. The Kansas State Fair 4-H Photography ID Form (available from your Extension Office and online) must be used and mounted correctly on the bottom front of the matte board. This will be illustrated in a letter from the State 4-H Office to the Local Extension Office and on Kansas4-H.org.
12. No lettering, including dates, is permitted on the front of the mount or on the photo. Only the Kansas State Fair 4-H Photography ID Form is to have lettering on it. No underlay or borders are to be used.
13. To protect exhibits from dust and moisture, place mounted photo in protective plastic bag.
14. On the back of the mount, write; the exhibitor's name, address, photo class, location where the photograph was taken and the Extension Unit (county/district). If in a district, please use full district name and add county name.
15. Photos entered in any class of the 4-H Photography Division at the State Fair may be used in State Fair 4-H Photography judging contest. Entry of a photo in the 4-H Photography Division contest grants permission to use the photo in the 4-H Photography Judging Contest.
16. Improperly mounted photos, oversize or undersize photos or photos with the white borders not removed or lettering (including dates) on the photo, will be awarded a ribbon one placing lower than the placing determined by the official judges.
17. Photographs taken with a digital camera and having no more adjustments than exposure, color intensity or correction, one click filter effects, red eye removal, cropping, dodging and burning should be entered in the standard color or black and white classes. HDR photos are to be entered in the standard photo class.
18. Digital Composite Image: Finished photo must be created from two or more original sources created by exhibitor. HDR photos do not qualify for this class Photos will be judged on photographic merit as well as manipulation technique and process. Ribbon placement will be determined by combining the score of each judging section.
19. The black and white class is for black and white prints only. Monochromatic prints, including sepia prints are considered color photos and must be entered in the appropriate color photo class.
20. Appropriate photo subject matter: Photographic subject matter is expected to follow 4-H standards. For a sense of prohibited subject matter, review the Kansas 4-H member Code of Conduct; in general, if it is not allowable at a 4-H event, it is not allowable in a 4-H photograph at the State Fair.
21. Photos with live subject(s) on railroad right away or taken from railroad right of way property will not be displayed in Kansas 4-H Photography and may receive a ribbon penalty
22. Copyright protections must be observed.
23. Decisions as to display and/or penalties will be made by the Photography Department Superintendent and the 4-H Specialist responsible for the photography department.

4800 Color photos taken by a 4-H member with 3 years or less in the project.
4801 Color photos taken by a 4-H member with 4 – 7 years in the project.
4802 Color photos taken by a 4-H member with 8 or more years in the project
4804 Black and white photos - all levels of experience (Black and white prints only)
4805 Digital Composite Image
Photo must be created from two or more originals taken by the exhibitor. Exhibitor must include a second 11 x 12-1/2 matte board (Explanation Board) mounted with standard size prints of the original photos, 3 x 5 card(s) explaining what manipulation was done and a standard size print of the final photo. Optional, may include prints of editing steps. Photos showing editing steps may be layered. Please put name and Extension Unit on the front of the second board. Explanation Boards will be displayed as s group to explain and promote the class. Place both matte boards in the same protective plastic bag. **Note: See Rule 18 above class for definition.**

4807 Video - Entries must be full motion not a series of still images with pan or zoom motion added by a software program. All content must be the result of the current year's project work. All content must be original and created by the exhibitor(s) unless signed copyright, use and/or performance releases are provided. Entries may be created by an individual or by a team. Talent, computer editing, titles, graphics, animation and music are allowed and recommended. Entries must be one of the following production types: Instructional, Informational, Documentary, Persuasive/PSA, Story or Entertainment. Length must be no longer than three minutes with the exception of Persuasive/PSA which must either be 30 seconds or 60 seconds. Entries will be evaluated on design characteristics, technical content, production quality, and effectiveness. Entries not adhering to the rules and requirements will be awarded a ribbon one placing lower than the placing determined by the official judges.

Videos must be in a DVD standard format, so as to be playable on a laptop computer. Entries must include a State Fair Video Entry Information Sheet. The form will be available in the State Fair Downloads section of Kansas4-H.org, scroll to Photography section. Place media, Video Entry Information Sheet and State Fair Photography ID Form in a protective plastic bag.

Special recognition exhibits, selected by the Photography Action Team from the Purple Selections:
DC Display, 30 photos - (Kansas Senators, Kansas Representatives)
Rock Springs Display - 35 photos
Kansas Governor - five photos
Kansas State University President - five photos
Kansas State Dean of Agriculture - five photos
State 4-H Office Display – five photos

Note: These photos will be presented at various times throughout the 4-H year and will be returned at the conclusion of the display period. The 4-H members will be notified of the presentation time and may be invited to help with the presentation. See special recognition opportunities sheet in the KSF 4-H supplemental information for more details.

Selected from all 4-H photography exhibits:
Kansas 4-H Foundation selections* - flexible number
Kansas 4-H Traveling Collection - one per county (105)
Sunflower Award** selections for outstanding elements of composition - flexible number
Gordon Parks Best Black and White Photo (Provided by State 4-H Photo Action Team and Friends).

Photographs selected will be marked with special display stickers. Extension Offices of the exhibitors of selected photos will be notified by e-mail of these selections. Photos selected (with the exception of the Sunflower Award selections) will be collected the last day of the Kansas State Fair. Selected photos will be returned at the end of the 2014 Kansas State Fair or at the conclusion of the established display period.

*The Kansas 4-H Foundation will select a number of exhibits for possible publication throughout 2013-2014. These photos may be featured in the Kansas 4-H Journal, the Kansas 4-H calendar, the annual report and various other publications

**Sunflower Award: Twenty to twenty-five photos representing one or more aspects of composition are selected by Photography Action Team Teen Leaders for the Sunflower Award. Criteria for selection includes, but is not limited to, lighting, action, attention-grabbing, pleasing to the eye, use of color, contrast of black and white, and leading lines. The selected photos will be identified by a sunflower. Gordon Parks Award for best black and white photo will be provided by the State 4-H Photo Action Team and Friends.

4-H PHOTOGRAPHY JUDGING CONTEST

ENCAMPMENT BUILDING
Sunday, September 7, 2014
Co-Chairs: Ben Stich, Southwind District Volunteer, Tammy Grice, Sunflower District Volunteer
Rod Buchele, K-State Research & Extension, 4-H Youth Development

1. Enter county/district teams in class 5980 (Senior Team) or 5985 (Intermediate Team),
2. Enter team members in class 5981 (senior team member) or 5986 (Intermediate team member).
3. Intermediates must be 9-13 as of January 1 of the current year. Seniors must be 14-18 as of January 1 of the current year.
4. Substitutions should be made by 5:00 pm the first Friday of the fair at the Photography check-in area in the 4-H Centennial Hall.
5. Each County Extension Council may enter a team of three or four regularly enrolled 4-H members in each division (Intermediate and Senior). Each District Extension Board may enter, in each division, teams of three or four regularly enrolled 4 H members equal to the number of counties comprising the Extension District. Counties or Districts may not enter a team plus individuals in a division. An individual may compete for individual awards if less than three persons are available to form a team. Intermediates may participate in the Senior Division to complete a team, but may not be on two teams in the same year. Seniors may not participate in the Intermediate Division.
6. In keeping with national 4 H rules, contestants who have participated in post-secondary course work or training for post-secondary competition in the subject area of this contest are not eligible to compete.
7. Schedule for the Day: All activities will be in the encampment Building
   10:30-11:00am…… Check-in Encampment Building,

	(check-in by one representative per county/district)
11 am……	Orientation (Hansen Auditorium, Encampment Building)
11 am - 1:00 pm……	Contest (Dillon Hall, Encampment Building)
1:00-2:00 pm ……..	Open to non-participants
2:45 pm ……	Awards Assembly (Hansen Auditorium - Encampment Building)

8. Place: Dillon Hall in Encampment Building.
9. Each contestant is expected to bring a clipboard or writing board and one or more #2 pencils to the contest.
10. The contest shall consist of photographs to judge, photographic problems, and a written exam. The written exam will consist of multiple choice, and/or matching questions. Each photo judging class, problem class, and exam will be valued at 50 points for a perfect score. Color or black and white photographs will be used in judging classes.
11. The team score will be the total of highest three individual scores of the team members. Individual scores will also be recognized.

NOTE: Cost will be $10 per team or $5 per individual per Extension Unit. Payment due to the State 4-H Office by August 15.

5980 Senior Photography Judging Co/Dist. Team Name
5981 Senior Photography Judging Contestant Name
5985 Intermediate Photography Judging Co/Dist. Team Name
5986 Intermediate Photography Judging Contestant Name

The Kansas State Fair will provide rosettes to members of the first place team in each division. Judging medals from the Kansas State Fair will be presented to the top three individuals in each division. Other awards will be provided by **Liz Beikmann, Riley County volunteer, Pansy Fryman, Finney County volunteer and Bob and Annette Harlan, River Valley District Volunteers.**

4-H POULTRY EXHIBITION

POULTRY BUILDING
Friday, September 5 (Check In 1PM-8PM) and Saturday, September 6, 2014 (Show Begins at 1PM)
Chair: Dr. Scott Beyer, Extension Specialist, Poultry Science, K-State Research & Extension
Gary Gerhard, K-State Research & Extension, 4-H Youth Development

1. Only those birds receiving a blue ribbon award or better in a previously designated qualifying show maybe entered.
2. Exhibitors are encouraged to carefully consider the welfare of poultry during transportation to and from shows. For helpful information, consult “Safely Transporting Exhibition Poultry and Market Broilers” by Scott Beyer, available from your local extension office.
3. Judging of classes 3201, 3202, 3203, 3204, 3209, 3210, 3211 and 3212 will be done primarily on the basis of exhibition qualities as described in “The American Standard of Perfection”. Disqualification will bar competition in these classes. Judging of classes 3205, 3206, 3207, 3208 will be done on the basis of production qualities only. Classes 3205 and 3208 may be combined if entries are low.
4. Each member may exhibit a maximum of 3 total entries and one entry in class 3209. It is required that poultry be banded to insure proper identification.
5. All birds must be checked in and in place by 8:00 pm the first Friday of the fair.
6. 4 H poultry will be released at 6:00 pm on the second Sunday of the fair. No crates will be allowed in the building until 6:00 pm.
7. The Kansas State Fair Poultry Department will furnish all feed, water and care for birds that are exhibited.
8. The Poultry Department will not be responsible for marketing any birds. If 4 H exhibitors want to make a private treaty, they may do so. Otherwise, 4-H exhibitors will be responsible for seeing that their poultry is claimed after the Fair.
9. All chickens and turkeys must be blood tested within 90 days of state show. For more information about the blood testing requirements, consult Information about Disease Testing Requirements for Poultry and Game birds in Kansas by Scott Beyer, available from your local extension office.
10. Chair has the right to combine Pen of three classes (3205-3208) when there are too few entries.

3201 Standard Breeds; Large Fowl; One young bird of either sex.
3202 Standard Breeds; Large Fowl; One old bird of either sex.

3203 Standard Breeds; Bantams; One young bird of either sex.
3204 Standard Breeds; Bantams; One old bird of either sex.
3205 Production Pullets-Pen of 3. Standard bred, crossbred or strain cross pullets to be judged on egg production qualities.
3206 Production Hens-Pen of 3. Standard bred, crossbred or strain cross hens to be judged on egg production qualities.
3207 Dual purpose pullets; Pen of 3. Such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.
3208 Dual purpose hens; Pen of 3. Such as Rhode Island Reds, New Hampshire, Plymouth Rocks, etc.
3209 Turkeys, all breeds; one bird of either sex
3210 Ducks, Call or Bantam, all breeds; one bird of either sex
3211 Ducks, all breeds; one bird of either sex
3212 Geese, all breeds; one bird of either sex

The Kansas State Fair will award rosettes to the Best in Show and Reserve Best in Show birds.

4-H POULTRY JUDGING CONTEST

DILLON HALL in ENCAMPMENT BUILDING
Saturday, September 13, 2014
Chair: Dr. Scott Beyer, Extension Specialist, Poultry Sciences, K-State Research & Extension
Gary Gerhard, K-State Research & Extension, 4-H Youth Development

1. Enter COUNTY/DISTRICT TEAM in class 5930 if Seniors or 5935 if Intermediates (ie: Barton, Central Kansas District, Meadowlark-Oskaloosa). Substitutions may be made at check-in.
2. Enter COUNTY/DISTRICT TEAM MEMBERS and INDIVIDUALS NOT COMPETING ON TEAMS in class 5931 if Seniors or 5936 if Intermediates (i.e. Jane Doe, John Smith, Mary Harper, Todd Wilson). Subsitutions may be made at check-in.
2. Time: 10:30 AM all contestants must report to Dillon Hall, Encampment Building. Contest begins at 11:00AM. The Awards Assembly will be in Dillon Hall in Encampment Building at 3PM.
3. Intermediate division (age 9, but not yet 14) and senior division (age 14, but not yet 19) before January 1 of current year. Contestants in National 4 H Competitive Events cannot have reached their 19th birthday as of January 1 of the year in which the National 4 H Competitive Event is held.
4. Eligibility:
   a) A County Extension Council may enter a maximum of one team (three or four individuals) in each division. Each District Extension Council may enter a maximum of one team (three or four individuals) in each division equal to the number of counties comprising the extension district. Intermediates may judge in the Senior Division to complete a team. An individual may compete for individual awards if less than three persons are available to form a team. If a county/district enters a team, they must provide at least one person to assist with the contest. Extension units may enter individual
   b) Contestants who have competed at the National 4-H Poultry Judging Contest are not eligible to compete in this contest.
   c) In keeping with National 4-H rules, contestants who have participated in post-secondary course work or training for post secondary competition in the subject area of this contest are not eligible to compete.
   d) All team members competing in out of state contest must be 14 before January 1 of current year and meet other eligibility requirements listed in special rules.
5. Eight Classes to be Judged:
   a) 2 classes of pullets or hens to be judged according to egg production.
   b) 1 class dressed turkeys; graded according to government grades.
   c) 1 class of market eggs; judged on size, color, shell texture, uniformity, and cleanliness.
   d) 1 class of market eggs; broken-out, judged on interior quality.
   e) 1 class dressed poultry; graded according to government grades.
   f) 1 class market eggs; graded for interior quality by candling according to government grades.
   g) 1 class of ten broiler parts for identification. Selected from the 15 listed in the National 4-H Poultry Judging Manual.

Oral reasons will not be given at the state contest. The winning team should be prepared to present reasons at the national contest.

5930 Senior Poultry Judging Co/Dist. Team Name
5931 Senior Poultry Judging Contestant Name
5935 Intermediate Poultry Judging Co/Dist. Team Name

5936 Intermediate Poultry Judging Contestant Name

The top Senior team plus the highest Senior individual not on that team will represent the state at the national contest. **The Kansas State Fair** will sponsor $600 toward the expenses of sending the team and individual to the National 4-H Poultry Judging Contest. **The team and individual will be reimbursed after results of the contest and summary of expenses are reported to the State 4-H Office.** Judging medals will be provided for the three high scoring individuals in the Intermediate and Senior Divisions of this contest, and rosettes to members of the first place team in the Intermediate and Senior Divisions of this contest.

4-H SHOOTING SPORTS

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Katey Taylor, Sedgwick County Volunteer
Jim Adams, K-State Research & Extension, 4-H Youth Development

1. A member may make only one entry in this division.
2. Exhibits in this division are open to educational displays or promotional posters. Follow copyright laws as explained in the General Rules as you are preparing your exhibit. Take care to select durable materials to with stand State Fair conditions. The educational display must be the standard tri-fold board ONLY, must not exceed standard tri-fold: 3' wide x 4' tall. Promotional posters must be flat and no larger than 22"x 28". THE EXHIBIT SIZE RULE WILL BE STRICTLY ENFORCED! Exhibits exceeding the size guidelines will be penalized one ribbon color.
3. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS AND KANSAS STATE FAIR MANAGEMENT POLICIES. No "live" ammunition containing propellant or explosive powders may be used in any display! Artistic substitutes must be used in lieu of powder and "live" ammunition. Please remember that neither the Kansas State Fair nor the department of 4-H Youth Development, Kansas State University Research and Extension are liable for the loss or damage of any personal property included as part of your display.
4. Name, county or district, age and year in project should be in a prominent location on the exhibit.
5. Exhibits will only be accepted from Extension Units with 4-H Certified Shooting Sports Programs.
6. Exhibits will not be accepted if they are related to reloads.
7. Displays and posters will be judged on the following points:

Stopping Power.....15
Is the main idea specific?
Is the idea presented clearly, simply, forcefully?
Interest, Holding Power.....15
Does the exhibit give the observer additional facts in a clear, concise informative way?
4-H Project application.....15
Is the subject matter an effective showcase?
Mechanical Power.....5
Correct letter size, pleasing color combination, appropriate symbols, and models?
Personal Growth 25
How much knowledge was gained by exhibitor?
Educational Value 25
Knowledge shared?
Total.....100

6200 Educational Display- Must be directly related to the 4-H Shooting Sports Project (standard tri-fold boards only, no larger than 3'x4').

6201 Promotional Poster- Must promote 4-H Shooting Sports (Flat poster no larger than 22"x28")

4-H SPACETECH – ASTRONOMY

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Mary Waymire, Morris County Volunteer
Deryl Waldren, K-State Research & Extension, 4-H Youth Development

1. The 4-H member must be currently enrolled in the 4-H SpaceTech project to exhibit in this division.
2. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or districts should select only top blue or purple ribbon Astronomy exhibits which meet State Fair guidelines.
3. Telescopes entered in this division may be built from a kit or by original design. Pre-finished telescopes which require no construction or painting are not acceptable exhibits.
4. Telescopes are limited to no more than three feet in length. They must be placed on a stationary stand that does not allow the telescope to roll and/or fall over. The stand cannot extend past two feet in length or width.
5. Each State Fair telescope exhibit must include a "4-H Astronomy Exhibit Information Form," which should be attached to the outside of a 10" x 13" manila envelope. You must also include construction plans (or a photocopy) of the telescope and place it inside the manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
6. Two photographs showing telescope construction and operation are required. Photographs should be mounted on one side of an 8 ½" x 11" page. A brief caption should accompany each photograph. Place photos in the 10" x 13" manila envelope.
7. The telescope must be properly assembled and painted with a smooth and uniform finish. Decals, if used, should be attached smooth and tight.
8. Telescopes designed by the exhibitor must be original, not a modification of an existing kit.
9. Educational displays should be creative and showcase something specific the 4-H member has learned in the Astronomy project during the current 4-H year. Follow copyright laws, as explained in the General Rules. Site your sources of scientific information on your exhibit, when appropriate.
10. Educational displays are not to exceed a standard commercial 3' X 4' ' tri-fold display board. No cardboard table exhibits will be allowed. Care should be taken to use durable materials that will withstand State Fair conditions. No electricity will be provided.
11. Exhibitor's name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the telescope stand, educational display, notebook, and/or poster.
12. Astronomy educational posters must be no larger than a 22" x 28" poster board.
13. Astronomy project notebooks must be organized in a 3-ring binder.
14. SpaceTech Superintendent(s) will be present on the first Friday of the fair at 5:00 pm to convey judging criteria and to answer questions for exhibitors. Consultation/Interview judging is not available during judging on Friday.
15. Astronomy exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or Deryl Waldren. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified.

5500 Telescope made from kit
5501 Telescope made from original design
5502 Astronomy Educational Display
5503 Astronomy Educational Notebook
5504 Astronomy Educational Poster

4-H SPACETECH - COMPUTERS

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Tony Foster, Kansas 4-H SpaceTech Superintendent
and Central Kansas District - Salina and Wabaunsee County Volunteer

Deryl Waldren, K-State Research & Extension, 4-H Youth Development

1. The 4-H computer project teaches concepts related to computers, hardware knowledge, software programming and applications, internet safety, the building, maintenance and repair of computers and future career opportunities. Please note that the actual construction of computer hardware (i.e., building a computer, electronic devises with a mother-board based manipulation) will remain in the Energy Management division.
2. The 4-H members must be currently enrolled in the 4-H SpaceTech project to exhibit in this division.
3. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or district should select only top blue or purple ribbon computer exhibits which meet State Fair guidelines.
4. Educational display boards, posters and notebooks should be creative and showcase details about the knowledge learned in the computer project. Value is placed on youth who can demonstrate how their skills have increased while completing the project.
5. Each exhibit will be judged on uniqueness, creativeness, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet will be available on the Kansas 4-H SpaceTech website.
6. Follow copyright laws, as explained in the General Rules as you are preparing your exhibit(s). Site your sources of scientific information on your exhibit, when appropriate.
7. For 2014, display boards, posters and notebooks are the only computer exhibits being accepted.
8. For 2014 notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits as in some phases of SpaceTech.
9. Computer exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or Deryl Waldren. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified.
10. Educational posters must be no larger than 22" x 28" poster board.
11. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. Commercially available “Science Fair Presentation Boards” are encouraged. Exhibitors are encouraged to laminate all posters and maps or cover them with clear plastic film.
12. Project notebooks must be organized in a 3-ring binder.
13. Exhibitor’s name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
14. SpaceTech superintendent(s) will be present on Friday, September 5, 2014, at 5 p.m. to convey judging criteria and to answer questions for exhibitors. Consultation/interview judging is not available during judging on Friday.
15. If the notebook illustrates the creation, talks about, or shows the result of an app, application, executable, program, or other compiled /interpreted “source code,” a copy of the source code should be included. (In other words if you created an app for a smart phone and you're illustrating that app, you should include the code you used to build the app). Failure to include a copy of the “source code” may result in up to one ribbon place deduction.
16. Beginning in 2015, additional and more advanced computer exhibits will be accepted. This second phase of the computer project will consist of using virtual machines (VM's) to develop highly functional applications. These applications can be transported from system to system and are typically not constrained by physical hardware. Full details will be announced next year.

5587 Computer Educational Poster
5588 Computer Display Board
5589 Computer Notebook

4-H SPACETECH - GPS/GIS

4-H CENTENNIAL HALL

Friday, September 5, 2014

Chair: Kjrsten Abel-Ruch, Douglas County 4-H Program Assistant

Deryl Waldren, K-State Research & Extension, 4-H Youth Development

1. The 4-H Geospace project teaches concepts related to GPS (Global Positioning Systems) and GIS (Geographic Information Systems), geospatial technology applications and future career opportunities.
2. The 4-H members must be currently enrolled in the 4-H SpaceTech project to exhibit in this division.
3. Each exhibitor may enter one exhibit per class. Exhibit must have been completed during the current 4-H year and have been selected at the county level for entry at the State Fair level. Counties or district should select only top blue or purple ribbon GPS/GIS exhibits which meet State Fair guidelines.
4. Educational display boards, posters and notebooks should be creative and showcase something specific you have

learned in the GPS/GIS project during the current year. Follow copyright laws as explained in the General Rules as you are preparing your exhibit(s). Site your sources of scientific information on your exhibit, when appropriate.

5. Each State Fair GPS/GIS exhibit must include a GPS/GIS "Exhibit Information Form", which should be attached to the outside of a 10"x13" manila envelope. All supporting materials must fit in the manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
6. Photographs complementing the project are required. Photographs should be mounted on one side of an 81/2"x11" page. A brief caption should accompany each photograph. Place photo page in manila envelope.
7. GPS/GIS exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or Deryl Waldren. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified.
8. Educational posters must be no larger than 22" x 28" poster board.
9. Educational displays are not to exceed a standard commercial 3' x 4' tri-fold display board. Commercially available "Science Fair Presentation Boards" are encouraged. Exhibitors are encouraged to laminate all posters and maps or cover them with clear plastic film.
10. Project notebooks must be organized in a 3-ring binder.
11. Exhibitor's name, county or district, age, and years(s) in project must be tagged or labeled in a prominent location on the exhibit, educational display, notebook, and/or poster.
12. Team exhibits are defined as developed by two or more 4-H members.
13. SpaceTech superintendent(s) will be present on the first Friday of the fair at 5 p.m. to convey judging criteria and to answer questions for exhibitors. Consultation/interview judging is not available during judging on Friday.

5551 Geocache Box. Include geocache box with contents, description and photograph of location in which the box could be located. Check www.geocaching.com for instructions on place and description.

GPS/GIS Map. One map constitutes an entry. Map can be either informational or directional, computer generated or hand drawn. A map is a single product of the data gathering, manipulation and presentation skills. Multiple related maps should be entered under GPS/GIS Community Mapping Projects. Value is placed on youth that can model the learning process, or show how their skills have increased while completing the map. Only one inset map within a larger over-all map is allowed. Maps must have relevant cartographic elements as part of the map.

5555 GPS/GIS Map - Individual
5556 GPS/GIS Map – Team

GPS /GIS Community Mapping Project. Two or more maps on a related project constitute an entry.
Maps can be either informational or directional. Complete and attach a Map Project Description Sheet with entry. Community Mapping Projects consist of a detailed goal and multiple applications of either GPS or GIS skills. A conclusion is reached, a problem was evaluated or studied, a solution was found (or the problem was better defined). Value is placed on youth that can model the learning process, or show how their skills have increased while completing the project. Maps must have relevant cartographic elements as part of the map.

5557 GPS /GIS Community Mapping Projects - Individual
5558 GPS /GIS Community Mapping Projects - Team
5559 GPS/GIS Educational Poster
5560 GPS/GIS Display Board
5561 GPS/GIS Notebook
May include, but not limited to, explanation of the parts of a GIS map, illustration of how GPS works, information on "Youth Favorite Places," etc.

5570 Team Mapping Educational Display
Display should show and explain the project in detail including printouts of maps, pictures of the project being done, who was collaborated with, and how the project results have and will be utilized. Exhibit must be labeled on the back with the following information for all participating members: name, club, county/district, age as of January 1, and date display was created.

5575 Geography Educational Poster
5576 Geography Display Board

5577 Geography Notebook

Exhibit should include what was learned and knowledge gained about geography. Value is placed on youth that can model the learning process, or show how their skills have increased while completing the project.

4-H SPACETECH-ROBOTICS

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Kirk Waymire, Morris County Volunteer
Deryl Waldren, K-State Research & Extension, 4-H Youth Development

1. 4-H members must be currently enrolled in the Kansas 4-H SpaceTech project to exhibit in this division.
2. Each exhibitor may enter one robot per class. Exhibit must have been constructed and/or completed during the current 4-H year. The robot must have been selected at the county level for entry at the State Fair. Counties or districts should select only top blue or purple ribbon robot exhibits which meet State Fair guidelines.
3. Each robot must be free-standing, without the need for additional supports in order to be moved or exhibited.
4. Robot dimensions should not exceed 2 feet high, by 2 feet wide, by 2 feet deep. Weight may not exceed 15 pounds.
5. All electric components of the robot must be adequately covered or concealed with a protective enclosure. Paper is NOT considered an adequate enclosure or covering for electrical components.
6. Robots must be powered by an electrical, battery, water, air or solar source only. Robots powered by fossil fuels/flammable liquids will be disqualified. All robots must include an on/off switch for operation. No remote control devices will be allowed.
7. Each robot must be in operable working condition. The judges will operate each robot to evaluate its workmanship and its ability to complete the required tasks for this current 4-H year.
8. Each exhibitor is required to complete the “4-H SpaceTech Robotics Exhibit Information Form” which is available through your local K-State Research and Extension office. This form must be attached to the outside of a 10” x 13” manila envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
9. The exhibit must include written instructions for operation, construction plans, one to three pages of project photographs or a 5 minute CD, DVD, or video presentation, and robot programming information, if applicable. However, no exhibitor will be allowed to set up their robot in person. This information should be placed inside the 10” x 13” manila envelope mentioned above.The exhibitor may enter their electronic project listed under the electric program as under the SpaceTech robotics project if the exhibitor so chooses. Robots that include weaponry of any kind will be disqualified.
10. Creativity, workmanship, and functionality will be strong criteria in judging the “Robot designed by Exhibitor” classes.
11. Exhibitor’s name(s) and county or district must be tagged or labeled in a prominent location on the robot, educational display, notebook and/or poster board. Remember to site your sources of scientific information on your exhibit, when appropriate.
12. Educational displays are not to exceed a standard commercial 3’ X 4’ tri-fold display board. No card board table exhibits will be allowed. Care should be taken to use durable materials that will withstand State Fair conditions. No electricity will be provided.
13. Team project notebooks must be organized in a 3-ring binder and should highlight information/roles of each team member, drawings, charts, photographs, goals and objectives of your robotics project, and all robotic competitions your team has competed in during the current 4-H year.

1. There are no county or district boundaries that must be adhered to in order to form a Kansas 4-H SpaceTech Robotics team. However, as mentioned in #1, each team member must be currently enrolled in the Kansas 4-H SpaceTech project.

15. SpaceTech Superintendent(s) will be present on the first Friday of the fair at 5:00 pm to convey judging criteria and to answer questions for exhibitors. Consultation/interview judging is not available during judging on Friday.
16. Judging of the robotics projects at the Kansas State Fair will take place on the first Friday of the fair from 1-5 pm. All exhibits must include written instructions for operation as per #9 rule. General comments will be given at 5 pm. This is not conference judging.
17. Robotics exhibits may be checked out for use in a Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. for permission, check with the superintendent or with Deryl Waldren. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified.

Division A - Novice – One to Two Years in Robotics Project

5505 Robot made from a commercial (purchased) kit.
5506 Robot designed and constructed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
5507 Programmable robot made from a commercial (purchased) kit.
5508 Robotics Educational Display
5528 Robotics Educational Notebook
5529 Robotics Educational Poster

Division B – Intermediate – Three to Four Years in Robotics Project

5509 Robot made from a commercial (purchased) kit.
5510 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
5511 Programmable robot made from a commercial (purchased) kit.
5512 Robotics Educational Display
5536 Robotics Educational Notebook
5537 Robotics Educational Poster

Division C – Professional – Five or More Years in Robotics Project

5513 Robot made from a commercial (purchased) kit
5514 Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.
5515 Programmable robot made from a commercial (purchased) kit.
5516 Robotics Educational Display
5538 Robotics Educational Notebook
5539 Robotics Educational Poster

Division D – Team Robotics Project

5517 Robot designed and constructed by two or more 4-H SpaceTech project members. The robot must not be a mere modification of an existing robot kit or plan. The robot may be a programmable type that is made from a commercial (purchased) kit. This division is designed to encourage teamwork and cooperation among fellow 4-H SpaceTech members. As with many high tech projects today, no one person designs and builds a robot alone. It takes the brainstorming, planning, problem solving, and cooperation of an entire team to complete a given robotics project. Exhibitors in this division will be assigned a task for their robots to perform. The Tasks are changed annually. To participate in the KSF Robotics Challenge, you must also enter Class 5542 listed in Division E. Please visit the Space Tech website http://www.Kansas4-H.org/ for the current year's task. Click on the KSF Packet Link.
5518 Team Robotics Educational Display
5540 Team Robotics Educational Notebook
5541 Team Robotics Educational Poster

Division E - Team Robotics Challenge at the 2014 Kansas State Fair

For those team members exhibiting in Class 5517, the Team Robotics Challenge will be from 4-6 p.m. on the first Saturday of the fair in 4-H Centennial Hall, Kansas State Fairgrounds, Hutchinson, KS. Team robotics teams will randomly draw for the starting order and will be allowed three attempts in rotation to navigate the specified course. Programming corrections may be made between attempts. Practice will be from 4-5 p.m. and the challenge will begin at 5 p.m. or after the completion of 4-H judging at the west end of 4-H Centennial Hall. For more information, click on Team Robotics Challenge and the Robotics Task Rules on the right panel: http://www.kansas4h.org/DesktopDefault.aspx?tabid=52. Team Robotics Challenge details and rules will be posted by July 1, 2014.

5542 Team Robotics Challenge

4-H SPACETECH – ROCKETRY

4-H CENTENNIAL HALL

Friday, September 5, 2014

Chair: Tony Foster, Central Kansas District #3 -Salina and Wabaunsee County Volunteer

Deryl Waldren, K-State Research & Extension, 4-H Youth Development

The Kansas 4-H SpaceTech Rocketry program is designed to allow 4-H members to explore aerospace through rockets of various sizes. Kansas 4-H has adopted the National Association of Rocketry's rules, regulations, and safety guidelines.

Exhibit Information for ALL rocketry categories:

1. SpaceTech superintendent(s) will be present on the first Friday of the fair at 5:00 p.m. to convey judging criteria and to answer questions for exhibitors. Consultation/interview judging is not available during judging on Friday.
2. All revisions of all forms previously released for the SpaceTech division either undated or dated prior to 2014 are void for use and new forms must be obtained and used that are dated by the State 4-H Office for the current year. Use of old forms will result in the loss of one ribbon placing for exhibits.
3. Relevant documents may be obtained from County Extension Offices or from http://www.kansas4-h.org/p.aspx?tabid=46
4. Rocketry exhibits may be checked out for use in the Kansas State Fair 4-H demonstration or 4-H illustrated talk with prior permission. For permission, check with the superintendent or Deryl Waldren. The exhibit must be returned to display immediately after the demonstration/illustrated talk or the exhibit will be disqualified.
5. NAR refers to the National Association of Rocketry and its governing board.
6. All NAR documents, with the exception of the "pink book," referenced herein can be found at http://www.nar.org.
7. If a fire burn ban is in effect for any county in Kansas, exhibitors in any Kansas County are not required to launch their rocket(s). All requirements for the launching of rockets for the state fair and the documenting of the launching are suspended for the duration of the ban.

Exhibit Definitions for ALL rocketry categories:

1. As defined by the National Association of Rocketry (NAR), a scale model is "any model rocket that is a true scale model of an existing or historical guided missile, rocket vehicle, or space vehicle." The intent of scale modeling is, according to the NAR, "to produce an accurate, flying replica of a real rocket vehicle that exhibits maximum craftsmanship in construction, finish, and flight performance." (NAR "Pink Book" 50.1 4-1)
2. Adult supervision is defined as being under the direct supervision of someone 18 years of age or older.
3. For the purposes of Kansas 4-H SpaceTech a high powered rocket is defined as a rocket that meets any of the following criteria:
   a. Is 2 inches or greater in diameter (not including fins) and taller than 3 feet (36 inches including fins)
   b. Weighs more than 3.3125 pounds (53 ounces or 1500 grams) at the time of launch;
   c. Uses an 'E' engine or larger to launch (2D's, 4C's, 8B's, etc.);
   d. The total impulse of all engines used in the rocket is greater than 20.01 Newton-seconds of thrust.
   e. Models powered by rocket motors not classified as model rocket motors per NFPA 1122, e.g.:
      i. Average thrust in excess of 80.01 Newtons
      ii. Contains in excess of 2.2 ounces (62.5 grams) of propellant and are limited to only H and I motors.
4. High power certification is defined as having successfully completed a certification program for high-powered rocketry through the NAR and maintaining that certification. This applies to all membership levels in the NAR. Specifically the "Formal Participation Procedure" for the "Junior HPR Level 1 Participation Program" as outlined by the NAR.
5. NAR rules for launching and construction of all rockets are assumed to be used by all 4-H SpaceTech exhibitors and will be considered during judging.
6. For the purposes of Kansas 4-H SpaceTech, NO rocket may be launched using engines totaling more than an 'I' impulse engine or 640 Newton-seconds of total thrust.

Exhibit Rules for ALL rocketry categories:

Purpose: These rules apply to how rockets are to be displayed at the fair and what those displays should and should not contain. These rules apply to all rockets displayed in the SpaceTech division.

1. 4-H members must be currently enrolled in the 4-H SpaceTech-Rocketry program to exhibit in this division.
2. Entries must have been selected at the county level for entry at the State Fair. Counties/Districts should select top blue or purple ribbon rocketry exhibits which meet Kansas State Fair guidelines.
3. Each exhibitor may enter up to two rocket exhibits that have been constructed during the current year. If two rockets are entered, one rocket must be either a "kit" or a "rocketry educational exhibit" and the second may be entered into any other applicable class. An exhibitor may not enter two rockets in the same class.
4. The report that accompanies the rocket must be limited to the 4-H SpaceTech Rocket Exhibit Information Form which is affixed to a 10" x 13" envelope. This envelope should NOT be attached to the rocket stand or rocket. This may be downloaded from http://www.Kansas4-H.org/. Any rocket exhibit not including this completed envelope will receive an automatic participation ribbon.
5. Plans (or a photocopy) must be placed inside the envelope.
    a. This includes original design rockets.
    b. If a rocket kit has been modified structurally, notations need to be given indicating the changes made, either by notations on the Rocket Exhibit Information Form or by placing notes in the plans.
6. One or more photographs of the rocket at the launch site are required.
    a. Photographs showing the rocket at the moment of ignition are preferred.
    b. Photographs must be mounted on one side of 8 ½" x 11" page(s).
    c. There must be at least 1 page of photos and no more than 5 pages of photos.
    d. Include at least one photo showing rocket construction, preferably with the exhibitor included.
    e. Do not include photos of members catching their rockets as they return to earth. This is an unsafe practice, and we do not recommend or condone this practice.
7. To exhibit in this division:
    a. The rocket must have been flown.
    b. Support rods must not extend past the tip of the highest nosecone on the model.
    c. Support rods must remain in the upright position, 90 degrees to the display base, do not angle. If support rods are not perpendicular to the base, the judge should deduct two ribbon placings.
    d. No model may be submitted on a launch pad.
8. Launches should not be conducted in winds above 20 mph, and will constitute a disqualification of rocket exhibit.
9. All rockets must have a safe method of recovery, e.g., parachute, streamer or tumble recovery. Any rocket without a recovery system will be disqualified.
10. The altitude achieved by the rocket is to be determined using a method other than estimation. Examples of accepted methods include altimeter, computer software, range finders, etc. If additional space is needed to show calculations of how the altitude was achieved one additional page may be added to the rocketry information pack.
11. Flight damage is to be documented by the participant on either the construction plans or the 4-H SpaceTech Rocket Exhibit Information Form.
12. The judging of flight damage is to be secondary to all other aspects of the model and only then may it even be considered. However under no circumstance may flight damage be grounds for disqualification.
13. Engines and igniters, under any circumstance, ARE NOT permitted with the exhibit and constitute an immediate disqualification.
14. If an engine becomes stuck, jammed, wedged, or in any other way permanently affixed in or to a rocket and can not be removed from the rocket, the rocket will be subject to immediate disqualification. This is because it is not possible to make a full and immediate assessment of the safety of the rocket when it is being judged and safety is paramount.
15. Engines may not be used as display stands hollowed out or otherwise. This is a significant change from previous year's rules. Engines used as a display stand will be subject to immediate disqualification.
16. Rocket engines should not be used to join multi-stage rockets together.
    a. Multi-stage rockets can be displayed without having the stages connected together.
    b. The different stages must be included to complete the rocketry exhibit, incomplete exhibits will be deducted at least one ribbon placing.
    c. Use of any engines to join the stages together will be subject to immediate disqualification.
17. Multi-stage rockets can be flown using just the final stage and be considered fully flown.
18. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor's rocket, at the judges' discretion, will receive a participation ribbon. All information necessary will be given to the NAR and TRIPOLI for investigation and possible revocation of membership.

Construction Rules for ALL rocketry categories:

Purpose: These rules apply to the construction of all rockets displayed in the SpaceTech division.

1. Rockets are to be properly assembled according to the assembly instructions.
2. Beginner kits with prefabricated fin assemblies and pre-finished rockets requiring no painting are not acceptable, and will be given a **participation ribbon**.
3. Plastic snap together fins and prefabricated fin assemblies that **do not** require fin alignment are not acceptable, and will be given a **participation ribbon.**
    a. This rule does not apply to plastic fins that must be manually aligned and do not utilize a fin alignment mechanism, including, but not limited to fin alignment rings or spacing blocks.
    b. This rule does not apply to fiberglass, Kevlar, extruded foam, composite, or wood fins; especially when used for "through-the-wall" fin attachment techniques that are common in larger rockets.
    c. In addition, plastic parts for decorative and mechanical purposes (i.e. decorative nozzles and moving landing struts) are not considered fins and can consist of plastic. Decorative nozzles, etc. need to be securely fastened and not pose a safety hazard.
4. Angles of fins must fall within a plus or minus 2 degree variation using an approved fin alignment guide (such as KSSTAC10). An official fin guide is available from www.Kansas4-H.org.
5. Fins should be rounded or streamlined to reduce drag.
6. Fins and body tubes are to be sealed with sanding sealer and/or primer to eliminate the appearance of body grooves and wood grain.
7. Fins and launch lugs are to be filleted to reduce drag and properly secure them to the model.
8. Any seams on plastic parts are to be sanded smooth.
9. Body tubes/airframes/engine mounts can be made from suitable materials, including, but not limited to: reinforced paper, cardboard, phenolic resin, specialized polymer resins, fiberglass, Kevlar, or other suitable structural materials.
10. The nose cone is to fit snugly but still allow for easy removal.
11. Exhibits must be uniformly painted and smoothly finished or finished as per rocket instructions, and have decals applied smoothly.
12. Non standard surfacing (such as textured paint) may be used if directed by the instructions, this includes scratch built rockets.
13. Models may not be judged based on their paint scheme (colors and placement on the rocket), with the exception of rockets that fit the definition of a "scale model." All other rockets do not have to follow the suggested paint scheme, allowing the 4-Her to display maximum creativity in the finishing of their rocket.
    a. Under no circumstances is the weight given to the paint scheme to be sufficient enough, by itself, to move the model from one ribbon placing to another.
14. "Scale models" may be judged based on their paint scheme. The judge may deduct up to one ribbon placing for not following the paint scheme.
15. Scale Model Rockets are to be finished and completed with a majority (greater than 70%) of decals.

Model Rocketry Guidelines (ages 9 and up):

Purpose: Model rockets are generally small-to-medium sized rockets that can be purchased at hobby stores or are small-to-medium sized model rockets that an individual(s) builds from parts similar to those found in model rocket kits.

1. Rockets classified as high powered may not be entered in this category.
2. Each rocket must be able to stand freely by itself or be supported by a solid base, not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.
3. If the model rocket is greater than 4 feet tall it can be displayed without a base, or displayed parallel to the ground with up to 3 notched blocks not to exceed 4" in height width and depth. The exhibitor's name, county or district, and age must be labeled on the base.
4. All exhibitors must comply with the NAR Model Rocket Safety Code that is in effect as of October 1st of the current 4-H year. However in the event that there is a modification in this code, the SpaceTech Action Team may review and implement the modified code.

Original Design Rocket Guidelines (ages 11 and up):

Purpose: To allow for youth to develop their own rockets (model and high powered) in a safe manner that displays maximum craftsmanship.

1. Original design rockets cannot be a modification of a pre-existing kit and must be of original design.
2. Original design rockets must be designed by the exhibitor(s).

3. Original design rockets must include detailed instructions, so that someone could construct the original designed rocket just like a kit purchased at a store. Instructions can be as many pages as needed to convey full and complete construction techniques.
4. Original design rocket instructions should not include copies of instructions in part or in whole from existing kits.
5. For a rocket entered in the original design classes, describe in the summary how the rocket was tested for stability prior to flying.
6. Up to 4 additional pages can be added to the rocketry information pack detailing the test(s) performed to insure stability. 4-Her's are strongly encouraged to provide as much detail as possible.

Alternative Skins (ages 14 and up):

Purpose: Alternative skins are an advanced construction technique that allows the builders of model rockets to display maximum design and creativity in their models. Alternative skins are thin coverings over a supporting skeleton that serve as the finish of a rocket as opposed to painting.

Construction and Operating Rules and Guidelines:

1. The General exhibit rules for ALL categories apply.
2. Use of alternative skins used for model aircraft is permitted on rockets of original design provided adequate provisions are made to prevent the rocket from catching fire during all phases of flight.
3. When used in construction these alternative skins should not be used as primary structure for the rocket. The rocket should still be of sound design and construction to insure safety for personnel performing launch activities as well as others who are in the nearby vicinity.

Types of Covering:

1. Plastic shrink type coatings used for radio control model aircraft are permitted. These can be obtained from various manufacturers and hobby suppliers.
2. Other types of fabric coverings such as cloth types using coatings for stiffness are permitted as long as all of the rules set forth above are met.

Quality of Finish:

When the above finishes are used the following judging criteria will apply in addition to those for judging other rocketry divisions.

1. Seams and transition areas will be uniform and even when they are needed in the construction.
2. Gaps and holes are not permitted in the covering especially where the fins or other stabilizing devices meet the main body of the rocket.
3. Omission of these skins from the bottom of the rocket is permissible. Paints and other types of coatings currently used for rocketry may be substituted in these areas.
4. Alternative skins in this section may also be used in conjunction with paints on the rocket. However, care shall be taken to insure that edges of the alternative skins will not peel off in flight.

Division A -Exhibitors 9 through 13 years old

5520 Rocket made from kit. Include plans.

Division B -Exhibitors 11 through 13 years old (9-10 year olds may not enter in this class)

5521 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.

Division C -Exhibitors 14 years and older

5525 Rocket made from kit. Include plans.

5526 Rocket designed by exhibitor: not merely a modification of an existing kit. Include original plans.

5527 Rocket designed by exhibitor: that uses alternative skins; not merely a modification of an existing kit. Include original plans.

Division D -Exhibitors 11 years and older

This class is designed to encourage teamwork among individuals and clubs to work on a rocket from the initial design to the finished product.

5530 Rocket designed by 2 or more exhibitors: not merely a modification of an existing kit. Include original plans.

High Power Rocketry Guidelines:

Purpose: To allow for improved safety and judging of rockets that meet the requirements of 4-H high power rockets.

1. Exhibitors must be at least 14 years of age by January 1 of the current year.
2. The rules for ALL categories apply.

3. In addition to the information packet completed for all rockets, a high power information form is to be completed and placed inside of the information packet. This may be downloaded from http://www.Kansas4-H.org/. Click on KSF Packet link.
4. The NAR High Power Rocket Safety Code applies to the construction and launching of all rockets displayed in this division. As such all exhibitors must comply with the NAR High Power Rocket Safety Code that is in effect as of October 1st of the current 4-H year. However in the event that there is a modification in this code the SpaceTech Action Team may review and implement the modified code.
5. All rockets in this division are to be launched under adult supervision by the 4-H member who constructed the rocket.
6. If a rocket is launched using an engine(s) that has 160.1 ('H' engine or equivalent amount of smaller engines) Newton's-seconds or larger, adult supervision must be provided by an individual having at least a level 1 high power certification.
    a. The 4-H member should also hold or be attempting to attain their level 1 high power certification, and should include supporting documentation of such (a copy of Level 1 card is sufficient).
7. If according to Federal Aviation Regulations Part 101, a waiver is required to fly the rocket, a copy of that waiver is to be attached to the High Power Information Form. In the case where the launch was a public event a substitute to a copy of the waiver is the Range Safety Officers (RSO's) contact information.
8. High Power Rockets may be displayed without a supporting stand. If a supporting stand is used, it is not to exceed 4-1/4" (four and one-quarter inch) thick and 8" square. The exhibitor's name, county or district, and age must be labeled on the base.

Division E -Exhibitors 14 years and older

5535 High power rocket made from kit or original design.

Rocketry Educational Exhibits – Posters, Notebooks and Display Boards

Purpose: To allow 4-Hers to explore rocketry and aerospace outside the bounds of traditional modeling.

1. The General Exhibit rules for ALL categories apply.
2. Entries must have been selected at the county level for entry at the Kansas State Fair. Counties/Districts should select top blue or purple ribbon Educational Rocketry Exhibits which meet State Fair guidelines.
3. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
4. Exhibits may not consist of only a rocket, but must contain substantial supporting educational material in the form of posters, notebooks, or display boards, etc.
5. Displays should be creative and showcase something specific you have learned in the Rocketry project during the current 4-H year.
6. Follow copyright laws, citing all sources of information in a standard notation on the "4-H Educational Rocketry Exhibit Information Form." Additional pages can be added inside the Information Packet and should be labeled "Citations." Site your sources of scientific information on your exhibit, when appropriate.
7. Educational displays are not to exceed a standard commercial 3'x 4' tri-fold display board. No card board table exhibits will be allowed. Care should be taken to use durable materials that will withstand Kansas State Fair conditions.
8. "Construction Kits" that are part of Educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 1' X 2' X 2' and must have a latch which securely keeps all components contained in the "Construction Kits". Other components are to adhere to appropriate dimensions as stated elsewhere.
9. Rocketry Educational Project notebooks must be organized in a 3-ring binder.
10. Educational posters must be no larger than a 22" X 28" poster board.
11. Engines and igniters ARE NOT permitted with the exhibit and constitute an immediate disqualification. This is for safety reasons and includes both spent and live engines.
12. Exhibitor's name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the educational display, notebook, "Construction Kit," and/or poster.
13. Exhibits should possess the following qualities (in no particular order):
    a. A Central theme
    b. What you want others to learn
    c. Be designed and constructed in a manner befitting the exhibit
    d. Be something you are interested in
    e. Be related to model or high power rocketry

f. And those characteristics described above.

Division F – Exhibitors 9 through 13 years old

5522 Rocketry Educational Display

5523 Rocketry Notebook

5524 Rocketry Poster Board

Division G – Exhibitors 14 years and older

5531 Rocketry Educational Display

5532 Rocketry Notebook

5533 Rocketry Poster Board

4-H VISUAL ARTS DISPLAY

4-H CENTENNIAL HALL
Friday, September 5, 2014
Co-Chairs: Ann Religa, Harvey County Agent &
Allison Lecklider, Central Kansas District Volunteer, Judy Reed, Edwards County Volunteer
Pam Van Horn, K-State Research & Extension, 4-H Youth Development

1. **A member may display only one visual arts item.**
2. All exhibits which need to be hung MUST have a wire or saw tooth hanger attached (no string or tape) in order to be properly displayed. If necessary hardware is not attached, it may not be displayed.
3. Multi-piece items should be marked accordingly.
4. **Exhibit quotas for each county/district will be listed in the State Fair packet.**
5. 4- H members should exhibit in the project in which they are enrolled. The Fiber Arts Project offers classes for quilting, embroidery, counted-cross stitch, etc.
6. All exhibits are entered at your own risk. Art Release Form covers items while on display at Rock Springs.
7. Art Release Form must accompany art exhibit to be considered for Rock Springs display.

4500 4-H Visual Art

These exhibits will receive participation ribbons for being on display. They are not judged competitively as they demonstrate individual creativity, free expression, and developmental levels of the exhibitor. Some artwork will be selected to be on display at Rock Springs 4-H Center during 2014-2015. 4-H members should include an Art Release Form available from their Extension Office with their exhibit indicating their willingness to have their art displayed at Rock Springs for a year. The release form will be removed at check-in and filed by county/district to expedite the selection process. Participation ribbons for all visual art displays will be put in county/district packets to be picked up by agents at the close of the Fair. Previous Rock Springs display items will be returned to Extension Units upon the conclusion of the State Fair.

4-H WILDLIFE

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: TBD
Gary Gerhard, K-State Research & Extension, 4-H Youth Development

1. A MEMBER MAY MAKE ONLY ONE ENTRY IN THIS DIVISION.
2. EXHIBITORS MUST COMPLY WITH STATE AND FEDERAL LAWS. It is illegal to possess threatened or endangered wildlife, or the feathers, nests, or eggs of non-game birds. Game birds and game animals taken legally during an open season may be used. The use of live wild animals in educational exhibits is prohibited.
3. KSRE, 4-H Youth Development or the Kansas State Fair are not responsible for damage during the exhibition period.
4. Name, county or district, age and year in project should be in a prominent location on the exhibit.
5. Notebooks and Displays will be judged on the following points:
   Stopping Power..... 15
   Is the main idea specific? Is the idea presented clearly, simply, forcefully?
   Interest, Holding Power..... 15
   Does the exhibit give the observer additional facts in a clear, concise, informative way?
   4-H Project Application..... 15
   Is the subject matter an effective showcase?
   Mechanical Power..... 15

Correct letter size, pleasing color combination, appropriate symbols, and models
Personal Growth..... 25
How much knowledge was gained by exhibitor? Was enthusiasm shown?
Educational Value..... 25
Knowledge Shared. Note: Credit all citations, websites or other resources used in creating your exhibit.

6. Posters will be judged on the following points:
   General Appearance..... 30
   Information..... 50
   Organization..... 20

5400 Notebook. Contents pertain to some phase, results, story or information about the wildlife project
5401 Promotional Poster. Must be related to something learned in the wildlife project. (Flat poster board or foam board no larger than 22" x 28")!
5402 Educational Display. Must be directly related to the wildlife project. Maximum tri-fold size is 3' x 4'.
5403 Taxidermy/Tanning Exhibit. Should include an attachment that shows the work in progress through photos with captions, or a detailed journaling of the process.

4-H WOODWORK

4-H CENTENNIAL HALL
Friday, September 5, 2014
Chair: Chuck Otte, Geary County Agent
Rod Buchele, K-State Research & Extension, 4-H Youth Development

1. Exhibits must be entered by 5:00 pm on the first Friday of the fair.
2. Each exhibitor is limited to one exhibit in this division.
3. The plan from which it was constructed must be with the article exhibited. The plan may be a photocopy, the actual pattern, or a scale drawing. It must be complete and accurate to the extent that a duplicate article could be built using the plan as a guide.
4. Projects with missing or insufficient plans will be lowered one ribbon placing (i.e. a blue ribbon exhibit will receive a red ribbon).
5. Projects that have unsecured glass, i.e., glass shelves, glass top of a coffee table, etc., should not be brought to the fair. Glass that is secured in the project, i.e., glass front of a gun case or cabinet, etc., is permissible since it cannot be easily removed.
6. The entry card, plans and all other paperwork should be secured to the project in some manner. Tape is usually not adequate to accomplish this. It is recommended to use a zip top plastic bag with a hole punched through it and using string to tie this to the exhibit.
7. Refinished/ repaired furniture should be exhibited in Home Environment Class 4400 - Single Exhibit.
8. Projects made from pre-cut kits are not allowed.
9. In judging woodwork articles, consideration will be given to: Workmanship, including accuracy to the plan; Design; Choice of wood; Suitability and quality of finish; and Usefulness.

4700 Article for farm or shop use
4701 Furniture for household or lawn use
4702 Other woodwork. Articles not included in above classes. Examples: bird houses, bird feeders, household equipment such as knife racks, bread boards, door stops, etc.