



Fulton County 4-H Show Book



Illinois Extension

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

College of Agricultural, Consumer & Environmental Sciences
[Serving Fulton, Mason, Peoria, & Tazewell Counties](#)



Cover Designer

Aliyah Janssen

12 years old

Avondale 4-H Club



A Message to the 4-H Member

Interviewing is a learning experience, from which, you can learn what you did well and how you could improve in the future. An exhibit does not measure all that you have learned, but it is an example of what you have done.

1. During the interview, the project expert will encourage you to talk about your exhibit.
2. You will be asked some questions about your exhibit, so you should be prepared to tell what you were trying to do in your project (goals and objectives) and be able to describe the methods and processes used to produce the exhibit.
3. Read and follow the rules and requirements for your project carefully.
4. Learn and practice good sportsmanship.
5. Listen carefully to the project expert, so you can accept constructive criticism, and learn from it.
6. Remember, project expert's comments can be helpful, but they are only one person's evaluation.
7. Realize people make mistakes sometimes.

Typical Conference Judging questions

- How did you create your exhibit?
- What did you learn?
- What would you change for next time?
- How many years have you been in this project?
- What did you like best?
- What was the hardest part?
- Who helped you with your project?
- Did you make this for anyone specific?
- What equipment did you use?

University of Illinois Extension, Fulton-Mason-Peoria-Tazewell Unit, extension.illinois.edu/fmpt

Fulton County 4-H, extension.illinois.edu/fmpt/4-h-fulton-county

15411 N IL 100 Highway, Lewistown, IL 61542-9468

Phone: 309-547-3711

Staff

- Krista Gray, 4-H Program Coordinator, kristakg@illinois.edu
- Deb Balagna, Office Support, dbalagna@illinois.edu
- Emily Schoenfelder, 4-H Unit Educator, eschoe@illinois.edu
- Earl Allen, County Director, erallen@illinois.edu

Table of Contents

Instructions to complete 4-H Show Registration form	pg. 4
4-H Show Schedule	pg. 5
General Information, 4-H Show Rules	pg. 6
Livestock Rules	pg. 7
4-H Premiums	pg. 7
4-H Entry Tags	pg. 8
State Fair Policies	pg. 8
Dept. L—Livestock	pg. 9
Dept. D—Dog Show	pg. 11
Dept. H—Horse Show	pg. 12
Dept. AS—Animal Science	pg. 14
Projects: Animal Sciences, Vet Science,	
Dept. PS—Plants and Soils	pg. 15
Projects: Crops & Soils, Floriculture, Vegetable Gardening, Plant & Soil Science	
Dept. CG—Community Involvement and Global Awareness	pg. 20
Projects: Civic Engagement, Service Learning, Exploratory, Intercultural	
Dept. ENR—Environment and Natural Resources	pg. 21
Projects: Beekeeping, Entomology, Exploring your Environment, Forestry, Weather, Geology, Sportfishing, Natural Resources, Outdoor Adventures, Wildlife, Shooting Sports	
Dept. F—Food, Nutrition, and Health	pg. 25
Projects: 4-H Cooking, Food Preservation, Health	
Dept. HF—Home and Family	pg. 28
Projects: My Financial Future, Entrepreneurship, Interior Design, Child Development, Family Heritage	
Dept. CT—Clothing and Textiles	pg. 31
Projects: Shopping, Sewing	
Dept. ET—Engineering and Technology	pg. 34
Projects: Aerospace, Bicycle, Computer Science, Drone Technology, Electricity, eSports, Maker, Robotics, Small Engines, Tractor, Welding, Woodworking	
Dept. PD—Personal Development	pg. 40
Projects: Communications, Filmmaking, Leadership, Theater Arts, Photography, Public Presentations, Visual Arts	



Instructions for completing 4-H Show Registration form

Instructions

1. Use a ball point pen on all registration sheets. Please print clearly.
2. This form will be used by Extension staff to enter your 4-H Show entries, in which we will record ribbons and premiums.
3. Print your name, birthdate, 4-H age, youth club, your parent(s) name and phone number. If you have any medical conditions you would like the 4-H staff and volunteers to be aware of, you can indicate them in the space provided or contact Extension staff directly.
4. In the column headed Dept., place the letters of the department. (L, D, H, AS, CG, ENR, F, HF, CT, ET, PD)
5. In the next column, enter the class number (#). "SF" before class number indicates it is a State Fair eligible class. "F4H" indicates it is a county-level class, not eligible for State Fair.
6. Write the class name in the next box.
7. Horse exhibitors should write their Horse Name and Horse/Pony height in the final column. Others can leave that column blank.
8. If you have more than 15 exhibits, use the back side of the form.
9. Sign and date the form.
10. 4-H members must be enrolled by the appropriate project deadlines (Jan. 1/May 1) to be eligible to register for the 4-H Show.
11. All exhibits must be Registered by the July 1, 2022 deadline on the 4-H Show form to be considered for awards, premiums, and State Fair.
12. Registration forms are due in the Extension Office, 15411 N IL 100 Highway, Lewistown, IL 61542, by the July 1 deadline.
13. Members who are also participating in the Fulton County Fair are required to complete the Fair Entry Form, which is available from the County Fair office. See the Fulton County Fair book for those details.

Each exhibitor is responsible for his/her own entry.





2022 SHOW SCHEDULE

Saturday, March 26, 2022

2:30 PM Public Speaking Contest, University of Illinois Extension office, Lewistown

Sunday, May 1, 2022

Fulton 4-H Enrollment Deadline & Horse Ownership/Lease paperwork due to Extension office

Friday, July 1, 2022

Fulton 4-H Show Registration and Fulton County Fair Entries due to Extension office

Creative Writing submissions due to Extension office

Saturday, July 9, 2022

Fulton 4-H General Show, Cuba Junior/Senior High School, Cuba

10 AM Clothing Judging begins

Noon Project Check-in begins

1 PM Project Judging begins

Monday, July 25, 2022

Fulton 4-H Dog Show, Fulton County Fairgrounds, Lewistown

9 AM Dog Care

10:30 AM Dog Obedience

Fulton County Fair begins—livestock exhibits. See County Fair Book for complete schedule

Tuesday, July 26, 2022

TIME to be determined, Master Showmanship Contest, Fulton County Fairgrounds, Lewistown

Saturday, August 6, 2022

9 AM Official Horse Show, Fulton County Fairgrounds, Lewistown

Saturday, August 13, 2022

Fulton County general project exhibit day at Illinois State Fair, Springfield

General Information

4-H Show Rules

1. See the 4-H Show schedule for details on judging times and locations.
2. Active Fulton County 4-H members who have met enrollment deadlines are eligible to register for 4-H Show exhibits. January 1 enrollment deadline: livestock; May 1 enrollment deadline: general projects.
3. 4-H Show registration deadline is July 1.
4. Ages noted in the 4-H Show Book refer to 4-H age: the member's age as of Sept. 1, 2021.
5. All 4-H exhibits must be the work of the member during the current 4-H year, Sept. 1—Aug. 31. All livestock must be cared for by the 4-H member. Other adults may assist the youth in preparing the animal(s) for the show, but it is expected that the members will be doing the majority of the grooming, training, preparing, etc.
6. Members must exhibit the stated project requirement, during the appropriate county 4-H Show in order to be eligible to receive 4-H premiums. In Fulton County, members are paid the maximum of one premium per 4-H project in which they are enrolled. For example: 4-H member enrolled in Horticulture A (May 1 deadline) and exhibited in the Herb Display class AND the Fruit Plate class. The member would receive one 4-H premium for Horticulture, and is eligible for ribbons and state fair honors in both classes.
7. Each 4-H exhibit is judged on its own merit and not against another 4-H member's project. 4-H projects are conference judged.
8. Showmanship and/or Best of Show rosettes will be awarded in all project areas.
9. Class numbers that start with "SF" are eligible for State Fair. Class numbers that start with F4H are county-level classes and NOT eligible for State Fair.
10. State Fair selections (non-livestock categories) will be made during the 4-H judging, at the judges' discretion.
11. Note size limits within some class descriptions.
12. Questions about a judge's decision can be directed to University of Illinois Extension staff. Extension staff will work with 4-H Youth Committee members and 4-H Show volunteers to review exhibit requirements and address the question.
13. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. Extension staff will remove any exhibits deemed inappropriate for youth audiences.
14. Copies of the current judging sheets (judging criteria) can be obtained at the Extension office.
15. For most 4-H projects, the standard scoring system is: Blue = Superior/Very Good, Red = Good/Standard, White = Fair/Needs Improvement
16. If you need a reasonable accommodation to participate in any 4-H event, contact the University of Illinois Extension office at least two weeks prior to the event.
17. University of Illinois Extension staff and volunteers will not be held responsible for damaged or stolen projects at any of the 4-H shows.
18. A youth may only belong to 4-H in one county, unless special family circumstances are a factor (for example, child lives with other parent in the summer), or unless a nearby county offers a project that your own county currently does not (Archery would be an example). Call the Extension office if you have questions about this policy.
19. If you cannot be with your non-livestock project at the County 4-H Show, it is a good idea to write a paragraph and attach it to your project. Tell how you did your project, and what you learned from completing it.
20. General Show projects remain on display until the Superintendent releases the whole department (judging, awards, and paperwork completed.)



Livestock Show Rules

In addition to the 4-H Show rules on the previous page, livestock exhibitors showing animals have the following requirements.

1. 4-H livestock exhibitors are responsible for reviewing this 4-H Show book AND the County Fair book for complete details.
2. Livestock exhibitors are required to meet the current year's Livestock Health and Exhibition Requirements available in the Fulton County Fair Book, at the Extension office, and online at bit.ly/3Nm2oho.
3. Health papers will be collected before the exhibitor is allowed to unload and stall his/her animals.
4. Members wishing to be eligible for both 4-H and County Fair premiums and awards must complete both the 4-H Show Registration form AND the County Fair Entry form. Both are due July 1 at the U of I Extension office. Members are responsible for their own County Fair entry requirements and fees. U of I Extension staff will process the 4-H livestock exhibitors County Fair entry forms/fees and then deliver them to the County Fair office.
5. County Fair Superintendents are responsible for assigning livestock pens for the Fair. See the Fair Book for specific time requirements for having your animals in place.
6. All livestock exhibits MUST be the property of the exhibitor, and registered in his or her name only, no partnerships recognized. 4-H exhibitors must have registration papers available upon request.
7. All exhibitors are expected to exhibit their own animals. If there are two entries in the same class, the second exhibit can be shown by another junior exhibitor. Any exceptions to this rule must be cleared with the Superintendent. **Children younger than 4-H age may NOT show your livestock for you under any circumstances.**
8. All animals must remain in place on exhibition until dismissed by the Livestock Superintendent.
9. While the 4-H Livestock Shows are held in conjunction with the Fulton County Fair, the 4-H judging is a separate entity, where the judge gives 4-H ratings of Blue, Red, or White, rather than Jr Show placings.
10. While others may assist the 4-H member in preparing the animal(s) for show, it is expected that the member will be doing the majority of the grooming and preparation.

4-H Premiums

- During the 4-H Show, youth are conference judged. The judge selects the grade and awards based on the interview and exhibit. All exhibits are judged on the Danish Judging System. Each completed exhibit meeting the project show requirement will receive either a Blue, Red, or White award ribbon.
 - A = Blue = Superior (3X)
 - B = Red = Good (2X)
 - C = White = Fair (1X)
- The dollar value of X will be determined after all the county 4-H shows have been held, depending on the number of exhibits and the amount of money allotted for Fulton County 4-H Shows. This amount is based on the number of enrolled 4-H members and is paid from funds received from the State of Illinois, if allocated by the state that year.
- In Fulton County, members are paid the maximum of one premium per 4-H project in which they are enrolled. See General Rule 6 for more information.
- The Department of Agriculture shall use its best efforts to secure sufficient appropriations to fund premiums. In any year for which the General Assembly of the State of Illinois fails to make an appropriation sufficient to pay such premiums, premium money may not be available.
- **Tax Implications for Prizes, Gifts or Awards**
Program participants (including minors) will be required to provide their social security number or foreign national tax ID number prior to receiving a prize, gift or award of \$100 or more to ensure proper IRS reporting as required by law. This sensitive information is kept confidential and handled through security protected software (PEAR). Participants will not be eligible for prize, gift or award if social security or foreign national tax ID information is not provided.



4-H Entry Tags

1. 4-H members will receive 4-H entry tags for their 4-H General Show projects at the General Show. 4-H entry tags must be securely fastened to the exhibit. Some of your information may already be pre-printed onto the entry tags, but you may still need to add information. There will also be blank entry tags at 4-H General Show if needed that day.
2. Entry tags are **not** needed for the following shows: livestock shows, dog show, and horse show.
3. Indicate on the entry tag your age and how many years you have been in the project and unit. Names should appear on the entry tags only, not on the projects

State Fair Policies

1. All current 4-H members meet the age requirements for the State Fair Junior Show.
2. Only Blue-rated projects are eligible for State Fair non-livestock selection. In some cases a certain score must be met to be considered for State Fair.
3. Exhibitors must be enrolled and participating in the current year in the project exhibited.
4. All entries must be the products of the current 4-H year.
5. An individual 4-Her may enter one non-livestock project at the State Fair Junior Show, if selected to do so. Exception: The 4-H member may also be in the State 4-H Public Speaking Contest if selected.
6. The Illinois State Fair, State 4-H office, and local University of Illinois Extension personnel or their assigned agents do not assume liability for loss, theft, or damage to exhibits.
7. Information on awards and honors available to State Fair non-livestock exhibitors will be sent to those who will be exhibiting at State Fair, and are given based on the judges' discretion.
8. The same project that is selected at the county level must be the one exhibited at the State Fair. The exceptions include exhibits in the areas of Food & Nutrition (must be the same recipe), Crops (plant exhibits), Floriculture, and Vegetable Gardening. Modifications can be made to the original county exhibit to incorporate suggested improvements made by the local judge. Determination of exhibit eligibility rests solely with University of Illinois Extension staff.



Dept. L – Livestock

- This section is for showing animals during the Fulton County Fair. For static exhibits at the 4-H General Show, see Dept. AS— Animal Sciences section.
- To register for individual animal classes, see the Fulton County Fair Book for registration details and deadlines. The 4-H Show registration and the County Fair registrations are two separate forms.

- **YQCA—For those enrolled in Beef, Sheep, Swine, and Goat (showing live animals)**

Statewide requirement is that members in these projects must complete YQCA – Youth for the Quality Care of Animals, each year, to be eligible to enter, show, and receive 4-H premiums if available. Training options include: online, yqcaprogram.org (\$12) OR in-person at Extension office, (\$3), see 4-H newsletter for details.

- **QA&E—For those enrolled in Cat, Dog, Horse, Poultry, or Rabbits (showing live animals)**

4-H members are required to complete Quality Assurance and Ethics online training, one time during their 4-H years, if showing a live animal. web.extension.illinois.edu/qaec/

Beef

F4H101 Beef—Exhibit one or more beef animals at the 4-H Beef Show at the County Fair. See livestock rules in this book and in the County Fair Book for further information.

Dairy Goat and Meat Goat

F4H102 Goat—Exhibit one or more goat(s) at the 4-H Goat Show at the County Fair. See livestock rules in this book and in the County Fair book for further information.

Rabbit

F4H103 Rabbit—Exhibit one or more rabbits at the 4-H Rabbit Show at the County Fair. See livestock rules in this book and in the County Fair Book for further information.

Sheep

F4H104 Sheep—Exhibit one or more sheep at the 4-H Sheep Show at the County Fair. See livestock rules in this book and in the County Fair Book for further information.

Poultry

F4H105 Poultry—Exhibit one or more poultry animals at the 4-H Poultry Show at the County Fair. See livestock rules in this book and in the County Fair Book for further information.

Swine

F4H106 Swine—Exhibit one or more swine animals at the 4-H Swine Show at the County Fair. See livestock rules in this book and in the County Fair Book for further information.

Master Showmanship Contest

F4H107 Master Showmanship—Open to ages 14 to 18. 4-Her must provide their own livestock for the contest, either borrowed or owned: beef, sheep, swine. Winner invited to state contest on 8/12/22.





Dept. D – Dog Show

Dog Show Schedule—July 25, 2022 at Fulton County Fairgrounds

9 AM—Dog Care

10:30 AM—Dog Obedience

Non-animal exhibit opportunity – see Animal Science class page 13

Dog Department general rules

1. One premium is paid for the Dog project, regardless of how many show options the member chooses to exhibit in.
2. **QA&E—For those enrolled in Cat, Dog, Horse, Poultry, or Rabbits (showing live animals)**
4-H members are required to complete Quality Assurance and Ethics online training, one time during their 4-H years, if showing a live animal. web.extension.illinois.edu/qaec/
3. Proof of vaccination from your veterinarian must be shown at check in.

Dog Care

F4H201 Dog Care—Exhibit one mature dog, or one puppy at least 10 weeks of age. Exhibitor must be present to answer questions about the dog and its care. 4-H members must have owned this dog or puppy at least 10 weeks prior to the Dog Show. The dog must be in good health, so no diseases are spread. Any female dogs in season on show day may be brought to the Dog Show, but will be judged last. To exhibit a dog poster project, see Animal Sciences class on page 12.

Dog Obedience

Dog Obedience—Exhibit one trained dog, at least 6 month old. Be prepared to go through the exercises requested by the judge. These exercises are listed throughout your project manual and judging sheets are available at the Extension office.

DOG OBEDIENCE RULES

1. Exhibitors are limited to one entry in a class number. The same dog cannot be shown in more than one class number.
2. Exhibitors may exhibit in the same class number as a previous year, as long as they have not achieved a score of 170 or above in the class the year before. If so, they must move up to the next class number.
3. A dog being shown in the dog obedience project must be trained and belong to the exhibitor or to a member of his/her immediate family, or leased for the length of the project with a signed agreement.
4. All dogs must be brought to the show on a six-foot leather, nylon, or canvas leash.
5. AKC rules will be used for judging. However, dogs do not have to be AKC registered.
6. No spike collars or tags hanging from the collar will be allowed.
7. If there is a tie for total score, Best of Show will be decided by the judge.
8. Dogs must be under the exhibitor's supervision AND CONTROL at all times.
9. Special problems not covered by these rules will be acted upon by the Superintendent.
10. Female dogs in season can exhibit at the county show, but they must be the last to enter the show ring. They cannot exhibit at the State Show.
11. Dogs must have a qualifying score to be a State 4-H Dog Show delegate.
12. 4-H members who want to be considered in the County Fair placings (1st, 2nd, 3rd, 4th, etc.), should complete that entry form and submit it with payment to the Fair by the County Fair entry deadline.

OBEDIENCE CLASS DIVISIONS

F4H202 Beginner Novice I— (Dog **and** handler have no experience)

F4H203 Beginner Novice II— (Dog **or** handler has had one year of experience)

F4H204 Preferred-Novice— (Dog **and** handler have had more than one year of experience)

F4H205—Novice

F4H206—Graduate Novice

F4H207—Showmanship - Exhibitors judged on handling skill, knowledge of breed standards of their dog, dog show terminology and elementary dog anatomy. The judge has the right to question exhibitors in one or all of these areas. Dogs will be judged on cleanliness, general health, and grooming.

Dept. H— Official 4-H Horse & Pony Show

Horse Show Schedule: August 6, 2022, 9 AM, Fulton County Fairgrounds

Horse Lease/Ownership papers due to Extension office: May 1, 2022

4-H Horse Show Rules

1. The Fulton County 4-H Horse Show is open to Fulton 4-H members enrolled in a Horse project.
2. Horse must have proof of a negative Coggins (Equine Infectious Anemia) test. Health papers will be checked as the exhibitors check in. All Illinois horses more than 12 months of age participating in advertised equine events are required to have a negative test for EIA within the last 12 months.
3. Horse exhibitors are required to complete Quality Assurance and Ethics online training, one time during their 4-H years, if showing a live animal. web.extension.illinois.edu/qaec/
4. Exhibitors are judged on ability, rather than on personal attire. However, clothing must be clean and neat. Western exhibitors shall wear a western hat or helmet, cowboy boots, and a western shirt or blouse, preferably with long sleeves; and chaps are optional. English exhibitors show in full attire or appointments (white shirt, denim pants, and boots). English halters are required in English classes.
5. All 4-H members are required to wear a properly fitted and fastened ASTM or SEI standard F1163 (or above) certified equestrian helmet whenever mounted or driving at all 4-H horse and pony events, shows, activities, or practices (adults encouraged also), including Costume Class. Original tags must be present in all approved helmets.
6. Horse Show registrations are included on 4-H Show Registration form – due July 1. Contact the Extension office prior to the Horse Show if class changes need to be made after you have turned in your registration.
7. If funded by the state, 4-H premiums will be paid at the rate of one premium per member enrolled in a horse project. Rating ribbons will be awarded to all class participants.
8. No stallions born before January 1 of the preceding year will be permitted at the show.
9. Mature animals entered in horse classes must measure 56".
10. Riders' ages are determined as of September 1 of the current 4-H year.
11. Foals shall have been born after January 1 of the 4-H year.
12. Yearlings shall have been born between January 1 and December 31 of the preceding year.
13. No stall fees. Animals will be shown from truck or trailer.
14. Each exhibitor will be responsible for his/her horse.
15. Any animal kicking or being unmanageable can be excused from the arena by the judge.
16. No horse or pony can be ridden twice in the same class. No double entries.
17. Horse or pony to show according to their breed standard.
18. Judge's decisions are final. Any questions about judge's decisions should go through Superintendents.
19. An exhibitor can show once per class. Also, the same exhibitor who is in a Walk-Trot class cannot also be in a Western or English Pleasure or Junior/Senior Horsemanship class. Rider must not lope or canter in ANY classes if in the first or second year Walk-Trot class.
20. Pony measurements may be verified by Horse Superintendents.
21. Spurs and whips are optional but if used must not be used forward of the cinch. Excessive use of spurs or whips will cause dismissal of the exhibitor by the judge.
22. Barrel Race classes knocked over barrel penalties: one = 5 second penalty. Two = 10 second penalty. Three = disqualification. The contestant may touch the barrels with foot or hands while competing in this event. Failure to follow the course will be cause for disqualification by the judge.
23. Pole Bending : One over is a 5 second penalty; two over is another 5 second penalty, and three or more over is a disqualification by the judge, but ticking a keg carries no penalty.
24. Bats may be used in both Barrels and Pole Bending, but only behind the cinch. Use forward of the since or slapping with hands is cause for disqualification.
25. No adults will be allowed in the show ring while a pony or horse is being judged, unless there are special circumstances/needs. Reasonable accommodations can be made through the Extension office prior to the show. Adults will be able to hold foals or mares while the opposite is being shown.
26. Any exception to the Ownership/Lease forms must be approved by the 4-H Horse Superintendent.
27. Horse class exhibitor age classifications, as of Sept. 1 of 4-H year: Juniors, 8—13; Seniors, 14—18.
28. Classes may be combined if entries are low, but will be judged separately for points.
29. Only exhibitors will be allowed to go through the Trail Course, one time. No one is allowed on Trail Course, with exception of exhibitor being judge.

Horse Show Class List

HALTER CLASSES—Horse can only be shown in one halter class.

F4H301— Miniature Horse Halter

F4H302— Western Horse Halter, Stock Type

F4H303— Color Breed Halter -- Includes Paints, Palominos, Buckskins, Appaloosas, Duns, etc.

F4H304— English Horse Halter, Non-Stock Type, Light Breeds Only -- See rule 4

F4H305— Two-year-old and Under Halter Horse

GRAND CHAMPION HALTER HORSE

RESERVE GRAND CHAMPION HALTER HORSE

The first place blue-rated winners from classes 1 through 5 are to be brought into the ring to be judged for Grand Champion. Once the Grand Champion is selected, the second place blue-rated horse from the class that the Champion placed first in will be brought into the ring to be judged against the class for Reserve Grand Champion.

F4H306— Pony Halter, under 52"

F4H307— Pony Halter, 52" and under 56"

F4H308— Two-year-old and under Halter Pony (Pony cannot show in classes 6 or 7)

GRAND CHAMPION HALTER PONY

RESERVE GRAND CHAMPION HALTER PONY

The first place blue-rated winners from classes 6 through 8 are to be brought into the ring to be judged for Grand Champion. Once the Grand Champion is selected, the second place blue-rated pony from the class that the Champion placed first in will be brought into the ring to be judged against the class for Reserve Grand Champion.

F4H309— Senior Showmanship, Halter, Horse or Pony

F4H310— Junior Showmanship, Halter, Horse or Pony

HORSMANSHIP CLASSES—Horsemanship (Equitation) is the art of riding a horse intelligently, gracefully, and with the greatest degree of comfort and enjoyment to both horse and rider. A pattern may be asked for, at the judge's discretion.

F4H311— Senior Horsemanship, Horse or Pony, Western or English see rule 19

F4H312— Junior Horsemanship, Horse or Pony, Western or English see rule 19

F4H313— English Pleasure, Horse or Pony see rule 19

F4H314— Pleasure Driving -- Two-Wheeled Cart, Horse or Pony

F4H315— Costume, Horse or Pony, Junior Rider Can lead in or ride in.

F4H316— Costume, Horse or Pony, Senior Rider Can lead in or ride in.

F4H317— Walk-Trot Pony—first or second year 4-H Horse project member; see rule 19

F4H318— Walk-Trot Horse—first or second year 4-H Horse project member; see rule 19

F4H319— Western Pleasure Pony, Junior Rider see rule 19

F4H320— Western Pleasure Pony, Senior Rider see rule 19

F4H321— Western Pleasure Horse, Junior Rider see rule 19

F4H322— Western Pleasure Horse, Senior Rider see rule 19

F4H323— Trail Class, Horse or Pony, Senior Rider

F4H324— Trail Class, Horse or Pony, Junior Rider

F4H325— Boot Races, Horse

F4H326— Boot Races, Pony

F4H327— Pole Bending, Horse

F4H328— Pole Bending, Pony

F4H329— Barrel Racing, Horse

F4H330— Barrel Racing, Pony

F4H331— Plug Race, Horse

F4H332— Plug Race, Pony

GRAND AND RESERVE GRAND CHAMPION
PERFORMANCE PONY

GRAND AND RESERVE GRAND CHAMPION
PERFORMANCE HORSE

(Points accumulated from classes 13, 14, and 17 through 32)

HIGH POINT JUNIOR EXHIBITOR

HIGH POINT SENIOR EXHIBITOR

(Points accumulated from classes 1 through 32)

See page 14 For non-horse exhibit opportunity.



Dept. AS— Animal Science

For youth enrolled in Beef, Cat, Dairy Cattle, Dog, Horse, Goat, Rabbits, Poultry, Sheep, Small Pets 1, Small Pets 2, Small Pets 3, Guinea Pigs, Swine

Animal Science—Prepare a display focusing on any activity related to an animal project. Demonstrate the skills and knowledge you have gained through the animal project you studied. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Equipment and internet are not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles, or any other sharp objects.

SF 50135A Animal Science 1—For youth enrolled in this project 1-2 years.

SF 50135B Animal Science 2— For youth enrolled in this project 3 or more years.

SF 50137 Animal Science Ready4Life Challenge— Ages 11- to 18, enrolled in any animal project. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Veterinary Science 1, 2, and 3

SF 50320 Veterinary Science 1 / Veterinary Science 2 / SF 50320 Veterinary Science 3 (*Note level on registration form.*) - Prepare a display focusing on any activity related to the project. The exhibit may include, but is not limited to, poster displays, digital presentations (bring your own equipment), programs, websites, games, apps, etc., which you have made. You must furnish any equipment you need for your exhibit. Internet service will not be provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time, and will not remain on display during the entire exhibit period. Be prepared to discuss the display with the judge. Live animals are not permitted as exhibits in this area. For safety reasons, exhibits cannot include glass, syringes with needles, or any other sharp objects.

SF 50322 Veterinary Science Ready 4 Life Challenge— Ages 11 to 18. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.



Dept. PS— Plants and Soils

Crops and Soils

- All crops exhibited must have been grown and cared for by the exhibitor a part of his/her current 4-H crops project.
- Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ go.illinois.edu/4Hcroprecord, an FFA crops record, or similar information.

SF 50171 Corn—Choose one of the following to exhibit: Exhibit two fresh plants of field corn, representative of member's 4-H project field (include root system that is washed). OR Display of experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. If you wish to show popcorn or sweet corn, you should be enrolled in the Vegetable Gardening project area.

SF 50172 Small Grains—Choose one of the following to exhibit: Exhibit one gallon of small grain (oats, wheat, rye, or barley) from the current year's crop that is representative of the member's 4-H project field. OR Display of experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding.

SF 50170 Soybeans—Choose one of the following to exhibit: Exhibit five fresh soybean plants, representative of member's 4-H project field (include root system that is washed). OR Display of experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding.

SF 50175 Crops Ready 4 Life Challenge—(Open to those age 11 to 18 as of 9/1/21 enrolled in any Crops project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

SF 50173 Crops Innovation Class—(Open to youth enrolled in any Crops project) Demonstrate the skills and knowledge you have gained through the Crops project. This could be related to, but not limited to crop production, crop utilization, or topics of interest to the member related to agronomy. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.



Floriculture

- For the each level's "*Exhibit of member's choice*," you must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50192 Floriculture A—Exhibit **one** of the following: 1) A *fresh flower arrangement*, either a round arrangement or a bud vase that you created. No silk flowers are permitted. OR 2) A *photo collage* or a collection of pictures of flowers that you have raised. Label your flowers by name, and tell if you started with a seed, cutting, or transplants. Mount pictures on a poster board. OR 3) *3 stems of blooms*, in one container -- each with attached foliage. Foliage that would go inside the container may be removed. All three blooms or stems are to be the same variety, color, shape, and size. Must have been grown from seed, young seedling plants, bulbs, or rhizomes by exhibitor. (NOTE: Exhibitors choosing lilies should include no more than 2/3 of foliage for their exhibit.) OR 4) *Exhibit of member's choice* that focuses on some aspect of floriculture which does not fit in the categories above. The exhibit may include, but isn't limited to, dish gardens, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned.

SF 50193 Floriculture B—Exhibit **one** of the following options: 1) A *mixed planter*, may include herbs with foliage plants and/or flowering plants. The planter should include three or more kinds of plants. The container exhibit space must not exceed 18" x 18". OR 2) An *artistic display* of dried flowers and/or herbs, explaining how each was dried. OR 3) A *photo collage* or collection of pictures of plants from your theme garden. Label your plants by name, and explain how the plants were chosen to fit the theme. OR 4) An artistic *fairy garden* of plants, flowers and/or herbs. Explain the process used to prepare your fairy garden. Label your plants by name and explain how the plants were chosen to fit the theme. OR 5) *Exhibit of member's choice* that focuses on some aspect of floriculture which does not fit in the categories above. The exhibit may include, but isn't limited to, dish gardens, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned.

SF 50194 Floriculture C—Exhibit **one** of the following options: 1) *Terrarium*. Selected plants should be started by the exhibitor from cuttings or seeds or as purchased plugs. The terrarium must be cared for by the exhibitor for at least five months. The exhibitor should be able to explain the different plant, soil, and environmental needs and watering requirements of a closed system. OR 2) Exhibit a *plant that you propagated* from cutting, layering or division, or started from seed. Create a photo board showing the progression of growth. Tips for vegetative propagation of houseplants can be found at University of Illinois Extension Gardener's Corner go.illinois.edu/gardenerscorner. OR 3) *Exhibit of the member's choice* that focuses on some aspect of floriculture which does not fit in the categories above. The exhibit may include, but isn't limited to, dish gardens, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned.

SF 50195 Floriculture D—Exhibit **one** of the following options: 1) *Themed centerpiece* such as a wedding, holiday, birthday, etc. No silk flowers permitted. OR 2) An exhibit of *forced bulbs* in a pot. OR 3) An *exhibit of the member's choice* that focuses on some aspect of floriculture which does not fit in the categories above. The exhibit may include, but isn't limited to, dish gardens, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned.

SF 50196 Floriculture Display—Present an exhibit of the member's choice that focuses on some aspect of floriculture which does not fit in the categories above. The exhibit may include, but isn't limited to, dish gardens, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50198 Floriculture Ready 4 Life Challenge—(Open to those age 11 to 18 as of 9/1/21 enrolled in any Floriculture project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Horticulture – Vegetable Gardening

- All exhibits must have been grown by the exhibitor as part of their current gardening 4-H project. Exhibitors should be knowledgeable about various aspects of the produce, including but not limited to different varieties, soil testing, fertilizers used, etc. Exhibits should be prepared according to the Illinois Vegetable Garden Guide website: web.extension.illinois.edu/vegguide/. Waxes and oils may not be used on vegetables or fruits. Any plant infested with insects will be removed from the exhibit area and will not be eligible for Best of Show or State Fair selection.
- Vegetable Gardening A, B, C, and D—If you are enrolled in any of the Vegetable Gardening projects, you may exhibit any or all of the following requirements. One premium is paid per member in the Vegetable Gardening project, but you may exhibit in more than one category for the opportunity for Best of Show or State Fair selection.

SF 50313 Herb Display—Herbs should be grown in pots, 8" max. diameter, with 4 or more kinds and there may not be more than 2 varieties of any one kind of herb. Categories: Mint (ex. chocolate and peppermint are varieties), Oregano, Rosemary, Sage, Thyme, and all other herbs. Herbs should be labeled with common and Latin names and special care taken that each distinct variety is clearly visible. Herbs should be in your care for a minimum of three months before exhibit date. Remove dead leaves from plants and check that the soil is clear of debris such as dead leaves. Be sure to grow the plants in the container to be displayed to avoid transplant shock. Exhibits evaluated based on cleanliness, uniformity, condition, quality, and trueness to variety.

SF 50314 Vegetable/Fruit Display (in basket or other container) - This class is allowed a 2'6" x 2'6" space for display. Display must include 6 or more different kinds of vegetables or fruits. There may not be more than 2 different varieties of any vegetable/fruit. For example, red and white potatoes would be classified as two different varieties. Acorn squash and zucchini would be classified as two different vegetables. See Vegetable and Fruit Plate/Display lists for number and type of vegetables/fruits to display. Exhibitors must provide the name and variety of all vegetables/fruits used. (ex. Cabbage – Golden Acre; Cucumber, slicing – Straight Eight; Tomatoes, slicing – Rocky Top; Snap Beans – Contender)

SF 50315 Vegetable Plate Exhibit—Two single vegetable plates, on disposable plates. Number of vegetables on plates must conform to Vegetable Plate/Basket list on next page. Only one variety on each plate. An exhibitor cannot show two plates of the same type vegetable such as two plates of red and white potatoes, or zucchini and straightneck summer squash.

SF 50316 Vegetable Gardening Display—You may exhibit any type of horticulture display, experimental or educational, related to the project. This may be a poster or other type of display, including digital. If you choose to present a digital exhibit that focuses on some aspect of horticulture, you must furnish any equipment needed. Internet not provided. Exhibit must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time, and will not remain on display.

SF 50317 Fruit Plate—Two single fruit plates, on disposable plates. Number of fruits on plates must conform to plate list below. Only one variety on each plate. An exhibitor cannot show two plates of the same type fruit, such as two plates of Gala & Jonathan apples, or Mazzard & Gisela cherries.

SF 50318 Vegetable Gardening Ready 4 Life Challenge—(Open to ages 11 to 18 as of 9/1/21 enrolled in any Vegetable Gardening project.) Exhibits must include: a) physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

FRUIT PLATE LIST

Fruit will be judged using the same general criteria used for vegetables. Fruit will be judged for the stage of maturity normal for that season and growing location. Emphasis will be placed on how well fruit approaches market quality. When selecting fruits for exhibition, keep in mind that the judge will evaluate them on the basis of cleanliness, uniformity, condition, quality, and trueness to variety. (Lists are provided by U of I Extension horticulturists; Items are listed according to the correct definition of fruit varieties at web.extension.illinois.edu/fruit/)

- Strawberries (Everbearers) – 1 pint
- Grapes – 2 bunches
- Apples – 5
- Pears – 5
- Wild Plums – 1 pint
- Other Small Fruit or Berries (Do not duplicate entries from the above fruits) – 1 pint
- Other Fruits or Nuts (Do not duplicate entries from the above fruits) – 5

VEGETABLE PLATE/DISPLAY LIST

When selecting vegetables for exhibition, keep in mind that the judge will evaluate them on the basis of cleanliness, uniformity, condition, quality, and trueness to variety. (Lists are provided by UI Extension Horticulturists; Items are listed according to the correct definition of vegetables.)

- | | |
|--|--|
| • Asparagus (5 spears) | • Parsnips (5) |
| • Beans, Lima (12 pods) | • Peas (12 pods) |
| • Beets (5) | • Peppers, large fruited (bell/banana) (5) |
| • Broccoli (1 head) | • Peppers, small fruited(chili/cherry)(12) |
| • Brussels Sprouts (12 sprouts) | • Popcorn (5) |
| • Cabbage (1 head) | • Potatoes (any variety) (5) |
| • Cauliflower (1 head) | • Pumpkin (1) |
| • Carrots (5) | • Rhubarb, trimmed stalks (3) |
| • Cucumber, pickling or slicing (5) | • Rutabaga (5) |
| • Eggplant (1) | • Salsify (5) |
| • Garlic (5) | • Squash, summer (any variety) (3) |
| • Kohlrabi (5) | • Sweet Corn, in husks (5) |
| • Lettuce (1 head or plant) | • Tomatoes, slicing (5) |
| • Muskmelon incl. cantaloupe (1) | • Tomatoes, small fruited (12) |
| • Okra (12) | • Turnip (5) |
| • Onions, large, dry (5) | • Watermelon (1) |
| • Onions, green or set (12) | |
| • Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turks's Turban) (1) | |
| • Beans, Snap, Green Pod, or Golden Wax (12 pods) | |
| • Greens (collard, endive, escarole, kale, mustard, spinach, Swiss chard) (1 plant) | |
| • Horseradish Root (1 marketable root specimen harvested this year) | |

Plant and Soil Science

F4H401 Plants & Soils 1, It's More Than Just Dirt—Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of environmental and internal factors that affect plant growth and the function and characteristics of soil. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

F4H402 Plants & Soils 2, Stems and Stamens—Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of the composition of plants, the functions of individual plant parts, plant life cycles, and the many ways plants reproduce. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

F4H403 Plants & Soils 3, Sprouting Out and Growing Up— Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of the relationship between soil and other cycles found in nature. Displays should also provide an example of a leadership or service-learning experience focused on environmental stewardship. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

SF 50280 Cover Crops—Exhibit an experimental or educational activity related to one experience from your project; OR prepare a display focusing on any activity related to the cover crops project. This could be related, but not limited, to plant growth & development, cover crop benefits, land management, sustainability, or other topics of interest to the member related to cover crops. A cover crop might include any plant that is sown in between primary production crops for the benefit of overall farm health rather than crop yield (examples: pennycress, clover, radish, annual ryegrass, etc.). The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display.



Dept. CG—Community Involvement and Global Awareness

Civic Engagement (formerly called Citizenship)

SF 50145 Civic Engagement 1—Exhibit a display illustrating one of the following options: 1) personal information about yourself – who you are, things you like to do, things you are good at, your favorites; 2) your feelings and how you handle them; 3) your family, their responsibilities, how you work together; OR 4) the Family Pedigree that may include family group pages. Exhibits limited to 2'6" wide x 15" deep.

SF 50146 Civic Engagement 2—Exhibit a display illustrating one of the following options: 1) your neighborhood; 2) how you were a good neighbor or led a service project for your community; OR 3) a Citizenship Challenge that you helped organize and lead (see the project book for details). Exhibits limited to 2'6" wide x 15" deep.

SF 50147 Civic Engagement 3—Exhibit a display illustrating one of the activities that you completed within your project, as it relates to one of the following categories in the manual: 1) Government; 2) Business and Industry; 3) Transportation, Communication, & Utilities; 4) Culture & Heritage; 5) Natural Resources & Environment; 6) Education; 7) Organizations within your community; 8) Tourism; OR 9) Support Systems within your community. Exhibits limited to 2'6" wide x 15" deep.

SF 50149 Civic Engagement Ready 4 Life Challenge: (Open to those age 11 to 18 as of 9/1/21 enrolled in any Citizenship project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Service Learning

F4H404 Service Learning 1, 2, or 3 – Exhibit a binder portfolio to reflect what you accomplished in the four steps of service learning. If you have been enrolled in a Service Learning project for multiple years, the binder portfolio should include previous years' work. Use of page protectors is recommended.

Exploratory

F4H405 Welcome To 4-H—(ages 8 to 10) Exhibit a display on one of the following topics from the project book: windowsill gardening; 4-H animals; 4-H family; OR coat of arms.

F4H406 Collectibles—Bring your completed project book and your collection or examples of your collection (if it's too large to bring) with pictures of total collection, OR an exhibit or poster illustrating one feature of the project.

Intercultural

SF 50233 4-H Passport To the World—Prepare a display illustrating country's or U.S. region's geography, economy, agriculture, people, language, housing, culture, music, crafts, clothing, holidays, etc. Exhibit should be educational in nature. The exhibit may include, but isn't limited to, objects, digital presentations, programs, websites, games, apps, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your judging time, and will not remain on display. Include the project manual with completed sections that pertain to the exhibit information. Exhibits are limited to 2' 6" wide x 15" deep.

SF 50234 Diversity and Cultural Awareness—Create a display or binder portfolio that illustrates a minimum of 3 completed activities from the project book. Exhibits limited to 2' 6" wide x 15" deep.

SF 50236 Intercultural Ready 4 Life Challenge—(Open to those age 11 to 18 as of 9/1/21) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this

Dept. ENR—Environment and Natural Resources

Beekeeping

- No bee hives may be exhibited.
- Honey moisture content will be measured.
- Fill level: the honey should be filled to the jar shoulder, not over, nor under.
- Display chunk honey in a wide-mouth jar, specially made for chunk honey (see Beekeeping catalogs). Be careful to distinguish “chunk honey” (comb in jar) from “cut comb” (comb only in plastic box).
- Honey exhibited must be collected since the previous year’s show.

SF 50188 Beekeeping 1—Exhibit educational display for **one** of the following: 1) Flowers used to make honey. Display pressed flowers from 10 different Illinois plants that bees use to make honey; 2) Uses of honey and beeswax; 3) Bee hive set up; 4) Safe handling of bees; 5) Equipment needed by a beekeeper.

SF 50189 Beekeeping 2—Exhibit **one** of the following: 1) Extracted honey: three 1# jars, shown in glass, screw-top jars holding 1# of honey each; 2) Chunk honey (comb in jar): three 1# jars (wide-mouth glass jars); 3) Cut-comb honey: three 1# boxes (boxes are usually 4 ½" x 4 ½"); 4) Section honey: three sections of comb honey (in basswood boxes or Ross rounds); 5) Educational display that teaches the public about a topic from your manual related to working with honey bees.

SF 50190 Beekeeping 3—Exhibit three of the five kinds of honey listed below (#1-5) OR prepare an educational display about honey bees or beekeeping. *Kinds of honey:* 1) Extracted Honey: Three 1# jars (glass); 2) Chunk Honey (comb in a jar): Three (3) 1# jars (wide-mouth glass); 3) Cut-comb Honey: Three 1# boxes (boxes are usually 4 ½" x 4 ½" in size); 4) Comb Honey- 3 sections (honey built by bees in frames of wood commonly called “sections” (boxes are usually 4 ½" x 4 ½" in size); 5) Section honey: Three sections of comb honey (in basswood boxes or Ross rounds)

SF 50191 Beekeeping Ready 4 Life Challenge—(Open to those age 11 to 18 as of 9/1/21 enrolled in any Beekeeping project) Exhibits includes the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Entomology

- Include appropriate level project manual, attached to case, with at least one completed activity for each year enrolled. Be prepared to discuss skills learned.
- Size and number of exhibit cases should relate appropriately to the number of insects being displayed. Cases should be no deeper than 4" and may be placed UPRIGHT for display. To ensure adequate display space, you may bring your own table if you wish.
- 4-H members expanding on a past collection MUST add new insects each year. The exact same collection from a past year cannot be shown.

SF 50183 Entomology 1—Exhibit 15 or more species representing 4 or more orders, accurately labeled.

SF 50184 Entomology 2—Exhibit 30 or more species representing 8 or more orders, accurately labeled.

SF 50185 Entomology 3—Exhibit 60 or more species representing 12 or more orders, accurately labeled.

SF 50186 Entomology Display—(Open to youth enrolled in Entomology 1, 2, or 3) Exhibit any activity or display related to Entomology that does not fit into Entomology 1, 2, 3 classes. The exhibit may include, but not limited to, original works, objects, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Equipment and internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your judging time and will not remain on display.

SF 50187 Entomology Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Entomology project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Exploring Your Environment

- Include your project manual that documents activity recordkeeping, your answers to activity questions, and details the exhibitor's thoughts and ideas.

F4H407 Exploring Your Environment 1, Ecosystem Services - Prepare a display or poster that illustrates an activity from the project manual. It should demonstrate an understanding of natural and/or manmade environments, how humans affect the environment, or how the environment affects our lives.

F4H408 Exploring Your Environment 2, Earth's Capacity - Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of one of the following: stewardship of natural resources, investigating greenhouse effects on living organisms, methods of reducing or managing waste in your home or community, or calculating your ecological footprint.

Forestry

- Equipment and internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time, and will not remain on display during the entire exhibit period. Be prepared to discuss the display with the judge.

SF 50212 Forests of Fun 1, Follow the Path—Exhibit any product or display illustrating an activity from the book. The exhibit may include, but is not limited to, poster displays, digital presentations (bring your own equipment), programs, websites, games, apps, etc., which you have made.

SF 50213 Forests of Fun 2, Reach For the Canopy—Exhibit any product or display illustrating an activity from the book. The exhibit may include, but is not limited to, poster displays, digital presentations (bring your own equipment), programs, websites, games, apps, etc., which you have made.

SF 50214 Forests Of Fun 3, Explore the Deep Woods— Exhibit any product or display illustrating an activity from the book. The exhibit may include, but is not limited to, poster displays, digital presentations (bring your own equipment), programs, websites, games, apps, etc., which you have made.

SF 50216 Forestry Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Forestry project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Weather

SF 50392 Weather 1

SF 50393 Weather 2

SF 50394 Weather 3

Exhibit any product or display illustrating an activity from the appropriate project manual. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Equipment and internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display.

SF 50395 Weather Ready 4 Life Challenge— (Open to 11 to 18 year-olds enrolled in any Weather and Climate project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Geology

- Size and number of exhibit cases should relate appropriately to the number of specimens being displayed for a specified class. Specimens are not limited to Illinois locations. All levels of Geology use the same manual, Geology-Introduction to the Study of the Earth.
- Collection may include duplications that show variations. Label collection and note where found.
- If possible, items should be fastened to the display box. Judging will be on the display, not the box.

SF 50218 Pebble Pups 1—Display 8 to 19 rocks or mineral specimens, with 3 minerals in the collection.

SF 50219 Pebble Pups 2—Display 20 to 29 rocks or mineral specimens, with 7 minerals in the collection.

SF 50220 Rock Hounds 1—Display 30 to 40 rocks or mineral specimens, with 10 minerals in the collection. Rocks should include at least 3 igneous, 2 metamorphic, and 3 sedimentary groups. Exhibitor should be able to discuss various aspects of geology with the judge.

SF 50221 Rock Hounds 2—This level is for those who have successfully completed the other Geology show requirements. Display no more than 50 specimens that have been selected to illustrate a specific theme of the exhibitor's choosing. Be creative. Sample categories could include (but are not limited to): industrial minerals and their uses; a specific rock group and the variety that occurs in that group, including some minerals that occur in that environment; select fossils traced through the geologic ages; minerals and their crystal habits; rocks and minerals used in the lapidary arts. Discuss theme and choice of specimens related to the theme with the judge.

SF 50222 Geology Innovation Class— Open to youth enrolled in Geology. Demonstrate the skills and knowledge you have gained through the Geology project. Exhibit may be the result of knowledge gained from project manuals; independent study about Illinois rock(s) and mineral(s), interaction with geology professionals; and/or individual exploration in the area of geology. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. Equipment and internet are not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your judging time and will not remain on display.

SF 50224 Geology Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in the Geology project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Sportfishing

- For safety, lures must be placed in a plastic case.
- No live animals are allowed in this exhibit.

SF 50260 Sportfishing 1—Exhibit a product or display made to complete an activity in the Take the Bait project manual. This could include, but is not limited to, displays on: different types of fishing tackle; identifying different baits and their uses (no actual bait, please); or identifying the anatomy of a fish.

SF 50261 Sportfishing 2—Exhibit a product or display made to complete an activity in the Reel in the Fun project manual. This could include, but is not limited to, displays on: different types of knots or rigs and their use; a collection of fishing lures, labeled with their use; or information on preparing and cooking fish (not recipes).

SF 50262 Sportfishing 3—Exhibit a product or display made to complete an activity in the Cast into the Future project manual. This could include, but is not limited to, displays on: making artificial flies and lures; researching effects of water temperature; sportfishing careers; or identifying insects that fish eat.

Natural Resources and Outdoor Adventures and Wildlife

- Exhibit any item or display developed from the project book from the specific unit. Be able to explain the importance of and concept behind the project exhibit.
- Electricity and water are NOT available for these displays.
- No live animals are allowed in the exhibits of any classes at the general show.

SF 50256 Natural Resources 1—Step Into Nature

SF 50257 Natural Resources 2—Explore the Natural World

SF 50258 Natural Resources 3—Blaze the Trail

SF 50259 Outdoor Adventures 1, 2 or 3

SF 50266 Wildlife 1

SF 50263 Wildlife 2

SF 50265 Wildlife 3

SF 50264 Fish and Wildlife Innovation Class—Open to youth enrolled in any Sportfishing or Wildlife project. Demonstrate the skills and knowledge you have gained through your Sportsfishing or Wildlife project. Exhibit may be the result of knowledge gained from project manuals; independent study, interaction with natural resource or conservation professionals. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. Equipment and internet are not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display.

SF 50291 Fishing & Wildlife Ready4Life Challenge—(Open to 11- to 18-year-olds enrolled in any Fishing or Wildlife project.) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

SF 50267 Natural Resources Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Natural Resources project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

SF 50278 Natural Resources or Outdoor Adventures Innovation Class— Open to youth enrolled in any Natural Resources or Outdoor Adventures project. Demonstrate the skills and knowledge you have gained through your project. Exhibit may be the result of knowledge gained from project manuals; independent study, interaction with natural resource or conservation professionals. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

4-H Shooting Sports

F4H409 Participants in the 4-H Shooting Sports program are given 4-H ratings based on their participation in the program and their achievements as recorded at the end of the session. *Please enter this class number on your Show Registration form to help us with our data entry.*

Dept. F—Food, Nutrition, and Health

Food and Nutrition

4-H Cooking 101 Using the recipes included in the project manual, prepare an exhibit for **one** of the Cooking 101 classes below. No icing should be on any products. If you make changes to the recipe, bring a copy of the recipe with your changes. Bars, coffeecake, or cookies should be displayed on a disposable plate placed in a zip-sealing plastic bag. In addition to your food exhibit, complete the What's on Your Plate? activity on pages 10-11 in the 4-H Cooking 101 project manual. Bring a document with printed pictures of your 3 or more plates and the answers to questions 1-7 to remain on display with your project. The words on the plates must be legible and clearly visible in the picture. Pictures, graphics or photos are acceptable.

SF 50200A Cooking 101 Cereal Bars— 3 cereal marshmallow bars

SF 50200B Cooking 101 Coffeecake— ¼ of 8" square or round coffeecake

SF 50200C Cooking 101 Cookies— 3 cookies

4-H Cooking 201 Using the recipes included in the project manual, prepare an exhibit for **one** of the Cooking 201 classes below. If you make changes to the recipe, bring a copy of the recipe with your changes. Bread, muffins, or scones should be displayed on a disposable plate placed in a zip-sealing plastic bag. In addition to your food exhibit, complete Experiment with Meal Planning activity on page 91 in the 4-H Cooking 201 project manual. Bring either page 91 with your completed answers or a document with the answers to remain on display with your project along with a picture of the meal you prepared. You do not need to complete the Challenge Yourself section on page 91.

SF 50201A Cooking 201 Muffins—3 cheese muffins

SF 50201B Cooking 201 Scones—3 scones

SF 50201C Cooking 201 Nut Bread— ½ loaf (9" x 5") of basic nut bread

4-H Cooking 301 Using the recipes included in the project manual, prepare an exhibit for one of the classes below. If icing is used on the tea ring or sweet rolls, the recipe for the icing must also come from the book. The yeast bread/roll dough may be prepared in a bread making machine; however prepared mixes are not permitted. If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag. In addition to your food exhibit, complete one of the six experiments: Experiment with Flour p. 33-34, Experiment with Kneading p. 35-36, Experiment with Yeast p. 37-38 or 39, Experiment with Butter p. 62-63 or Experiment with Cheese p. 104-105. Bring a document with a printed picture of your experiment and the answers to the experiment questions to remain on display with your project.

SF 50202A Cooking 301 Dinner Rolls— 3 dinner rolls

SF 50202B Cooking 301 Yeast Bread— loaf of yeast bread

SF 50202C Cooking 301 Tea Ring— 1 tea ring

SF 50202D Cooking 301 Sweet Rolls—3 sweet rolls

SF 50202E Cooking 301 Cake— one layer of a rich white cake or rich chocolate cake, top side up (without frosting)

4-H Cooking 401 Using the recipes included in the project manual, prepare an exhibit for one of the classes below. If you make changes to the recipe, bring a copy of the recipe with your changes. Display exhibit on a disposable plate and place in a zip-sealing plastic bag. In addition to your food exhibit, pick one of the recipes from Cooking 401 that is not a choice for exhibit. Make the recipe and take a picture of the results. Bring a document with a printed picture of the food you made from the recipe and the answers to the following two questions: 1.) If you made this recipe again, what would you do differently? 2.) What did you learn that can help you in other ways besides preparing food?

SF 50203A Cooking 401 Focaccia Bread— ¼ of a 15" x 10" loaf of focaccia bread (do not include dipping oil)

SF 50203B Cooking 401 Pie Shell— one baked pie shell – traditional, oil, or whole wheat (no graham cracker)

SF 50203C Cooking 401 Sponge Cake—¼ golden sponge cake, top side up, without frosting

SF 50203D Cooking 401 French Bread— ½ loaf French bread

SF 50204 Food Science 1-4—Prepare a display, digital presentation, or poster on one of the food science experiments from the manual that you completed. Share 1) the food science question you investigated; 2) process used to conduct the experiment; 3) results and observations; 4) what you learned; and 5) how you have applied this information. You must furnish any equipment you need for the exhibit. Internet service is not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time and will not remain on display.

SF 50206 Sports Nutrition—Prepare a display, digital presentation, or poster on one of the activity chapters, see table of contents, in the manual that you completed. Your exhibit should include, at minimum, information on one physical fitness component and one food/recipe component from the activity chapter. The exhibit should include the project manual with the pages of the activity completed. You may also include live demonstration of physical activities. Do not bring food made using the recipes, but consider adding pictures of the completed recipes to your exhibit. Equipment and internet are not provided. All exhibits must include something visual, such as a printed copy of a digital presentation. Electronic equipment will only be used during your judging time, and will not remain on display.

Food Preservation

- All food preservation exhibits must be labeled with: 1) The name of the food; 2) The date preserved; 3) Appropriate method(s) of food preservation (For canned projects: boiling water bath or pressure canner; For drying projects: Specify equipment used (food dehydrator, oven, etc.) Ex. 1: Strawberry jam, boiling water bath. July 13, 2021. Ex. 2: Green beans, pressure canner. July 13, 2021. Ex. 3: Beef jerky, food dehydrator and oven. July 13, 2021.
- All food preservation exhibits must be accompanied with the recipe(s) – typed or written, with the source of the recipe(s) listed. Required recipes and sources for food preservation exhibits – all food preservation recipes must be from an approved source. Those sources are: PUT IT UP! Food Preservation for Youth manuals, U.S. Department of Agriculture (USDA), National Center for Home Food Preservation, Ball/Kerr Canning (recipes after 1985), Mrs. Wages
- DO NOT BRING RECIPES FROM: Magazine or newspaper clippings, Pinterest (unless it is from a source listed above), grandmas or a recipe from a family member or friend without a source, cookbooks (excluding the Ball, Kerr and Put It Up! book).
- Canning Equipment Requirements: All canned products must be canned in clear, standard jars in good condition (no chips or cracks). Jars must be sealed using two-piece canning lids (flat lid and band). Must use a new, unused flat lid. Bands must not be rusty or severely worn.
- All preserved products should be prepared and processed according to the current USDA/Extension information. USDA information on preserving food, including recipes, can be found at: nchfp.uga.edu or extension.illinois.edu/food/food-preservation
- Canning recipes must be processed in a water-bath or pressure canner.

Canning, Freezing, Drying, Pickles/Relishes, Jams/Jellies/Preserves—Prepare an exhibit using ONE of the following food preservation methods: canning; freezing; drying; pickles/relishes; jams, jellies and preserves OR the combination class. No freezer jam exhibits will be allowed for Freezing; Jams, Jellies, and Preserves; or for the Preservation Combination options.

SF50208a Preservation Canning – The exhibit should include 2 different canned foods in appropriate jars for the products. Food may be fruit, vegetable, or tomato product (i.e. salsa, juice, etc.)

SF50208b Preservation Freezing – Prepare a nutrition display that illustrates a freezing principle. No food option for this class.

SF50208c Preservation Drying – Exhibit 2 different dried foods packed in plastic food storage bags. Choose from fruit, vegetable, fruit leather, or meat jerky.

SF50208d Preservation Pickles and Relishes – Exhibit 2 pint jars of different recipes of pickles and/or relishes.

SF50208e Preservation Jams, Jellies, & Preserves – Exhibit 2 half-pint jars of two different jams, jellies, and/or preserves.

SF50208f Preservation Combination – Exhibit 2 different preserved food products, excluding Freezing, in appropriate jars/packaging. For example, exhibit 1 jar of tomatoes (Canning) and 1 half-pint of jelly (Jams, Jellies, and Preserves).

SF 50210 Foods Nutrition Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Foods project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

SF 50211 Foods Innovation Class— Open to youth enrolled in any Foods project. Demonstrate the skills and knowledge you have gained through the project. The exhibit may include, but isn't limited to, original recipes, results of experiments not in the foods project books, variations on recipes or experimenting with unique cooking or baking methods. Your work can be displayed by a food product, demonstrations, digital presentations, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. Equipment and internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display. If you bring a food product, the food will NOT be tasted.

Health

SF 50226 Health 1—Select four First Aid Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a family first aid kit and be prepared to explain what each item is used for.

SF 50227 Health 2—Select four Staying Healthy Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a "smarts" project as explained in the project manual.

SF 50228 Health 3—Select four Keeping Fit Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a poster or display on one of the Keeping Fit Skills.

SF 50229 Health Innovation Class—Open to youth enrolled in Health 1, 2 or 3. Demonstrate the skills and knowledge you have gained through the Health project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50231 Health Ready4Life Challenge— Open to 11 to 18-year-olds enrolled in any Health project. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Dept. HF—Home and Family

My Financial Future

SF 50168 My Financial Future 1 Beginner—Develop a Financial Planning portfolio which includes the items listed below. This project can be completed all in one year; or a member may take several years to explore each of the activities and develop a more detailed financial plan. The original OR photocopies of the completed activities from the project manual should be included in the portfolio. Each year enrolled in the project should build on previous year experiences.

First Year – Complete a minimum of Activities 1-6 from the My Financial Future – Beginner project manual which includes: Who Needs This?; Let's get SMART; Bringing Home the Bacon; Managing Your Money Flow; My Money Personality; and Money Decisions.

Second Year and Beyond – Complete a minimum of Activities 7-11 from the My Financial Future – Beginner project manual which includes: Banking your \$\$\$\$; Charging it Up; Check it Out; Better than a Piggy Bank!; and My Work; My Future.

SF 50169 My Financial Future 2 Advanced—Building on your previous work in My Financial Future – Beginner project, continue adding to your Financial Planning portfolio which includes the items listed below. Members are encouraged to spend more than one year involved in this project so they have time to thoroughly explore the learning modules and develop a greater understanding of financial literacy, planning for their future, and develop a comprehensive career and financial planning portfolio. The original OR photocopies of the completed activities from the project manual should be included in the portfolio. Each year enrolled in the project should build on previous year's learning experiences.

First Year – Complete a minimum of two activities from Module 1: Earning Income and Career Planning and Module 2: Organizing Your Flow.

Second Year – Complete all activities not previously completed in Module 1: Earning Income and Career Planning and Module 2: Organizing Your Flow; AND a minimum of two of the activities from Module 3: Working with Banks and Credit Unions: Bank on It and Module 4: Making Your \$ Work 4 U.

Third Year and Beyond – Complete all activities not previously completed in Module 3: Working with Banks and Credit Unions: Bank on It and Module 4: Making Your \$ Work 4 U; AND a minimum of two activities from Module 5: Credit and Consumer Breadcrumbs.

SF 50167 Consumer Ed Ready4Life Challenge—Open to 11- to 18-year-olds enrolled in any Consumer Education project. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Entrepreneurship

F4H410 Entrepreneurship: Be the E! - Exhibit a binder portfolio or display that includes the results of at least two completed activities from each year the exhibitor has been enrolled in the project. Completed activities from previous years should be included.

SF 50365 Build Your Future—Develop a career portfolio which includes the items listed below. Members are encouraged to spend more than one year involved in this project so they have time to thoroughly explore the learning modules and develop a greater understanding of planning and preparing for their future and develop a comprehensive career planning portfolio. The original OR photocopies of the completed activities from the project manual should be included in the portfolio. Each year enrolled in the project should build on the previous year's learning experiences.

First Year – Complete a minimum of Activities 1-4 from the Build Your Future project manual which includes: Skills...Choices...Careers; Making Career Connections; Build Your Future Through Portfolios; and Education Pay\$.

Second Year – Complete a minimum of Activities 5-7 from the Build Your Future project manual which includes: Career FUNds; Turn Your 4-H Passion Into Profit; and Pounding the Pavement.

Third Year – Complete a minimum of Activities 8-9 from the Build Your Future project manual which includes: Putting the Pieces Together: Goals for the Future; and Pathways to Success.

SF 50366 College & Career Ready4Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in the Build Your Future/College & Career project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Interior Design

SF 50242 Design Decisions, Beginning—Any exhibit must have been created or redesigned by the exhibitor as part of their current Interior Design 4-H project. Exhibitors should be knowledgeable about various aspects of the project. Exhibits could include items such as, but not limited to, comparison studies of different products or techniques; made accessories, wall-hangings, window coverings, or furniture items; refinished or redesigned furniture; or a plan to solve some type of interior design problem. Exhibit should be appropriate to the exhibitor's age, skills and ability in this project.

SF 50243 Design Decisions, Intermediate—Any exhibit must have been created or redesigned by the exhibitor as part of their current Interior Design 4-H project. Exhibitors should be knowledgeable about various aspects of the project. Exhibits could include items such as, but not limited to, comparison studies of different products or techniques; made accessories, wall-hangings, window coverings, or furniture items; refinished or redesigned furniture; or a plan to solve some type of interior design problem. Exhibit should be appropriate to the exhibitor's age, skills and ability in this project.

SF 50244 Design Decisions, Advanced—Any exhibit must have been created or redesigned by the exhibitor as part of their current Interior Design 4-H project. Exhibitors should be knowledgeable about various aspects of the project. Exhibits could include items such as, but not limited to, comparison studies of different products or techniques; made accessories, wall-hangings, window coverings, or furniture items; refinished or redesigned furniture; or a plan to solve some type of interior design problem. Exhibit should be appropriate to the exhibitor's age, skills and ability in this project.

SF 50245 Interior Design Innovation Class— Open to those enrolled in Interior Design. Demonstrate the skills and knowledge you have gained through the Interior Design project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50247 Interior Design Ready 4 Life Challenge—(Open to those age 11 to 18 as of 9/1/21 enrolled in the Interior Design project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Child Development

SF 50141 Child Development— Prepare a display that demonstrates the skills and knowledge you have gained studying child development. Topics might include, but are not limited to, selecting age appropriate toys and activities, explaining child behavior, or recognizing child safety concerns. The exhibit may include, but isn't limited to, original works, objects, digital presentations, programs, websites, games, apps, or posters which you have made. Choose whatever method best shows what you've learned. Equipment and internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time, and will not remain on display during the entire exhibit period. For safety, exhibits cannot include glass, syringes with needles, or any other sharp objects.

SF 50142 Child Development Ready4Life Challenge—Open to 11- to 18-year-olds enrolled in the Child Development project. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Family Heritage

SF 50197 Family Heritage—Prepare an exhibit of items, pictures, maps, charts, slides/tapes, drawings, illustrations, writings, or displays that depict the heritage of the member's family or community or 4-H history. Please note: Exhibits are entered at 4-H'ers own risk. 4-H is not responsible for loss or damage to family heirloom items or any items in this division. In some cases, it would be better to exhibit a photo rather than the actual item for this reason. Displays should not be larger than 22" x 28" wide. If the display needs to be a different size because the historical item is larger than 22" x 28", contact the Extension office for approval.

SF 50199 Family Heritage Ready4Life Challenge—Open to 11- to 18-year-olds. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.



Department CT—Clothing and Textiles

- Clothing and Textiles projects are judged at 4-H General Show, 10 a.m.
- Sewing will be judged based on construction and fit (if applicable). Exhibitors bringing sewn garments should not wear their garments when they arrive for judging. The garment will be reviewed by the judge for construction first, then judged on fit. If the garment was constructed for another individual, that individual must be present to wear the garment for the judge. (Only the exhibitor who made the garment is eligible for ribbon and premium.)
- Shopping projects can be worn for the conference judging.
- If a pattern was used for sewing project, the instructions are included with the exhibit.
- Members who enroll in Sewing & Textiles with the intent of pursuing quilting can exhibit in the non-clothing exhibit category in STEAM Clothing 1—Fundamentals. Quilts exhibited in this area are judged on the sewing skills and construction of the item. All work on the quilt MUST be completed by the 4-H member, including the quilting. Quilts can be hand or machine quilted.

Shopping

Members are encouraged to spend more than one year involved in this project so they have time to learn what clothing styles look best on them, while they also gain skills in building a versatile wardrobe and staying within their budget. Each year enrolled in Shopping should build on previous year's learning experience.

SF 50154 Shopping Beginning, Levels 1 & 2– Exhibit a garment and poster or report that may include pictures from magazines, the internet, or actual photos of garments and demonstrations **one** of the following activities from Unit 1 or 2 of the manual: 1) *Personal Style* display explains a) how it reflects your style and how it influences what others think of you; or b) how your personal style either aligns or contradicts what is considered to be “in style” today. OR 2) *Decade/Culture* display explains how your garment is either a) a modern version of a fad or fashion from an earlier decade; or b) how this garment reflects a different ethnic or cultural influence. Display also includes a body shape discussion and how body shape influences clothing selections or a color discussion that provides an overview of how different colors complement different hair colors and skin tones and how that influenced garment selection. Poster or report may include pictures from magazines, the internet or actual photos of garments. OR 3) *Design Lines* display explains a) how this garment uses the principles of design lines to create an illusion to alter appearance; OR b) explains how color and texture of fabrics can complement or enhance appearance.

SF 50155 Shopping Intermediate, Levels 3 & 4 – Choose **one** of the following activities from Unit 3 or 4 of the project: 1) Two clothing items that were previously a part of your wardrobe that still fit but you don't wear anymore and pair them with something new to make them wearable again. Include a report that explains why the garment was not being worn and what you did to transform it into a wearable garment again. OR 2) At least five pieces of clothing that you can mix and match to create multiple outfits. Include a poster or report that includes a clothing inventory AND describes what you have learned by completing this activity. OR 3) Garment you purchased along with a poster or report that a) includes a wardrobe inventory which indicates why you selected the garment you did, clothing budget, and cost of garment or b) explains how advertising influences clothing purchases, making a distinction between wants and needs and how the purchase of this garment compliments and/or extends your wardrobe. OR 4) Garment you purchased along with a poster or report that a) describes a cost comparison of this item completed by the exhibitor when purchasing the garment; should include variety of shopping options and/or price tracking at stores over a period of time or b) provides a quality comparison rating the specific clothing item purchased based on care, construction, cost and unique features; should include construction quality details, design features that influenced selection, cost per wearing, & garment care.

SF 50156 Shopping Advanced, Levels 5 & 6 – Choose **one** of the following activities from Unit 5 or 6 of manual: 1) Garment you purchased along with a poster or report that summarizes care requirements for this garment and garments made of other natural and synthetic fibers; include a care cost analysis for garments of different fibers. OR 2) Garment you purchased which you have repaired or altered along with a poster or report that provides a clothing inventory list which includes cost savings for repaired items as compared to purchasing replacement garments. OR 3) Multiple garments you purchased along with a poster or report that provides plans and commentary for a fashion show that would capture the attention of an audience. Plans should identify target audience, include show venue, purpose of the show as well as logistical and financial plans. Be prepared to demonstrate modeling skills.

Sewing

STEAM Clothing 1 – FUNdamentals— prepare an exhibit for **one** of the STEAM 1 classes below.

SF 50151a Non-Sewn Exhibits—Exhibit one of the following: *Clothing Portfolio* – Complete at least three different samples/activities from Chapter 2 and/or Chapter 3 of the project manual. Examples of samples you might include: How Two Magically Become One, pages 85-86; No Fear of Fray, pages 93-95; Two Sides of the Moon, pages 97-99; On the Flip Side, pages 101-104; Basic Hand Sewing Skills, pages 106-108. The Portfolio should be placed in an 8 ½" x 11", 3 ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – additional pages can be added each year but must be dated with the year. See pages 9-10 of the project manual for portfolio formatting. OR *Fabric Textile Scrapbook* – Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in the project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½" x 11", 3-ring binder. Include an appropriate cover. See project manual, pages 42-74, for fabric options and fabric science experiments. *What's the Difference - What's the Price Point* – Exhibit may include a notebook, poster, small display sharing a project comparison and price point. See activity, pages 118-120. Exhibit should include PHOTOS; NO actual PILLOWS.

Beginning Sewing Exhibits – exhibits in this class must be made from medium weight woven fabrics that will sew and press smoothly, flannel/fleece is acceptable. Solid color fabrics or those having an overall print are acceptable. NO PLAIDS, STRIPES, NAPPED or JERSEY KNIT. Patterns should be simple WITHOUT DARTS, SET-IN SLEEVES, and COLLARS. Raglan and loose flowing sleeves are acceptable.

SF 50151b Sewn Non-Clothing Exhibits—Exhibit **one** of the following: 1) Pillowcase; 2) Simple Pillow – no larger than 18" x 18"; 3) Bag/Purse – no zippers or button holes or 4) Other non-clothing item using skills learned in project manual

SF 50151c Sewn Clothing Exhibits—Exhibit **one** of the following: 1) Simple top; 2) Simple pants, shorts, or skirt – no zipper or button holes; 3) Simple Dress – no zipper or button holes; or 4) Other – other wearable item using skills learned in project manual (apron, vest, etc.)

STEAM Clothing 2 – Simply Sewing—prepare an exhibit for **one** of the STEAM 2 classes below.

SF 50152a STEAM 2 Non-Sewn —Exhibit one of the following: 1) *Clothing Portfolio* – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual, placed in an 8 ½" x 11", 3 ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – this can be a continuation of a Portfolio created in STEAM Clothing 1. Additional pages can be added each year but must be dated with the year created. See project manual, pgs. 9-11, for portfolio formatting; 2) *Expanded Textile Science Scrapbook* – In an 8 ½" x 11", 3 ring binder, include at least 10 different textile samples. Use template on pg. 39 in the project manual to identify fabric swatches. Include an appropriate cover. See project manual, pages 40-82, for fabric science experiments; 3) *Design Basics – Understanding Design Principles* – Exhibit should include a learning experience that demonstrates the design principles and elements involved when selecting fabric for clothing and accessories. See project manual, pages 17-20, for design suggestions; or 4) *Entrepreneurial Sewing* – Create an exhibit that displays products you made and posted online. Refer to the project manual, pages 161-167, for information on how to analyze the cost of similar purchased items to determine pricing of your products. The exhibit may be a notebook, poster, or small display.

SF 50152b STEAM 2 Sewn Non-Clothing Exhibits— Exhibit one of the following: 1) *Recycled Clothing Accessory* – Create a clothing accessory made from a used item. The item must be changed in some way in the redesign process. The finished accessory must reflect at least one skill learned in the project and exhibitor should be able to identify the skill used. A before picture and a description of the redesign process must accompany the exhibit. Clothing accessory may include: hat, bag, scarf, belt, etc. or 2) *Non-Clothing Item OR Clothing Accessory* – Create a non-clothing item or clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

SF 50152c STEAM 2 Sewn Clothing Exhibits—Exhibit one of the following, that uses at least one skill learned in this project and exhibitor should be able to identify the skills used. Garment should be appropriate for the age and experience of the member. 1) *Recycled Clothing* – Create a garment from used textile-based items. The original used item must be redesigned (not just embellished or decorated) in some way to create a new wearable piece of clothing. A before picture and a description of the redesign process must accompany the exhibit. 2) *Constructed garment* – Any garment with facings or curves.

STEAM Clothing 3 – A Stitch Further—prepare an exhibit for **one** of the STEAM 3 classes below.

SF 50153a STEAM 3 Non-Sewn Exhibits—Exhibit one of the following: 1) *Clothing Portfolio* – In an 8 ½" x 11", 3 ring binder, display at least four different samples/activities from Chapters 2, 3 and/or 4 of the project manual. Include an appropriate cover, dividers, and table of contents. NOTE – this can be a continuation of a Portfolio created in STEAM Clothing 1 and/or STEM Clothing 2. Additional pages can be added each year but must be dated with the year created. See project manual, pages 11-13, for portfolio formatting. 2) *Expanded Textile Science Scrapbook* – in an 8 ½" x 11", 3 ring binder, display at least 10 different textile samples. Use template on page 29 in the project manual to identify fabric swatches. Include an appropriate cover. See project manual, pages 39-52, for fabric science experiments. Or 3) *Advanced Entrepreneurial Sewing* – Using knowledge gained in project manual, Chapter 5, display one sample product with a business plan that includes a business ID and logo. The exhibit may be a notebook, poster or small display.

SF 50153b STEAM 3 Sewn Non-Clothing Exhibit—Exhibit one of the following, that uses a skill learned in this project. Exhibitor should be able to identify the skill used: 1) *Recycled Clothing Accessory* – Create a clothing accessory made from a used item. The item must be changed in some way in the redesign process. A before picture and a description of the redesign process must accompany the exhibit. 2) *Non-Clothing Item OR Clothing Accessory* – Create a non-clothing item or clothing accessory.

SF 50153c STEAM 3 Sewn Clothing Exhibit— Exhibit one of the following, that uses at least one skill learned in this project and exhibitor should be able to identify the skill: 1) *Recycled Clothing* – Create a garment from used textile-based items. The original used item must be redesigned (not just embellished or decorated) in some way to create a new wearable piece of clothing. A before picture and a description of the redesign process must accompany the exhibit. 2) *Constructed garment* – Any garment constructed by the member which is appropriate for the age and experience of the exhibitor. Possible examples are wool garment, dress, or jacket with set in sleeves and zipper or buttons and button holes, suit, evening gown, or sport outfit.

SF 50157 Sewing & Textiles Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Sewing & Textiles project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.



Dept. ET—Engineering and Technology

Aerospace

Aerospace—Choose **one** of the exhibits:

SF 50130 Aerospace Units 2, 3, and 4—One model rocket which you have constructed during the project year. Bring the printed directions for construction of the rocket. The rocket will not be launched at the show, but should be in good flying condition. DO NOT include the rocket engine with your exhibit.

F4H411 Kite— One hand-made kite in good flying condition. Member should bring a list of materials and directions used in constructing the kite. *Kites are not eligible for State Fair selection.*

SF 50131 Aerospace display—This may be a poster or other type of display, including digital. You must bring your own equipment if showing a digital project. Internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time, and will not remain on display during the entire exhibit period.

SF 50133 Aerospace Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Aerospace project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Bicycle

- Do NOT bring a bicycle to the 4-H Show.

F4H412 Bicycle 1 or 2 – Prepare a display related to what you have learned in this project. This might include bicycle safety, bicycle repairs, or other topics related to the project. Display could be a poster or other type of display, including digital. Equipment and internet not provided.

F4H413 Bicycle Ready4Life Challenge—(Open to 11- to 18-year-olds enrolled in any Bicycle project.) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Computer Science

- Exhibitors may bring computer equipment for demonstration purposes. Computers will not be furnished. Internet connections are not available for use by exhibitors. Any member found to be using computer software in a manner that infringes on copyright laws will be disqualified.
- Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.
- All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition.

Computer Science Visual-Based Programming—Choose **one** of the exhibit options below, based on your skill level and interest:

F4H414 Beginning Visual Programming— Exhibit a simple program using Scratch (or other simple graphic programming language). The program should include eight different commands including looping and getting input from the keyboard and mouse.

SF 50159 Intermediate Visual Programming— Exhibit a program using Scratch (or other simple graphic programming) that you have downloaded from the internet and modified. Compare the two programs and demonstrate the changes you made to the original program; OR create an animated storybook using Scratch (or other simple graphical programming language).

SF 50160 Advanced Visual Programming— Exhibit a video game you have created in Scratch (or other simple graphic programming).

SF 50161 Website Design— (Open to youth in Computer Science Visual or Text-Based Programming) Exhibit an original website that you have designed. Internet access will not be provided, so exhibitors must supply their own internet hot spot, or the website must be hosted on the exhibitor's computer). All exhibits must include something visual, such as a poster or printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time, and will not remain on display during the entire exhibit period.

SF 50162 Computer Open Source CS— (Open to youth enrolled in Computer Science Text-Based Programming or Robotics project). Demonstrate the skills and knowledge you have gained through the Computer project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service not provided. Exhibits in this class may also demonstrate successful application of open source (publicly available) computing software and /or hardware, such as Raspberry Pi and Linux, to accomplish a task. All exhibits must include something visual, such as a poster or printed copy of a digital presentation or programming flowchart, which will remain on display during the exhibition. Exhibits in this area will be judged on the computer science programming. Youth enrolled in a robotics project should choose this class if you want the exhibit to be judged on the programming of the robot. Electronic equipment will only be used during your personal judging time, and will not remain on display.

SF 50164 Computer Science Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in the Computer project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Drone Technology – Unmanned Aerial Vehicles/Systems

Choose one of the following exhibit options, based on your interest and skill level.

Each exhibitor must complete all three sections of Quads Away Curriculum and display (or upload) a completed Mission Logbook.

SF 50375 UAV Display—Prepare a display related to the Drones/UAV project on the topic of your choosing. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Equipment and internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display. Non-UAV/ Drone projects should not be entered in this class (see Aerospace Display).

SF 50376 UAV Unmanned Aerial Systems—Exhibit one Unmanned Aerial Vehicle and associated system assembled or made by the member. UAV or Drone exhibits in this class must be either originally designed or built from a kit of reconfigurable parts and components. These displays are limited to multi-copters (tri, quad, hex, and octocopters), as well as FPV airplanes and flying wings with wingspans up to 36". A detailed build log with pictures, as well as a Mission Logbook must be included. The UAV MUST have a Flight Controller and utilize a camera/video transmission system. The exhibit will be a static display. The Drone should be in good flying condition with batteries fully charged, and all UAS components (including Video System) ready to demonstrate. DO NOT display your UAV with the propellers on, but rather on the table to the side of your UAV. The Drone will not be flown. Attach the printed directions/ instructions of the UAV if any were used.

Electricity

- Projects using paper clips, cardboard, thumbtacks, and brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junk Drawer Robotics 1 or 2.
- Levels 1 and 2 may only be battery-powered projects using battery components and wiring.
- All electricity projects must include a report, explaining how the project was constructed, and principles for its operation. Recommendations can be found on the website.

SF 50177 Electricity 1—Exhibit a momentary switch, simple switch, basic circuit, electromagnet, galvanometer, OR an electric motor.

SF 50178 Electricity 2 - Exhibit a circuit board demonstrating parallel and series switches, including a circuit diagram; 3-way or 4-way switch circuit using DC/battery; OR a basic electrical device (examples: rocket launcher, burglar alarm, etc.).

SF 50179 Electricity 3—Exhibit a 120V lighting fixture or other appliance that uses a switch; OR two electrical household circuits using 120V materials to comply with National Electrical Code, one with a simple on/off switch to control bulb, and one using 3-way switches to control light from two locations; OR other project which demonstrates principles in the *Wired for Power* book.

F4H415 Electricity 4—Exhibit any electronic or solid-state appliance. Exhibitor must be able to explain how the project was constructed, how it is to be used and how it works. When project is being constructed, general safety and workmanship should be considered.

SF 50181 Electricity Ready4Life Challenge—Open to 11- to 18-year-olds enrolled in any Electricity project. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

eSports

SF 50378 eSports—Compete in at least 1 ranked tournament online or in person (either as a team or solo), and fully document your progress throughout. Any game with a documentable bracket system, and at least 3 rounds counts. Be sure to include a description of the tournament, your match information, your win-loss record, and description of the game and platform being used to play the game (Ram requirements/capabilities of your machine, video card specs., etc.). Prepare a PowerPoint presentation describing your journey through eSports (including your 1 mandatory tournament), what you have learned about gaming/eSports, and why you think more youth should be involved. Also include a detailed description of your most important win, explaining your strategy in that victory. Be sure to include screenshots and video, if possible. Load your presentation to a USB drive, and be sure to add narration if uploading for virtual exhibition. Equipment and internet not provided.

Maker

SF 50400 Maker— Exhibits designed to be multi-disciplinary in nature and innovative. Complete the DIY Make & Build Curriculum and answer all the questions at the end of each lesson and display your answers, as well as your Maker Log from the curriculum. Exhibits must be an object or device that has an intended purpose and uses technology in either a mechanical way, digital (computer) way, or combination of the two. Your device or object cannot be one of the included activities in the Curriculum. The device must be something that can be used in everyday life by multiple people (a target audience), and **MUST** be manufactured/built by the exhibitor. If not fully manufactured by the exhibitor, the device **MUST** be modified structurally or be reprogrammed to perform a different function other than what it was designed to do. Exhibits **MUST** be able to interact with the outside world. (e.g. an on off switch, input sensors, feedback, etc.) Exhibits **MUST** include a detailed build log with instructions on how to make or build the exhibit, **AND** contain either a 3D rendering or detailed and labeled sketches of the device/product. All parts and software used in the design/build **MUST** be listed in a detailed Bill of Materials including cost per item and total cost. Total time spent on the build must be documented in your build log. You are **HIGHLY** encouraged to use tools such as 3-D printers, laser cutters, routers and/or other hand/power tools to help in the manufacturing process (NOTE: Simply 3-D printing or laser cutting an object without the other specifications does not qualify as a Maker Project). It is also **HIGHLY** encouraged that exhibits use Open Source software and/or hardware in the build.

Robotics

- If applicable for their class and display, exhibitors must bring their own computers for demonstration purposes; computers will not be provided. Internet access will not be available.
- Exhibits in Robotics 1 Beginning, Robotics 1 Intermediate, and Robotics 2 are designed to be used with LEGO Mindstorms (NXT or EV3).
- Any other programmable robot kit, such as Arduino or Raspberry Pi, should be exhibited in the Robotics Innovation/Open Source option.
- Bring manual, program code (on laptop or on paper), and a single page write-up to share what you learned about the engineering design process and programming throughout your work in the project, and specifically while preparing the exhibit.

F4H416 Robotics 1, Beginning— Complete Activities 1-6 in the Robotics 1 with EV 3 manual. Design, build, and program a robot that can autonomously follow a predetermined path that changes direction at least 4 times during a single run.

SF 50285 Robotics 1, Intermediate— Complete Activities 7-12 in the Robotics 1 with EV3 manual. Design, build, and program a robot that uses at least one sensor to autonomously follow a path, respond to, and/or avoid obstacles. Use at least one sensor in robot design.

SF 50286 Robotics 2—Complete Activities 1-7 in the Robotics 2 EV3N More manual. Design, build, and program a robot that uses sensors and programming to complete one of the challenges selected challenges from the 2022 4-H State Robotics Challenge (Eligible Challenges will be Marked in the Challenge Documents on the Illinois 4-H website). In addition to manual and program code, bring a short journal sharing changes made to the robot and/or program along the way, and describe your experience completing the challenge.

SF 50292 Robotics 3 (Innovation Open Source exhibit class) - Exhibit an original robot, either home-made or a kit that can complete a task using MULTIPLE sensors. If a robot kit is used, then some parts of the robot must be built using other components such as wood, plastic, or metal. The robot can include any types of motors, pneumatics, or sensors. The Innovation class can also be used for LEGO Mindstorms or Vex kits where the exhibit does not fall under Robotics 1 or 2 exhibit option. Autonomous control of the robot may also be achieved using an “open source” platform such as Arduino or Raspberry Pi and can be programmed using a coding language that is publicly available. Exhibitors in Robotics Innovation/Open Source class must bring a detailed engineering notebook that describes how the exhibitor designed, built and programmed the exhibit.

Junk Drawer Robotics

- All exhibits should be original designs made with everyday objects and materials. Exhibits with purchased kits not accepted.
- Exhibitors required to bring their Junk Drawer Robotics Youth Robotics Notebook with the sections completed for the project they are exhibiting, including the sections leading up to the activity they are exhibiting. For example, if a youth is bringing Activity E from Junk Drawer Level 1, they should have robotics notebook sections A-E completed.

F4H417 Junk Drawer Robotics 1—Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 1 Book.

SF 50288 Junk Drawer Robotics 2, Robots on the Move— Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 2 Book.

SF 50289 Junk Drawer Robotics 3, Mechatronics—Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 3 Book.

SF 50293 Robotics Ready 4 Life Challenge— (Open to 11- to 18-year-olds enrolled in any Robotics project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Small Engines

SF 50294 Small Engines Units 1, 2, and 3—All Small Engines exhibits must be portable, and no larger than a 4' x 4' display board. All exhibits should involve engines smaller than 20 horsepower. No electric power is available for displays/exhibits. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display. Exhibit a display, selecting **one** of the following items: 1) *Ignition System*: Identify the parts of the Ignition System and explain how magnetic energy is produced through the ignition system to ignite the spark plug; OR 2) *Compression System*: Explain how heat energy is produced by an engine and converted into mechanical energy; OR 3) *Heat Transfer*: Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine; OR 4) *Filter Maintenance*: Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine; OR 5) *Serial Number*: Explain the various information that can be learned from the serial number or identification number stamped on the shroud of a Briggs & Stratton engine; OR 6) *Tools*: Identify and explain the function (s) of different specialty tools needed for small engine work; OR 7) *Experimentation*: Explain through illustration an experiment you conducted from the project manual showing the results of your work.

SF 50297 Small Engines Ready 4 Life Challenge—(Open to those age 11 to 18 as of 9/1/21 enrolled in any Small Engines project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Tractor

SF 50306 Tractor A: Starting Up—Exhibit a display or poster that illustrates one of the following topics: tractor safety, care and maintenance, the tractor as a valuable farm machine, or an activity listed in the project manual.

SF 50307 Tractor B: Tractor Operation—Exhibit a display or poster that illustrates one of the following topics: cause and prevention of rollovers, diagram how an air cleaner works, diagram & identify an engine cooling system, regulations for battery & oil disposal, or another activity listed in the 4-H manual.

SF 50308 Tractor C: Moving Out—Exhibit a display or poster that illustrates one of the following topics: wagon and bin hazards, diagram and identify open and closed hydraulic systems, mower types and safety features, conveyor types and safety features, or another activity listed in the 4-H project manual.

SF 50309 Tractor D: Learning More—Exhibit a display or poster that illustrates one of the following topics: method of winterizing a tractor, chemical uses and required safety equipment, parts and process of internal combustion engine, procedure for cleaning and flushing tractor radiator, or another activity listed in the 4-H project manual.

SF 50310 Tractor Innovation Class—Open to youth enrolled in Tractor A, B, C or D. Demonstrate the skills and knowledge you have gained through the Tractor project. This could be related to, but not limited to, advancements in technology, enhancements to crop production, or a topic of interest to the member related to tractors or farm machinery. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50312 Tractor Ready 4 Life Challenge—(Open to those age 11 to 18 as of 9/1/21 enrolled in any Tractor project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Welding

SF 50353 Welding—Exhibit one Arc weldment/item demonstrating the skill level of the exhibitor. Members new to the project should consider selecting a weldment from the suggested Weldment List found on page 43 of Arcs and Sparks. This class is for industrial welding only. Exhibits that were created with an artistic appeal should not be exhibited for this project. Members wishing to create artwork should consider enrolling in Visual Arts Metal. To be considered for State Fair in this project, member must be going into the 7th grade or higher. Exhibits must be portable, and cannot be exhibited on a trailer.

SF 50355 Welding Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Welding project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Woodworking

SF 50357 Woodworking 1

SF 50358 Woodworking 2

SF 50359 Woodworking 3

SF 50360 Woodworking 4

Make and display an item made of wood, constructed or refinished by the member, appropriate for their age, skills, and ability in this project. The member should show an advanced level of difficulty based on project level and the member's experience. Pre-cut kits assembled by the member are not acceptable. Exhibits must be portable, and cannot be exhibited on a trailer.

SF 50362 Woodworking Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Woodworking project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.



Dept. PD—Personal Development

Communications

SF 50368 Communications 1, 2 and 3—

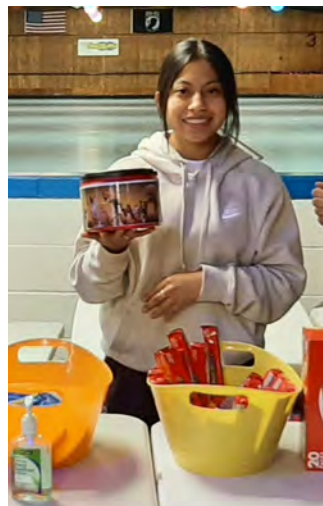
First year— Exhibit a binder portfolio showcasing at least three activities from the project manual. Show basic activities and anything that extended the lessons. Use of page protectors is recommended.

Second and third year— Include everything from earlier years' work, and add section showcasing at least four additional activities per year. Use of page protectors is recommended.

SF 50367 Creative Writing—Submit **one** of the following. The entry is to be typewritten on 8 ½ x 11 inch paper and include exhibitor's name. Entries must be original and written for the 4-H project. Stories should be double-spaced. Poems may be single-spaced. This is exhibited at 4-H General Show. Entries should be delivered to the Extension office one week prior to the Show to allow time for judge to read prior to conference with 4-H member. 1) *Rhymed Poetry*: An interpretation of a subject in rhymed verse. Submit a collection of three poems. 2) *Free Style Poetry*: An interpretation of a subject in unrhymed verse. Submit a collection of three poems. 3) *Short Story*: A fiction piece comprised of three basic elements: a theme, a plot, and characters. Submit one story, maximum length of 2,000 words. 4) *Essay*: A short nonfiction composition in which a theme is developed or an idea is expressed. Submit one essay, maximum length of 500 words. 5) *Feature Story*: Nonfiction human-interest story judged on interest to readers, writing style, readability, and thoroughness of coverage. Submit one story, maximum length of 1,000 words.

SF 50370 Communication Ready 4 Life Challenge— (Open to those age 11 to 18 enrolled in Communication, Journalism, or Creative Writing) () Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/ portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

SF 50369 Journalism—Exhibit a binder portfolio showing the results of the appropriate year's activities: *Year 1*: A minimum of five 2-star activities from Part 1, answering all of the questions in the activities. *Year 2*: A minimum of five 2-star activities in Part 2, answering all the questions in the activities. *Year 3*: A minimum of five 3-star activities from Parts 1 and 2. One of the activities must include writing an advance story, a follow-up story, or a feature story. *Year 4*: At least two 2-star activities and three 3-star activities from Part 3. If the activities include an audio or videotape, exhibitor must either bring his/her own equipment.



Filmmaking (Video)

- Bring a laptop or other device to show your video.
- Video submissions should be no longer than five minutes (unless noted differently).
- Videos are to be original and a result of the member's current year's work.
- Criteria for exhibit classes listed below shall include: (1) Evidence of story line; (2) Use of camera angles; (3) Use of zooming techniques; and (4) Smoothness of scene changes.
- Image and sound quality will be considered in relation to equipment available to and used by exhibitor.
- All videos should comply with copyright rules and display an image that is appropriate for 4-H audiences.
- No time or date should be imprinted on the video footage.
- All videos should include an opening title screen, as well as closing credits which include date of production, name of video exhibitor, and research sources, if appropriate.
- All Video/Filmmaking exhibitors must include a printed copy of online materials, which will remain on display.

Filmmaking—Choose **one** of the following to exhibit:

SF 50324 Commercial or Promotional Video— Prepare a short video (30 seconds to 1 minute in length) that promotes an event or advertises a specific project/product, or is a public service announcement. The video should demonstrate skills in making and editing video.

SF 50325 Animated Video— Video in this class should represent creative animation of original artwork created by the exhibitor, and may include stop motion techniques. Media might include images created with graphics software or hand-drawn images.

SF 50326 Documentary— Video in this class should represent a research-based investigation into a topic of choice. Video credits should list research sources, and may include paper or electronically published materials, as well as interviews with experts or constituents related to the topic of investigation.

SF 50327 Short Story or Short Narrative – Prepare a short video that tells a story. The video should demonstrate skills in making and editing video.

SF 50328 Video/Filmmaking Innovation Class—Open to youth enrolled in Video/Filmmaking. Demonstrate the skills and knowledge you have gained through the Video project. Your exhibit should not fit in the other exhibit options for this project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50330 Video/Film Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in this project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Leadership

- Photocopies or original pages of the completed activities from the book should be included in the portfolio for levels 1, 2, and 3.
- Use of page protectors is recommended.

SF 50249 Leadership 1— Create a binder portfolio with a minimum of four completed activities each year, from the areas noted below. Build upon your previous year's work.

First Year – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with Others, plus one of exhibitor's choice from the manual.

Second Year – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one of exhibitor's choice from the manual.

Third Year – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

SF 50250 Leadership 2—Building upon your previous work, continue adding to your binder portfolio with a minimum of four completed activities each year, from the areas noted below.

First Year – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with Others, plus one of exhibitor's choice from the manual.

Second Year – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one of exhibitor's choice from the manual.

Third Year – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

SF 50251 Leadership 3—Building upon your previous work, continue adding to your binder portfolio with a minimum of four completed activities each year, from the areas noted below.

First Year – One activity from each of the following sections: Understanding Self; Communication; and Getting Along with Others, plus one of exhibitor's choice from the manual.

Second Year – One activity from each of the following sections: Getting Along with Others; Learning to Learn; and Making Decisions, plus one of exhibitor's choice from the manual.

Third Year – One activity from each of the following sections: Making Decisions; Managing; and Working with Groups, plus one of exhibitor's choice from the manual.

SF 50252 Leadership Innovation Class—Open to youth enrolled in Leadership 1, 2, or 3. Demonstrate the skills and knowledge you have gained through the Leadership project. Your exhibit should not fit in the other exhibit options for this project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50255 Leadership Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Leadership project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

SF 50254 Leadership Group Exhibit—Open to clubs whose members are enrolled in Leadership. Exhibit a display illustrating how your group has used the Teens As Leaders model effectively in your club, community, school, or state. Activities might include planning, advising, promoting, mentoring, teaching or advocating for change. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Equipment and internet not provided. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display. The display must be accompanied by 3 or more 4-H members at time of judging. Club members should make a 5- to 10-minute presentation to the judge. Only club members present for judging who participate in the actual critique and presentation are eligible for ribbons and premiums. Due to space limitations, exhibits are limited to 2'6" wide and 15" deep.

Theater Arts

In 2022, the Performing Arts Show will not be held. Plans to combine it with the Public Speaking contest are in the works for 2023. Volunteers interested in becoming Superintendents for that combined event can reach out to the Extension office for more details.

SF 50299 Theatre Arts 1—Exhibit **one** of the following items: 1) Portfolio of acting activities completed during the current year (A video of performances is not considered a portfolio and will not be accepted for exhibit.); 2) Display illustrating a drawing/photograph of a clown character created by the exhibitor; 3) Display illustrating a picture story developed by the exhibitor.

SF 50301 Theatre Arts 3—Exhibit **one** of the following items: 1) Portfolio of activities for set design; make-up; or sound, props, or costuming completed during the current year; 2) Display that includes sound, props and costume charts appropriate for a selected scene from a story or play (limited to no more than 8 items); 3) Display a scenic design model to depict a scene from a script; 4) Display illustrating a character with make-up drawn or colored in. Include a photograph of a person wearing the make-up and information on the character's personality or part in the play.

SF 50302 Theatre Arts Innovation Class—Open to youth enrolled in Theatre Arts. Demonstrate the skills and knowledge you have gained through Theatre Arts project. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

SF 50304 Theatre Arts Ready4Life Challenge—Open to 11- to 18-year-olds enrolled in any Theatre project. Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.



Photography

- All photos in exhibits must have been taken by the exhibitor.
- Photo/Model releases from individuals pictured in the exhibitor's photographs are required unless the photograph is of a group in a public place where identification would not be an issue. The release can be obtained at: 4h.extension.illinois.edu/members/projects/photography
- Photos may be taken with a camera, an electronic tablet (like an iPad), or a cell phone.
- ALL photos (including Photo Editing exhibits) must be accompanied by details of the camera settings that include: Camera/device used, Aperture (F-stop), Exposure time (shutter speed), ISO (film/sensor sensitivity), Lighting used (flash, artificial, sunlight, other), Lens Filters (Ultra-Violet, Polarizing, etc.) if used. Members are allowed to shoot on a camera's automatic setting, but should be able to find the metadata information on the photo to discuss the information above.
- Additional details needed for Photo Editing class: Photo editing software/application used (required for ALL edits and retouches except for cropping), Filters used (lens filters or digital/software filters)
- The exhibition size requirements for all photographs will be:
 - Minimum image size: 5" x 7"
 - Maximum image size: 8" x 10"
 - Maximum exhibit size (including frame): 18" x 20"
- All exhibitors must include unframed (taped to the back of the framed exhibit or attached to the project booklet) original or un-edited versions of either the same subject or the examples of the same technique that the framed image represents. This will assist the judge in understanding the choices made by the photographer to build the exhibited composition.
- Images taken with devices that apply an automatic filter will not be eligible for award.

PSF 50268 Photography 1, Focus on Photography— One framed photo which demonstrates your understanding of a technique you learned from your project manual. No photo editing is allowed in this class except cropping and red eye removal. Be prepared to show the page in the manual of the technique you are demonstrating.

SF 50269 Photography 2, Next Level Photography—Exhibit **one** of the options. No photo editing is allowed in this class, except cropping and red eye removal. 1) Exhibit one framed 8" x 10" close-up photograph using the skills learned on pages 62-63 (in the section Bits and Pieces) of the project manual titled "Next Level Photography." 2) Exhibit one framed 8" x 10" photo which demonstrate your understanding of a technique you learned from your project manual. Be prepared to show the page in the manual of the technique you are demonstrating.

SF 50270 Photography 3, Mastering Photography— Exhibit **one** of the options. No photo editing is allowed in this class, except cropping and red eye removal. 1) Exhibit one framed 8" x 10" still-life photo that demonstrates good composition, including color, form, texture, lighting, and depth of field. 2) Exhibit one framed 8" x 10" photo which demonstrates your understanding of a technique you learned from your project manual. Be prepared to show the page in the manual of the technique you are demonstrating.

SF 50271 Photo Editing— (Open to members in Photography 1, 2, and 3) Exhibit one framed 8" x 10" photo that has been altered using digital photo-editing techniques (beyond cropping and red-eye reduction). Include a print of the original photo(s), taped to the back of the photo frame. Photos in which an automatic filter was applied at the time the photograph was taken will not be eligible for State Fair.

SF 50274 Photography Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Photography project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

Public Presentations

Public Presentation Schedule—March 26, 2022, 2:30 p.m. at U of I Extension office

- Members are responsible for furnishing all equipment, supplies, and props.
- No parents or supervising adults will be permitted in the staging areas or to assist with equipment being used in the presentation.
- No live animals are allowed.
- The content of any 4-H competitive presentation does not necessarily reflect the beliefs or views of the University of Illinois Extension 4-H program.

Formal Speech— Self-written, notes allowed, no props, individual, Formal Speeches share the presenter's own unique view and are intended to motivate, persuade, or inform an audience and may include a call to action. Youth deliver a speech on any topic they wish.

SF 50501A Formal Speech Beginner—4-H ages 8 to 13, 2 to 4 minutes long

SF 50501B Formal Speech Advanced—4-H ages 14 to 18 4 to 6 minutes long

Illustrated Speech—Self-written, notes allowed, illustrations required, individual. Illustrated Speeches may be used to inform, persuade, or motivate the audience while using a visual aid. Visual aids may be two dimensional, three-dimensional, or digital. Youth may include audience participation. Digital visual aids must be stored on a USB flash drive. Illustrated speeches may be: How-to demonstrations which show the audience how to do something. Object lessons which use objects as metaphors to share a message. Educational models where drawings or diagrams help explain a topic.

SF 50503A Illustrated Speech Beginner—4-H ages 8 to 13, 2 to 4 minutes long

SF 50503B Illustrated Speech Advanced—4-H ages 14 to 18 4 to 6 minutes long

Original Works— Self-written, Notes Allowed, Props and Costumes Allowed, Individual or 2-Person Team, Manuscripts sent in Advance, 4 to 6 minutes. Original works must be written entirely by the presenter. Presentations may be designed for TV, radio, or online media and must be presented live. The types of entries could include: Prose and Short Stories. Poetry. Broadcast Media Program. Theatrical. Combined Program: Combine any number of the above elements along with other creative presentation forms.

SF 50504 Original Works - Individual

SF 50505 Original Works - Team

Oral Interpretation—Published Work, Props and Costumes Allowed, Individual or 2-Person Team, Manuscripts sent in Advance, 4 to 6 minutes. The types of entries could include: Prose and Short Stories. Poetry. Theatrical Interpretation. Published Speech Recitation: Excerpt from a spoken presentation delivered by a public figure, such as Winston Churchill, Dr. Martin Luther King, Jr., or Maya Angelou. Combined Program: Combine any number of the above elements along with other creative presentation forms.

SF 50506 Oral Interpretation - Individual

SF 50507 Oral Interpretation - Team



Visual Arts

- Exhibitors must be enrolled in the Visual Arts project category/media in which they are exhibiting.
- Articles must have been made during the current 4-H year (September 1 through August 31). Exhibitors are encouraged to date the project when it was created/completed.
- All Visual Arts exhibits are evaluated using a Visual Arts rubric, which takes into account correct use of design elements, craftsmanship, and creativity.
- Articles exhibited are to be made by the exhibitor, who is a participant in a specific Visual Arts project media.
- Articles exhibited must be an original design created by the exhibitor (except in Heritage Arts, which may follow a pattern AND Fiber-Non Original Ages 8-10 ONLY). Copyrighted or trademarked designs are not acceptable (this includes team or school logos). Combining parts of different patterns (pictures, photographs, images from the internet, or a magazine) with the member's own ideas can result in an original design, but simply changing the color, pattern, and/or size of a pattern does NOT make the design original. The exhibit must combine parts of different patterns and/or ideas with the concepts of the member, however changing the color or changing the size of the item or pattern used does NOT make it original. If you create a replica of what you see somewhere else, it is not your original design. Be prepared to explain how and where you got the idea for the exhibit.
- Kits and pre-formed molds are not considered original, and are not acceptable in any media.
- Design Source: If a photo, sketch, or other idea source was used, attach it firmly to the back of the item. Be prepared to explain how and where you got the idea for this project. Photos used as a source must have been taken by the exhibitor.
- All items must be properly prepared for display. Items which are intended to be hung must be prepared for hanging. The hanging device must be sturdy enough to support the weight of the object. Framed items not intended to be hung should be noted as such on the exhibit tag, and a photo of the artwork being displayed should be included.
- Drawings and paintings should be matted and preferably framed, under glass. (Exceptions: Oil and acrylic paintings do not require glass and are not required to be matted. Watercolor, chalk, pen & ink, computer-generated art, etc. do require some protective covering.) Gallery frames are acceptable. Canvas paintings that continue "over the edges" are acceptable without frames; however, the piece must still be prepared for hanging. Matted pieces without frames are acceptable, however the piece must be prepared for hanging OR it must include a photo of the artwork being displayed in a non-hanging manner.
- There is no specific requirement for type of mat used. The Visual Arts member's manual gives basic directions for a mat, but purchased, pre-cut mats (which are available at craft and discount stores) are acceptable.
- Quilts entered in Visual Arts should ONLY be entered in the Quilting Project area in either Level 1 You Can Quilt (SF 50331A) OR Level 2 Quilting the Best Better (SF 50331B). All work on the quilt MUST be completed by the 4-H member, including the quilting.

SF 50344 Visual Arts Paper— Any original item made of paper. Examples could include origami, greeting cards, paper-cut designs, paper mache, hand-made paper, paper collage, paper models of architecture, quilling, etc. Paper twist articles, made from directions in craft books and stores, are not original, and do not belong in this class. Scrapbooks should be exhibited in Visual Arts Scrapbooking.

SF 50339 Visual Arts Fiber— Any original item made of fiber. Examples are quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross stitch, wearable art, hooking, braiding, duct tape artistry, string art, and baskets. ORIGINAL cross-stitched, knitted, crocheted, or quilted items belong in this Fiber class. 4-Hers wanting to exhibit non-original cross-stitched, knitted, crocheted, or quilted items should be enrolled in the Heritage Arts project. Machine knitted items are not appropriate for this class.

SF 50350 Visual Arts Fiber Non-Original—4-H AGES 8-10 ONLY. Any non-original item made of fiber. Examples are fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, crocheting, knitting, weaving, hooking, and felting. Exhibitors may use a pattern and/or an idea generated from another source.

SF 50337 Visual Arts Clay— Any original item made of clay -- may be fired or unfired, hand-formed or thrown on a wheel. Self-hardening clays are fine. Fire/oven-cured and corn starch clay could be accepted. Items can include, but are not limited to: clay statues, bowls, jewelry, etc. Pre-formed ceramics are not acceptable in this class. Stepping stones or painted rocks are not acceptable items for this class.

SF 50349 Visual Arts Wood— Any original item made of wood (carving, sculpture, collage, wood burning, etc.). Utilitarian wood items made from patterns or kits (such as outdoor or indoor furniture, shelves) should not be exhibited in Visual Arts Wood. Popsicle stick crafts are not acceptable for State Fair selection. If a 4-H member wants to exhibit wood items that have been partially or totally created through the use of laser cutting programs/devices, the member should be enrolled in the Computer-Generated Art project. All Visual Arts Wood exhibits MUST have an artistic element that the exhibitor can explain. Furniture built by the exhibitor aligns with the Woodworking project area – unless the element to be judged is wood carving or wood burning that is one element of the exhibit. Exhibits will be judged using a Visual Arts rubric and not a woodworking construction rubric.

Visual Arts Chalk/Carbon/Pigment

SF 50336 Canvas, Paper, Glass— Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc., on canvas, paper, or glass. This would include all painting, sketching, drawing, cartooning, original non-computer-generated graphics, printing, etc. Painted and/or glazed preformed ceramics and painted porcelain dolls are not eligible. See Visual Arts sub-section rules for hanging requirements.

SF 50352 Wood, Metal, Textiles— Any original art work done with pencils, chalk, pens, ink, paint, charcoal, dyes, etc., on wood, metal, or textiles. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible. Any exhibit created as a piece of wall art must be prepared for hanging.

SF 50340 Visual Arts Glass/Plastic—Any original item made of glass or plastic. Possible items to exhibit include stained glass, etched glass (original design), mosaics made of glass, glass beading, plastic jewelry (friendly plastic). Interlocking building block creations (such as LEGOS) are not suitable as entries. Stepping stones or wall hangings that include cement decorated with glass or plastic items are not suitable for this class.

SF 50342 Visual Arts Metal—Any original item made of metal, such as sculpture, tin punch, engraved metal, jewelry, etc. Items intended for industrial use (such as tools and/or shop items made from patterns) are not acceptable as a Visual Arts project. 4-Hers who want to make metal items that have been partially or totally created through the use of laser cutting programs/devices should be enrolled in Computer-Generated Art.

SF 50343 Visual Arts Nature—Any original item made of natural material, such as wreaths, corn husk dolls, etc. Candles are not suitable as entries. Items must be made of NATURAL materials (which may be purchased), but securing elements such as glue and wire may be used in the inner construction, as long as they do not detract from the overall "natural" appearance. Articles such as dried pressed flowers may be displayed under glass, since it is necessary for protection/preservation of the natural materials. Handmade baskets should be exhibited in Heritage Arts.

SF 50341 Visual Arts Heritage Arts—Exhibit an item of traditional art learned from another person or from a pattern (NO KITS). Non-original cross-stitched, knitted, and crocheted items by pattern fit in this class. ALL ORIGINAL cross-stitched, knitted and crocheted items should be exhibited in Fiber Arts; (machine knitted items are NOT acceptable for this class.) Other possibilities include: needlepoint, counted cross-stitch, crewel, embroidery, cut work, hardanger embroidery (embroidery openwork), macrame, baskets, candles, pysanki (decorated eggs), leather, quilts, baskets (made using a traditional pattern), traditional handmade dolls with handmade costumes, soaps made using nature dyes also can be made using hand-made molds or broken into chunks for display, or candles. No machine quilting allowed in Heritage Arts. Exhibitors must also bring 1) the pattern or a copy of the pattern they used to create their traditional art; and 2) a description of the traditional origins of their art choice.

SF 50338 Visual Arts Computer-Generated Art—Any original art created in any software package. Exhibit may not include scanned work, clip art, downloaded images from the internet, any imported image, or photographs. All pixels must be original. Photomosaics are NOT allowed. NOTE: Wood and metal exhibits created through the use of laser cutting programs/devices may be exhibited in this project. Plastic exhibits with an artistic focus created using a 3-D printer may be exhibited in this project. If the art created is designed to hang, then the entry should have some protective covering, such as a glass/frame, and be prepared for hanging. If the art is something that has been created with a laser cutting program/device and is NOT designed to hang, it does not require protective covering, nor does it need to be prepared to hang.

SF 50321 Visual Arts Leather—Exhibit **one** of the following options using leather: 1) *Leather Stamping*: Exhibit should utilize one or more stamping techniques – exhibit examples include items such as belt, coasters, bookmark, key chain, wrist bracelet, etc. 2) *Leather Carving or Tooling*: Exhibit should use simple swivel knife tooling techniques or may incorporate several swivel knife-tooling designs or patterns – exhibit examples include items such as belt, pictorial carving, key case, etc. 3) *Leather Lacing*: Exhibit to include stamping and/or carving techniques incorporated with lacing techniques – exhibit examples include items such as wallet, purse, etc. 4) *Leather Stitching*: Exhibit may include stamping; carving and/or lacing techniques and should be a leather item or article of apparel, which incorporates hand-sewing and/or machine stitching techniques which are also the work of the exhibitor.

SF 50348 Visual Arts Three-Dimensional Design/Mixed Media—Art pieces in this class must be comprised of at least three different media. No one medium can make up more than 40% of a piece. The piece should be either free-standing or should be prepared to be hung. It must be observable on at least three different sides. Originality and design are important concepts. Craft and pre-formed or assembled projects are not acceptable.

Visual Arts Scrapbooking—Exhibit one album or notebook, either 8 ½" x 11" or 12" x 12", with a front and back cover. The album/notebook must have a minimum of four pages (front and back), exhibited in page protectors. "Embellishments" are defined as the decorations or special details and features that add to a page and make it more visually appealing. Embellishments may include, but are not limited to, ribbon, clips, special lettering, etc.

SF 50345 Scrapbooking Beginning— Use a minimum of 4 embellishments and tell a story with pictures.

SF 50346 Scrapbooking Intermediate— Use a minimum of 8 embellishments and tell a story with pictures and journaling.

SF 50347 Scrapbooking Advanced— Use a minimum of 12 embellishments and tell a compelling story with pictures, journaling, and other media.

SF 50332 Food/Cake Decorating Beginning – Exhibit **one** of the following: 1) Exhibit four decorated cookies, using a minimum of four different techniques. Exhibit may use cookies OR cookie forms. OR 2) Exhibit four decorated cupcakes, using a minimum of four different techniques. Exhibit may use cupcakes OR cupcake forms. OR 3) Exhibit a single layer decorated cake, using a minimum of four different techniques. Exhibit may use cake OR cake form.

SF 50333 Food/Cake Decorating Intermediate – Exhibit **one** of the following: 1) Exhibit four decorated cookies, using a minimum of five Level 2 techniques. Exhibit may use cookies OR cookie forms. OR 2) Exhibit four decorated cupcakes, using a minimum of five Level 2 techniques. Exhibit may use cupcakes OR cupcake forms. OR 3) Exhibit a single layer or two-layer cakes, using a minimum of five Level 2 techniques. Exhibit may use cake OR cake form.

SF 50334 Food/Cake Decorating Advanced— Exhibit a decorated, stacked, multi-layer, or tiered cake, using a minimum of four Level 3 techniques. Exhibit may use cake OR cake forms.

SF 50335 Food Decorating Master – Exhibit to include a one-page written description of your project, including goals, plans, accomplishments, and evaluation of results. Include up to four pictures of your accomplishments AND exhibit an original design decorated cake using more than five techniques. Exhibit may use cake OR cake form.

SF 50331A Visual Arts Quilting – You Can Quilt - All exhibits should include a card which identifies the quilt as an original design created by the exhibitor or as a pattern created by someone else. Item may be quilted using any method – tie, hand, or machine quilted. All work must be completed by the 4-H member, including the quilting. Exhibit **one** of the following: 1) A Mini Quilt for a doll; OR a Quilt sized for an infant (maximum size of 48"x48"); OR 2) A Quilted Table Runner (width ranging from 15-18"; length ranging from 24-48")

SF 50331B Visual Arts Quilting – Quilting the Best Better— All exhibits should include a card which identifies if the quilt as an original design created by the exhibitor or as a pattern created by someone else. Item may be quilted using any method – tie, hand, or machine quilted. All work must be completed by the 4-H member, including the quilting. Exhibit **one** of the following: 1) Lap Quilt (width ranging from 48-60"; length ranging from 60-72"); OR 2) Large Quilted Wall Hanging (may be rectangular or square, sized larger than 48" x 48"). Hanging should include tabs or a pocket on the back in order for it to be hung; OR 3) Quilt that fits any size bed (Twin, Double, Queen or King).

F4H418 Visual Arts Other Non-Original Items—Any item made from a kit or non-original design (including any items that do not qualify to be exhibited in Heritage Arts). Judging will be based on overall craft work. Items exhibited in this category are not eligible for State Fair. 4-Hers enrolled in any Visual Arts project may exhibit in this category instead of (not in addition to) their specific media.

SF 50351 Visual Arts Ready 4 Life Challenge— (Open to those age 11 to 18 as of 9/1/21 enrolled in any Visual Arts project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype, or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.



4-H Code of Conduct and Consequences

The opportunity to participate in or attend 4-H activities is a privilege and not a right. All 4-H participants – youth, families, volunteers, and Extension staff – who participate in or attend any activity or event sponsored by the University of Illinois Extension 4-H Youth Development Program are expected to uphold the values of the Illinois 4-H program and conduct themselves according to the following standards. These standards also apply to online 4-H activity, including social media and internet presence.

Our first priority is to create a safe, inclusive space for learning, sharing, and collaboration that is welcoming to people from diverse backgrounds, cultures, and perspectives. Diversity includes, but is not limited to: race, color, religion, political beliefs, national or ethnic origin, immigration or citizenship status, sex, age, marital or family status, educational level, learning style, pregnancy, physical appearance, body size, and individuals with disabilities.

1. **Create a Welcoming Environment for All.** Encourage everyone to fully participate in 4-H. Recognize that all people have skills and talents that can help others and improve the community. Though we will not always agree, we must disagree respectfully. When we disagree, try to understand why.
2. **Bring Your Best Self.** Conduct yourself in a manner that reflects honesty, integrity, self-control, and self-direction. Accept the results and outcomes of 4-H contests with grace and empathy for other participants. Accept the final opinions of judges and evaluators. Be open to new ideas, suggestions, and opinions of others.
3. **Obey the Law.** Commit no illegal acts. Do not possess, offer to others, or use alcohol, illegal drugs, or tobacco products. Do not possess or use weapons or firearms except as expressly permitted as part of supervised 4-H shooting sports programming. Do not attend 4-H activities under the influence of alcohol or illegal substances.
4. **Honor Diversity – Yours and Others’.** Respect and uphold the rights and dignity of all persons who participate in 4-H programs.
5. **Create a Safe Environment.** Do not carelessly or intentionally harm or intimidate anyone in any way (verbally, mentally, physically, or emotionally). Do not engage in romantic displays or sexual activities in either public or private situations. Be kind and compassionate toward others. Do not insult, harass, or bully others or engage in other hostile behaviors. Be considerate and courteous of all persons and their property.
6. **Be a Team Player.** Work cooperatively with all individuals involved in 4-H programs and activities. Be responsive to the reasonable requests of the person in charge. Respect the integrity of the group and the group’s decisions.
7. **Participate Fully.** Participate in and contribute to planned programs, be on time and follow through on assigned tasks/responsibilities in a manner that fosters the safety, well-being, and quality of the educational experience for self and others. Have fun!
8. **Watch What You Wear.** Use good judgment. Wear clothing suited for the activity in which you will participate. Dress in a manner that is respectful to yourself and others. Clothing that displays or promotes violence, obscenity, illegal activities, discrimination, or intimidation is prohibited. Do not wear revealing clothing, such as short skirts or shorts, midriff-baring tops, or anything showing undergarments.
9. **Be a Positive Role Model.** Act in a mature, responsible manner, recognizing you are role models for others and that you are representing both yourself and the University of Illinois Extension 4-H Youth Development Program. Be responsible for your behavior, use positive and affirming language, and uphold exemplary standards of conduct at all 4-H activities.

BEHAVIORS THAT MAY RESULT IN REMOVAL FROM ACTIVITY

The University of Illinois Extension reserves the right to restrict participation in future activities for those individuals who have been removed from an activity for any behavior outlined in Category 1 or 2. In all cases, the participant will be responsible for restitution of any damages incurred by his/her actions.

Category 1

- a) Possession, use, or distribution of alcohol and other drugs*, including tobacco products.
*Prescription drugs must be listed on an Emergency Medical Information form.
- b) Theft or destruction of public or private property.
- c) Involvement in sexual misconduct or harassment.
- d) Possession or use of dangerous weapons or materials (including fireworks).
- e) Fighting or other acts of violence, actual or implied, that endanger the safety of the participant or others.

Category 2

- a) Willfully breaking curfew.
- b) Unauthorized use of vehicles.
- c) Leaving the site of the event.
- d) Participation in gambling.
- e) Absence from the planned program.
- f) Intentionally interfering with or disrupting the event.
- g) Use of profane or abusive language.
- h) Disregard for public or personal property.
- i) Public displays of affection or inappropriate actions.
- j) Failure to comply with direction of Extension personnel, including designated adults acting within their duties and guidelines.

Category 1 Consequences

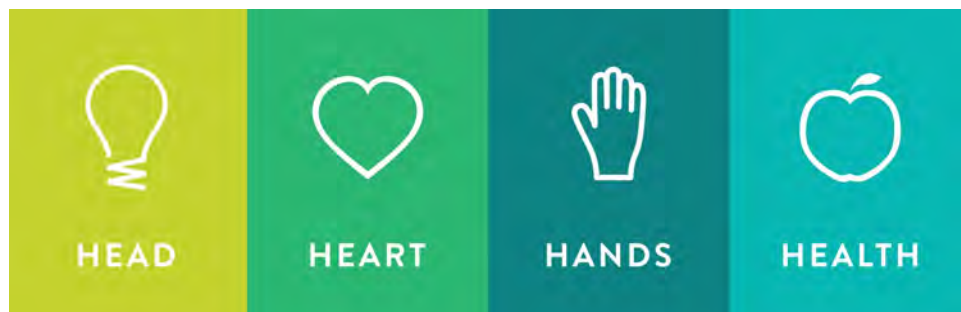
1. When notified of any of the actions listed under Category 1, the adult in charge will ascertain the relevant facts and, with concurrence from the U of I Extension staff, will notify the affected participant of the action and any supporting evidence. The participant will be allowed an opportunity to answer the allegations and, if necessary, law enforcement officials will be notified. While facts are being verified, the participant will be removed from the 4-H activity/event and be under direct supervision of an adult chaperone.
2. The parent or guardian will be notified of the behavior and must make arrangements for removal of the participant from the activity, at the parent's or guardian's expense.
3. Documentation must be completed on an "Incident Report Form."

Category 2 Consequences

1. When notified of any of the actions listed under Category 2, the adult in charge will ascertain the relevant facts and, with concurrence from the U of I Extension staff, will notify the participant of the action and any supporting evidence. The participant will be allowed an opportunity to answer the allegations and, if necessary, law enforcement officials will be notified. While facts are being verified, the participant will be removed from the 4-H activity/event and be under direct supervision of an adult chaperone.
2. The parent or guardian of the participants who violate curfew, use vehicles without authorization, or leave the site of the event (as outlined in Category 2, letters a, b, c) will be notified of the actions by the participant. The parent or guardian must immediately remove the participant from the activity, at the parent's or guardian's expense. Participants who exhibit conduct as described in Category 2, letters d-j, will receive a verbal and written warning (initialed by the adult and the participant). Upon receiving a second warning, the parent or guardian will be notified of the behavior and must make arrangements for removal of the participant from the activity, at the parent's or guardian's expense.



I pledge my head to clearer thinking,
My heart to greater loyalty,
My hands to larger service,
And my health to better living,
For my club, my community, my country, and my world.



Illinois Extension

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN