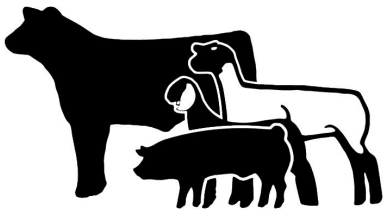


Cumberland County



2020



4-H

Handbook





February 7, 2020

Dear 4-H Family:

4-H is an organization for boys and girls 8 to 19 (by September 1, of current year) where boys and girls meet together to learn new skills, have fun, develop leadership abilities, and be better citizens.

Each 4-H member is required to pay a \$20 membership fee. This is a once a year fee. An individual can be in one club or multiple clubs for this same fee. For example, youth can join a traditional 4-H club and also join a SPIN (Special Interest Club) for the same \$20 fee. No family will exceed membership fees of \$60. Cloverbuds will pay \$10. Cumberland County Federation will cover the remaining \$10.

The 2020 4-H Hand Book is provided to assist you in preparing for this year's 4-H Fair. It identifies the 4-H projects, which may be exhibited, their various classes, and the rules & regulations governing their exhibition. Please read it thoroughly & carefully to prevent any misunderstanding or potential disappointment. The general rules & regulations at the beginning of the book and the specific regulations under each project are important.

The first book will be provided to each family at no charge. However, if you misplace your copy, you will be charged \$5.00 to obtain another copy. You will need this **before and during** the 4-H shows. Please **read and keep** it where you will be able to find it. Entry forms are required for all projects. **Double check time and exhibit requirements for your projects. Be prompt in meeting entry deadlines for exhibiting projects at the 2020 4-H exhibitions.**

4-H Shows are educational activities for 4-H members to demonstrate their accomplishments to the community. Your exhibits should be prepared to the best of your ability.

If you need a reasonable accommodation to participate in the 4-H Show(s) (Fair), please contact the University of Illinois Extension Office in Toledo at 217/849-3931, P.O. Box 218, 102 S. Meridian St., Toledo, Illinois 62468, at least two weeks prior to the event.

Tax Implications for Prizes, Gifts or Awards

To be in compliance with Internal Revenue Service rules regarding premium payments, 4-H'ers who receive premiums totaling \$100 or more within a calendar year are required to provide their Social Security Number (SSN) prior to receiving the premium check. A letter will be sent to 4-H'ers affected by their rule prior to the release of premiums.

4-H is a program in which we can all learn from positive experiences.

Sincerely,

Kim Morrison
Youth Educator

Jaylynn Schober
4-H Program Coordinator



I ILLINOIS

Extension

**COLLEGE OF AGRICULTURAL, CONSUMER
& ENVIRONMENTAL SCIENCES**



The purpose of 4-H is to provide learning experiences and opportunities for boys and girls that will help them grow and develop to their fullest potential. Projects, programs and activities are tools used to help members gain important life skills. More specifically, 4-H objectives are to help young people to:

- Acquire skills and knowledge in subject matter areas;
- Develop a positive self-image;
- Learn to respect and get along with people;
- Develop leadership skills and fulfill leadership roles;
- Develop and practice responsible environmental skills;
- Use accepted practices for mental, physical, emotional and social health;
- Explore and evaluate career and job opportunities;
- Use leisure time productively;
- Participate in community affairs;
- Develop volunteers as individuals and leaders for 4-H and the community.

The 4-H Motto is “To Make the Best Better.” This means each person will do the “best” he or she possibly can and then try to improve on that effort the next time the project or task is attempted. Thus, the 4-H members’ original “Best” becomes even “Better”.

The 4-H Pledge summarizes what 4-H is all about. 4-H has as its goal the four-fold development of youth: Head, Heart, Hands and Health. Most 4-H members try to live up to the promises they make in the 4-H Pledge.

I Pledge:

My Head to clearer thinking,
My Heart to greater loyalty,
My Hands to larger service,
My Health to better living,
for my club, my community, my country and my world.

University of Illinois Extension, Cumberland County

102 S. Meridian St., P.O. Box 218

Toledo, IL 62468

217-849-3931 (phone) 217-849-2411 (fax)

Doug Harlan, Interim County Director

Kim Morrison, Extension Educator, 4-H Youth Development

Jaylynn Schober, 4-H Program Coordinator

Kathy Deters, Office Support Associate

SCHEDULE OF 4-H EVENTS

Entries for all 4-H shows are due by 4:30 PM on June 1.

June 6, Saturday 10:00 AM – Public Speaking Contest, Toledo Volunteer Depot
July 9, Thursday 3:00 PM – Foods & General Projects Show, Toledo Christian Church

The following shows will be on the Cumberland County Fairgrounds unless otherwise stated.

July 16, Thursday 6:00 – 8:00 pm Livestock weigh-in

July 17, Friday 8:00 am Sheep Show
4:00 pm Cat Show
5:00 pm Rabbit Show
7:00 pm Poultry Show

July 18, Saturday 8:00 am Swine Show
11:00 am Beef Show
5:00 pm Junior Master Showmanship
6:30 pm Family Fun Night

July 19, Sunday 12:00 pm Goat Show
3:00 pm Celebrity Showmanship
5:00 pm Small Pet Showcase
6:00 pm Master Showmanship

July 20, Monday 10:00 am Dog Show
2:00 pm Llama/Alpaca Show
6:00 pm Carcass Show, Hartrichs – St. Marie

July 21, Tuesday 9:00am Horse Show, Destiny Horse Boarding
5:30 pm – Awards: Helping Hand & Cleanest Pen; Carcass Class Checks
6:00 pm Auction

Location of 4-H Exhibitions

Foods & General Show

Toledo Christian Church
501 S. Maryland Street
Toledo, IL 62468

Public Speaking Contest

Toledo Volunteer Depot
Across from Casey's
Toledo, IL 62468

Livestock and Small Pets

Cumberland County Fairgrounds
Greenup, IL 62428

Carcass Show

Hartrich's Meats
326 Embarras St.,
Sainte Marie, IL 62459

Horse Show

Destiny Horse Boarding
1485 NCR 1900 E
Charleston, IL 61920

Non Auction livestock will be dismissed **AFTER** the 4-H shows on Sunday, July 19. There will also be **NO** livestock being removed during the Master Showmanship Contest.

Barn cleanup can begin immediately following livestock removal. All clean-up must be completed following the livestock auction.

**ABSOLUTELY NO ALCOHOL IS TO BE ON THE FAIRGROUNDS
DURING THE 4-H FAIR.**

4-H PREMIUMS

The Agricultural Premium Fund is authorized under the Agricultural Fair Act and administered by the Illinois Department of Agriculture Bureau of County Fairs. The 4-H portion of the Agricultural Premium Fund is administered by University of Illinois Extension. To be eligible to receive 4-H premiums (monetary award) 4-H members must be enrolled in a premium eligible project ***and*** exhibit their completed project during Cumberland County 4-H public exhibitions.

Premiums will be provided based on available funds.

Disclaimer: "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 amounts may not be accurately reflected in this Premium Book."

In years when premium checks are issued, 4-H'ers have 60 days, from the date listed on the check, to cash the check. Premium checks will be null and void after the 60 days and will not be reissued.

NOTE: Only one premium is paid per class through the 4-H Ag Premium Fund to eligible 4-H'ers.

There are two classifications of projects—Premium Eligible Projects and Non Premium Eligible Projects. Premium Eligible Projects are state approved projects with a public exhibit opportunity. Cumberland County 4-H uses an X factor to calculate premiums. Each Premium Eligible Project is classified into one of three premium categories. Below is a table that shows the values of “Blue”, “Red”, and “White” ratings in each of the three categories.

Category	Rating		
	Blue	Red	White
Category I	0X	0X	0X
Category II	3X	2X	1X

Thus a “Blue” rating in Category II is worth three times as much as a “White” rating in that same category. A summary of what category projects are in is listed below. Every attempt has been made to place projects in appropriate categories. Any exclusions are simply an oversight.

Category I Non Premium Eligible Projects—All county level projects and Cloverbud exhibits

Category II Premium Eligible Projects—Aerospace, Beef, Bicycles, Camping, Cats, Citizenship, Clothing and Textiles, Communications, Computer Science, Consumer Ed, Crops, Dairy Cattle, Dogs, Electricity, Entomology, Food and Nutrition, Forestry, Geology, Geospatial, Goats, Health and Fitness, Horse & Pony, Horticulture, Intercultural, Intergenerational, Interior Design, Leadership, Natural Resources, Photography, Plant and Soil Science, Poultry, Rabbits, Robotics, Sheep, Small Engines, Small Pets, Swine, Theater Arts, Tractor, Veterinary Science, Video, Visual Arts, Welding, Woodworking, Clover Challenge
Premium Eligible Group Projects—Citizenship Public Adventures, Passport to the World

Tax Implications for Prizes, Gifts or Awards

To be in compliance with Internal Revenue Service rules regarding premium payments, 4-H'ers who receive premiums totaling \$100 or more within a calendar year are required to provide their Social Security Number (SSN) prior to receiving the premium check. A letter will be sent to 4-H'ers affected by this rule prior to the release of premiums.

BEHAVIOR GUIDELINES AND CODE OF CONDUCT FOR 4-H EVENTS & ACTIVITIES

4-H CODE OF CONDUCT

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, gender identity and expression, transgender status, sexual orientation, 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 which include e-pens, e-pipes, e-hookah, e-cigars, JUULs, vapes, vape pens or other electronic nicotine delivery systems., . 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 activities. 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.

CONSEQUENCES

Any of the following may be used, depending on severity of the situation:

1. Participant will receive a verbal warning.
2. Participant may remain at the event/activity, but may be barred from future events.
3. Participant may be asked to leave the event/activity. If the participant is a youth, the parent(s) will be called and the youth will be sent home at family's expense.

DISCIPLINARY ACTIONS RELATED TO 4-H CODE OF CONDUCT

The Illinois 4-H Code of Conduct has been established to provide a safe environment for 4-H members and guests at various 4-H programs, events and activities on the local, regional, state, and national level. The Code of Conduct has been approved by University of Illinois Office of Legal Counsel and outlines established disciplinary actions that are to be followed by the Extension staff and/or volunteers who are in charge of the event or activity. Should additional guidelines be developed for a specific event or activity, those guidelines must be reviewed and approved by Extension staff. Youth, their parent(s) and/or guardian(s), and adults who will be participating in programs, events or activities should be provided with a copy of the Code of Conduct in advance of the event and sign a release acknowledging that they have read the Code and understand the disciplinary actions that will occur should the child's conduct be inappropriate. The following conduct will not be allowed by any participant in 4-H programs, activities or events and is subject to disciplinary action:

Category 1

- a) Possession, use, or distribution of alcohol and other drugs*including tobacco products which include e-pens, e-pipes, e-hookah, e-cigars, JUULs, vapes, vape pens or other electronic nicotine delivery systems.
- 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.

*Prescription drugs must be listed on an Emergency Medical Information form.

Consequences:

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 Category 2. In all cases, the participant will be responsible for restitution of any damages incurred by his/her actions.

Category 1:

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:

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.

Except in an emergency situation, a 4-H volunteer is expected to consult with the Extension Unit staff before responding to or taking action for misconduct that may result in removal from a specific activity. Whenever the health or safety of others is jeopardized by the actions of a 4-H participant, the volunteer should take the necessary actions to safeguard the wellbeing of the participants and/or volunteers. This may include immediately adjourning the meeting or activity and contacting appropriate law enforcement authorities. In cases of minor misconduct, the 4-H volunteer will warn the offender and/or provide the examples of misconduct along with a warning that continued misbehavior will result in specific consequences. Any emergency action taken by a 4-H volunteer should be reported immediately to the Extension Unit staff. An incident/accident report should be filed with the County Director.

Under defined circumstances; Extension employees or designees may conduct a search and seizure of an illegal item or an item in violation of 4-H policy, providing the search is based on “reasonable” suspicion. A law enforcement official must be called whenever it is believed that a complaint or situation represents a serious or imminent risk of harm. Program participants must be informed in advance that such searches may be conducted. The participants and the participant’s parent/guardian must have provided consent. Any inspections will be conducted in a reasonable manner and limited in scope to only such areas or items as deemed necessary based upon the information leading to the inspection. Under no circumstances should search of pockets or searches requiring removing clothes or touching of the member’s body be conducted.

Parents are expected to set a positive example by enforcing and abiding by the above rules.

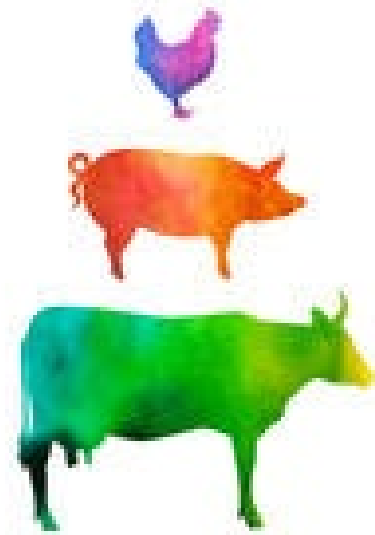
ENROLLMENT AND 4-H SHOW RULES & REGULATIONS

NOTE: In addition to the general 4-H Rules & Regulations listed here, rules applying to specific divisions appear in the divisional listings.

1. Any person, regardless of race, color, religion, gender, national origin, ancestry, marital status, familial status, sexual orientation, or disability may participate in 4-H programs. Youth who are 8 years of age or in third grade & have not reached their 19th birthday on or before September 1 of the current 4-H year may enroll in a 4-H club. Extension units may allow 4-H enrollment by boys & girls who are 5, 6 or 7 years of age on or before Sept. 1 of the 4-H year. This is a unit decision. If 4-H enrollment is offered to 5-7 year olds, they must be enrolled as 4-H CLOVERBUD members.
2. Members must have been enrolled at the beginning of the club season, or no later than **May 1**, for new members, of the current 4-H year to be eligible to exhibit at Cumberland County 4-H exhibitions. It is required returning 4-H’ers enroll at the beginning of the 4-H year and regularly attend club meetings throughout the year.
3. After initial enrollment in 4-H, members must re-enroll every year to retain an active 4-H member status.
4. A \$20 per year 4-H Program Fee is applied to members who are part of a sustained 4-H experience. This includes youth enrolled in 4-H clubs, special interest groups (SPIN), Cloverbud groups and after-school clubs. No child will be denied the opportunity to participate in 4-H due to his/her inability to pay the 4-H Program Fee. Extension staff will confidentially handle any requests for assistance with the 4-H Program Fee.
5. Member must attend 2/3 of the club meetings after enrollment *and* meet the requirements suggested in the local leader’s handbook. Attendance requirements for returning members are based on the number of regularly scheduled club meetings September 1 through June 30. For new members, attendance will be determined according to their enrollment date.
6. Member and Project Enrollment Forms are due in the Extension office by 4:30 p.m. on May 1 to be eligible to exhibit at the county shows. 4-H Enrollment is open all year long for any new member to join. The May 1 deadline is for fair/county show participation.
7. **Entries for all 4-H Shows are due by 4:30 p.m. on June 1.** Fair entries will be done online this year. Instructions for completing fair entries will be sent to 4-H families and leaders.
8. 4-H’ers may exhibit only in project areas in which they are enrolled. Enrollment is a matter of signing up for the projects in 4Honline under the participation tab. Projects will rollover each year. 4-H age is calculated as of September 1 of the calendar year.
9. Conference judging is the preferred method of evaluation at 4-H exhibitions. This requires 4-H members to be present to share in the evaluation of their project work.

10. The Danish System will be used to evaluate 4-H exhibits. This system distinguishes between excellent, good and fair exhibits and awards a Blue, Red or White award respectively. Ratings will be assigned on an individual basis according to project quality. A single entry in a class does not insure that exhibit of a blue award.
11. 4-H'ers may enter and exhibit only 1 entry per project, except in livestock.
12. 4-H Cloverbud members (age 5-7) may only show in the Cloverbud Club Display. Cloverbuds may participate at the Cumberland 4-H Fair as non-competitive exhibitors and not receive premiums.
13. 4-H judges have been carefully selected. All persons entering & exhibiting in the 4-H Show agree to abide by the decisions of the judges.
14. Plaque & state fair delegates are the discretion of the judges. The judge's decision is final.
15. If you need a reasonable accommodation to participate in the 4-H Shows, contact University of Illinois Extension, Cumberland County Office.
16. All exhibits must be the project work of the member. Members must do their own work at all Cumberland County 4-H Shows, and at the State Fair.
17. Only members of Cumberland County 4-H clubs are eligible to show in Cumberland County exhibitions.

Livestock



4-H Livestock Show Attire

The 4-H shows can be so much fun that sometimes we forget how important it is to look our best when exhibiting our project(s). This does not mean that you need to be in new or dressy clothing. This means:

- Be neat and clean
- Take hats off while showing projects (judges like to see face when talking to you)
- Have hair combed
- Wear close toed shoes in the ring (no sandals or flip flops)
- Wear jeans or khakis
- Wear shirts with sleeves (no spaghetti or tank tops)

Neat appearances will not only make you feel better, it will impress the judge too. Let's try our best, learn all that you can, and have fun when showing your projects.

County Livestock Rules and Regulations

NOTE: The term “livestock”, as used in the 4-H Rules & Regulations, includes all beef, cats, dairy, dogs, goats, horse and pony, llamas and alpacas, poultry, rabbits, sheep, and swine.

1. Animals must be owned by member or immediate family (brothers, sisters or parents). Leasing will be allowed only in the llama and horse and pony project.
2. 4-H'er must show own animal; only death in immediate family, sickness of individual, military service, illness in family, school related activity, or similar activity is excusable. If a 4-H'er is excused due to one of excusable reasons, the 4-H'er must complete the following requirements:
 - A. Essay
 - a. Age 8-11 minimum of one written page. Hand written is acceptable.
 - b. Age 12-14 minimum of one typed page, 12 pt font, Times New Roman, double spaced.
 - c. Age 15-19 minimum of two typed pages, 12 pt font, Times New Roman, double spaced.
 - B. 4-H'er must complete all project requirements
 - C. Extension Office must be contacted 48 hours in advance, if possible, for reason not attending. The office must approve the reason.
 - D. Member must contact Extension Staff to inform of absence.
3. Each 4-H'er showing small animals or poultry, llama/alpaca, rabbits, dogs, cats, and horses **MUST** participate in the quality assurance and ethics certification (QAEC) online training. This is a one-time requirement and must be completed prior to showing at the Cumberland County 4-H fair. The website allows 4-H'ers to move easily among six different modules. The web certification is approved by the Illinois State Fair Junior Livestock Advisory Committee. Visit <http://web.extension.illinois.edu/qaec/> to complete your certification. **This rule applies to 4-H members who exhibit live animals and/or static poster exhibits.** Extension staff will verify completion of QAEC. 4-H'ers who DO NOT complete QAEC will not be allowed to exhibit their small animals or livestock project.
4. Each 4-H'er showing beef, dairy, goats, sheep, or swine **MUST** participate in the Youth for the Quality Care of Animals (YQCA) training. This is a **YEARLY** requirement and must be completed prior to showing at the Cumberland County 4-H fair. Visit <https://yqca.learnrow.io/Account/Login> to complete your certification or enroll for an in-person training. Extension staff will verify completion of YQCA. 4-H'ers who DO NOT complete YQCA will not be allowed to exhibit their livestock project.
5. All pens will be assigned by the extension staff unless other arrangements are made by extension staff. 4-H'ers must follow posted assignments.
6. All 4-H'ers are to keep llama, sheep, cattle, swine and goats in 4-H barns unless other arrangements are made by extension staff.
7. Record books should be kept up to date at all times for show earnings. You **ARE** required to bring your record book to the county livestock show. At the end of the 4-H year, your leader will set a date when 4-H records should be completed and turned in.
8. Each exhibitor must register with the Superintendent in charge at the time he/she brings his/her exhibits to the barn or to the show building. **LIVESTOCK HEALTH CERTIFICATES AND EAR NOTCHES/TATTOOS WILL BE CHECKED AT THIS TIME. ANIMALS WILL BE SENT HOME IF MARKINGS DO NOT MATCH THOSE OF NOMINATION FORMS.**
9. **IMPORTANT:** All livestock must pass a health inspection as required by the State Department of Agriculture. This information is provided to you well in advance of the Show. **DO NOT** bring your animals unless you have certificates showing they have been inspected, vaccinated, or tested as required. Sheep do NOT have to be dipped. A veterinarian will check health papers at time of check-in.

10. All livestock exhibits are to be on the fairgrounds on date and time stated in 4-H Handbook.
EXCEPTION: rabbits, poultry and horses are to be brought to the fairgrounds the day of their show and returned home following exhibition.
11. All 4-H livestock not included in the Auction may be removed Sunday afternoon **following the conclusion** of Cumberland County 4-H Shows, no earlier than 5:00 P.M. **Extension Staff should be notified before removal of any and all animals at this time.** Exceptions to this rule need to be made in writing to the extension office at least two weeks in advance of the fair. Poultry, rabbits and horses are the **only** species allowed to be removed from the fairgrounds at the conclusion of their show.
12. 4-H'ers who remove their animals from the fair early, without prior approval, will forfeit all trophies.
13. Weighing will be done upon the arrival of the animals on date and time stated in the 4-H handbook.
14. 4-H'ers are responsible for caring for the livestock they are exhibiting at the fair, including feeding, watering, & bedding.
15. The condition of animals at show time is very important. Hogs should be washed before entering the show ring. Dairy, beef and goats should be cleaned, brushed and clipped where this pertains. Sheep breeds that are normally blocked should be blocked prior to entering the show ring.
16. Preparation of animals during Show Day is to be done by 4-H MEMBERS ONLY! Fitting instructions are available from your local club leader or from the county extension office.
17. Clean-up will be conducted and completed immediately following the auction. All exhibitors are expected to assist with clean-up.
18. Before leaving the grounds, pens/stalls must be cleaned and all bedding must be removed.
19. REMEMBER, washing facilities are outside, not inside, the barn.
20. Judges have the right to disqualify entries which do not meet exhibition requirements.
21. Purebred livestock may be shown as a crossbred **or** as a purebred.
22. Any market designated animal, such as beef steer, market lamb, market hog and dairy steer, must be permanently marked at the previously announced time and place. NO EXCEPTIONS!!
23. If a 4-H'er is unable to show their animal at the Cumberland County 4-H Fair, they can have a current enrolled 4-H member show their animal. Non Cumberland County 4-H members are not allowed to show animals at the Cumberland County 4-H Shows. Parents are also not allowed to show 4-H members' animal(s) in their absence.
24. Questions and discrepancies will be handled by thorough discussion of all available superintendents of the agricultural portion of the 4-H show.

Livestock Move In Times

To help keep the weigh-in an efficient process, this year move in times will be implemented. All the animals of that specie must be moved in by the designated time below. Animals can be moved in any time before the time listed below, but **MUST** be present on the fairgrounds by designated time.

6:30 p.m.All beef moved in

7:00 p.m. All goats moved in

7:30 p.m.Sheep and llama/alpaca moved in

8:00 p.m.All swine moved in

2020 Steers, Market Heifers, Barrows, Wethers, & Meat Goats

Birth, Ownership and Tattoo Dates for Illinois State Fair Junior Show

STEERS:

- Calved on or after January 1, 2019
- Owned & personally cared for by exhibitor since – February 1, 2020

BARROWS: Regular Barrows

- **Farrowed on or after January 1, 2020** and must be the property of the exhibitor by June 1, 2020.
- No weighing and tattooing required but must submit ear notches when making entry for ISF

BARROWS: Premiere Barrows

- **Farrowed on or after February 10, 2020** and must have been the property of the exhibitor by June 1, 2020
- Weighed and Tattooed **with Box A tattoo** from February 10 to April 15, 2020
- Tattooed within 35 days of birth and not weigh more than 1.0 lbs/day of age
- Junior exhibitors can purchase pre-nominated barrows

SHEEP Market Wethers & Market Ewe Lambs: Live Show Wethers – No more Regional check-in sites – New nomination format

- **Lambled on or after January 1, 2020**
- Ownership Date – May 15, 2020
- **Self-nomination as follows: Nominations must be signed by local Extension Office.**
- **Exhibitors fill out and send in nomination form with photo of lamb's ear with scrapie tag installed in ear (close up photo of ear so scrapie tag can be read). This must be completed between March 15 and May 15, 2020. Send to Dan Jennings, Region 1 Office, 1100 E., Warrenville Rd., Suite 170, Naperville, IL 60563.**

Jr. and Open Premiere Wether & Ewe lambs: - Weigh-in, tattoo, and nomination procedures:

- Junior and open premiere lambs will be nominated, tattooed, and weighed at the county level.
- **Premiere lambs must be weighed and tattooed with the Box A tattoo followed by a number starting with 1 - This must be witnessed by a local Extension employee or a person they designate, such as a volunteer or local sheep superintendent.**
- **Completed nomination forms must be signed by the local Extension Office.**
- **Send nomination forms to Dan Jennings (address above).**
- **Ownership and nomination deadline is March 15 to May 15, 2019.**
- **Lambled on or after January 1, 2020**

Meat Goat Wethers: Live Show Wethers – No more Regional check-in sites – New nomination format

- **Wethers – Born on or after October 1, 2019**
- Ownership dates for Kids & Yearlings not in milk – May 15, 2020
- **Self-nomination as follows: Nominations must be signed by local Extension office.**
- **Exhibitors fill out and send in nomination form with photo of goat's ear with scrapie tag installed in ear (close up photo of ear so scrapie tag can be read). This must be completed between March 15 and May 15, 2020. Send to Dan Jennings, Region 1 Office, 1100 E. Warrenville Rd., Suite 170, Naperville IL 60563**

2020 Breeding Animals

Birth & Ownership Dates for Illinois State Fair Junior Show

BEEF – HEIFERS AND COWS:

Heifers

- Age requirement is from September 1, 2018 to March 31, 2020 (*w/ addition of Senior Yearling class*)
- Owned and personally cared for by exhibitor since June 1, 2020

Performance Cows

- Cows must be born before September 1, 2018 (*Cow-Calf Class only*)
- Owned and personally cared by exhibitor since January 1, 2020

SWINE – GILTS:

- Age requirement is farrowed on or after January 1, 2020
- Owned by exhibitor since June 1, 2020

SHEEP – EWES & RAMS:

- Age requirement for yearling ewes is from January 1, 2019 to August 31, 2019
- Age requirement for ewe lambs is after September 1, 2019
- Age requirement for ram lambs is after January 1, 2020
- Owned and personally cared for by exhibitor since June 25, 2020

DAIRY – COWS AND HEIFERS:

- No age requirements
- Calves and Heifers – Owned since June 1, 2020
- Cows – Owned since January 1, 2020

HORSE AND PONY:

- **On or before June 1** – Copies of the ownership and/or lease papers, State Fair Entries, and one set of photos sent to Donna Miller at: Illinois State Fair Entry Department, P.O. Box 19427, Springfield IL, 62794-9427.

DOGS:

- Dogs must be owned or leased by June 1, 2020
- At this time, no paperwork is required to be on file. Make entries via 4-H online.

DAIRY GOATS:

- Kids and Yearlings not in milk must be owned by exhibitor only by June 1, 2020.
- Milking Does must be owned by exhibitor only by January 1, 2020.

MEAT GOATS

- All meat goats (wethers and all breeding animals) are to be owned by exhibitor only by May 15, 2020.

RABBITS, PYGMY GOATS & POULTRY:

- Animals in these species that are to be exhibited at the ISF Jr. Show must be owned by the exhibitor as indicated: Does -- By June 1 of the year exhibiting; All others -- Out of stock owned by the exhibitor prior to June 1.

JUNIOR SHOW GENERAL ELIGIBILITY RULES

1. Exhibitors in the Junior *Livestock* Division of the Illinois State Fair must be enrolled in Illinois 4-H and/or FFA as determined by the established guidelines of those programs. Exhibitors in the Junior Show *4-H Exhibit* Division must be Illinois 4-H members in accordance with program guidelines.
2. Age Requirements: 4-H members aged 8-18 as of September 1, 2019 are eligible to participate in the Illinois State Fair Junior Department.

State and County Fair Health Requirements

All 4-H members must follow the health guidelines of the Illinois Department of Agriculture Bureau of Animal Health and Welfare when exhibiting any livestock at county and state fairs in Illinois. Those guidelines are updated annually. The 2020 guidelines will be found online

@ <https://4h.extension.illinois.edu/programs/animal-sciences/livestock-issues> . You can also call the office to request a copy be mailed to you.

For Health Requirement Information:

**Illinois Department of Agriculture Bureau of Animal Health and Welfare State
Fairgrounds P.O. Box 19281 Springfield, IL 62794-9281
Phone (217) 782-4944**

Showmanship contest

Livestock showmanship classes are open to 4-H exhibitors whose animal are part of the 4-H project and entered in at least one livestock class. Members must enroll in the showmanship class on FairEntry. Premiums will be paid out for showmanship. Showmanship will be offered with all species - except poultry and rabbits - exhibited at the 4-H fair. A Champion and Reserve Champion will be selected in each division. There will be two divisions of Showmanship—Junior Division and Senior Division.

Junior Division – 3rd to 8th grade of the current 4-H year

Senior Division – 9th grade and older

County Livestock Divisions

BEEF

1. Entries in the Beef Division must have been owned and personally cared for in accordance with the following rules:
 - a. Beef cows and heifers must be owned before June 1 of the current year.
 - b. Beef market animals must be owned by February 1 of the current year.
2. All market steers and heifers will be tattooed in February on the announced date. Market Beef exhibited at the 4-H Show must match the tattoo given in February. **If a positive identification cannot be made, the market beef will not be allowed to show.**
3. Each exhibitor is limited to a maximum number of two entries per class. Premiums will only be paid out to one entry in each class.
4. A Certificate of Veterinary Inspection must accompany **all** breeding stock and market heifers over six months old.
5. All purebred animals must be registered. Registration papers **may** be checked. If no papers are available, animals will be shown in commercial classes.
6. Animals must be owned by exhibitor.
7. No leasing allowed.
8. All animals will be re-weighed & have their ear tag & tattoo numbers checked at the time of unloading at the 4-H fair.
9. Entries must be made by *designated date*.
10. Steer weight classes and market heifer classes will be divided by average weight, and distributed between light, medium and heavy weights.
11. The same animal can be used from the market steer or market heifer class, or an additional steer or market heifer may be shown for the rate-of-gain class.
12. Completed Youth for the Quality Care of Animals (YQCA) training. See County Livestock Rules and Regulations section, page 12, rule 4.
13. No horns allowed on animals shown in the beef division.
14. Superintendents reserve the right to bar any animal from showing in the ring if the animal cannot be managed safely. However, it will be viewed by the judge and graded.

Beef Classes

Class 1 - Junior Heifer Calf, calved after January 1, of current exhibition year.

NO BULL CALVES AND NO BREEDING ANIMALS SHOWN IN THIS CLASS.

Class 2 - Senior Heifer Calf, calved between September 1, of year preceding current exhibition year, and December 31, of year preceding current exhibition year.

Class 3 - Summer Yearling Heifer, calved between May 1, of year preceding current exhibition year, and August 31, of year preceding current exhibition year.

Class 4 - Junior Yearling Heifer, calved between January 1, of year preceding current exhibition year, and April 30, of year preceding current exhibition year.

Class 5 - Senior Yearling Heifer, calved between September 1, two years preceding current exhibition year, and December 31, two years preceding current exhibition year.

Class 6 - Cow any age

Class 7 - Feeder calf, (heifers or steers only), calved after January 1, of current Exhibition year, but not later than April 15, of current exhibition year, (NO BULL CALVES). No breeding animals shown in this class.

Class 8 - Cow and Calf Pair. A Cow of any age and a calf born after January 1 of the current year.

Class 9 - Market Heifer (Animals in this class will be eligible for sale in the auction and may not be shown in any other class.)

Class 10 - Dairy Steer

Class 11 - Market Steer, weight to be divided according to entries.

Class 12 - Rate-of-Gain Steer

DAIRY DIVISION

1. All cattle exhibited must meet the Illinois Livestock regulations on health.
2. Each exhibitor is limited to two entries in each class. Premiums will only be paid out to one entry in each class.
3. All animals must be registered in the 4-H member's name.
4. No leasing allowed.
5. All animals will be re-weighed & have their ear tag & tattoo numbers checked at the time of unloading at the 4-H fair.
6. Entries must be made by *designated date*.
7. Completed Youth for the Quality Care of Animals (YQCA) training. See County Livestock Rules and Regulations section, page 12, rule 4.
8. Superintendents reserve the right to bar any animal from showing in the ring if the animal cannot be managed safely. However, it will be viewed by the judge and graded.

Dairy Cattle Classes

Class 1 - Junior heifer calf, born on or after December 1, of year preceding current exhibition year.

Class 2 - Senior heifer calf, born between September 1, of year preceding current exhibition year, and November 30, of year preceding current exhibition year

Class 3 - Junior yearling, born between March 1, of year preceding current exhibition Year, and August 31, of year preceding current exhibition year.

Class 4 - Intermediate yearling, born between December 1, two years preceding current exhibition year, and February 28, of year preceding current exhibition year.

Class 5 - Senior yearling, born between September 1, two years preceding current exhibition year, and November 30, two years preceding current exhibition year.

Class 6 - Cow under 4 years old, born after September 1, four years preceding current exhibition year.

Class 7 - Cow 4 years and older, born before September 1, four years preceding current exhibition year.

GOAT DIVISION

1. Ownership Dates.
 - All breeding does must have been owned before January 1 of the current year.
 - All doe kids and yearlings not in milk must have been owned by June 15 of the current year.
 - All wethers must be owned by May 1 of current year.
2. All wethers must be born September 1 of previous year to May 1 of current year. Doelings may be born up until June 15 of current year, none younger than 6 weeks by fair date.
3. Animals must be owned by exhibitor.
4. No leasing allowed.
5. A Certificate of Veterinary Inspection must accompany goats. A veterinarian must inspect the animal(s) within 90 days of time of exhibit in the state of Illinois.
6. Exhibitors may make 2 entries per class, except in the Dam/Daughter classes which are limited to one entry. Exhibitors are not limited to one breed. Premiums will only be paid out to one entry in each class.
7. Entries must be made by *designated date*.
8. No bucks over 6 months will be shown in the 4-H Goat Show.
9. Class 7 - wethers must tag at scale and weigh no less than 15 lb. each.
10. Completed Youth for the Quality Care of Animals (YQCA) training. See County Livestock Rules and Regulations section, page 12, rule 4.

Goat Classes

Pygmy Classes

- Class 1 – Buck Kid under 6 months - males: (Must be born after January 19 of Current 4-H year.)
- Class 2 – Doe kid under 6 months
- Class 3 - Doe over 6 months, but under 1 year. (No bucks allowed.)
- Class 4 - Doe 1 to 2 years of age.
- Class 5 - Doe 2 years and under 3 years
- Class 6 - Doe 3 years and over
- Class 7 - Dam/Daughter
- Class 8 - Pygmy Market Wether (Must be born September 1 of the year prior to current 4-H year.) (Wethers showing in Class 1 are not eligible in this class.)

Dairy Classes

- Class 1 – Buck Kid under 6 months - males: (Must be born after January 19 of Current 4-H year.)
- Class 2 – Doe kid under 6 months
- Class 3 - Doe over 6 months, but under 1 year. (No bucks allowed.)
- Class 4 - Doe 1 to 2 years of age.
- Class 5 - Doe 2 years and under 3 years
- Class 6 - Doe 3 years and over
- Class 7 - Dam/Daughter
- Class 8 - Dairy Market Wether (Must be born September 1 of the year prior to current 4-H year.) (Wethers showing in Class 1 are not eligible in this class.)

Meat Classes

- Class 1 – Buck Kid under 6 months - males: (Must be born after January 19 of Current 4-H year.)
- Class 2 – Doe kid under 6 months
- Class 3 - Doe over 6 months, but under 1 year. (No bucks allowed.)
- Class 4 - Doe 1 to 2 years of age.
- Class 5 - Doe 2 years and under 3 years
- Class 6 - Doe 3 years and over
- Class 7 - Dam/Daughter
- Class 8 - Meat Market Wether (Must be born September 1 of the year prior to current 4-H year.) (Wethers showing in Class 1 are not eligible in this class.)

HORSE AND PONY DIVISION

1. Exhibitor will be limited to one entry in each class.
2. A horse being exhibited in the Horse and Pony project area must be trained and cared for by the exhibitor. The horse may be either owned or leased by the exhibitor or their immediate family. Proof of ownership/leasing, along with pictures (front and back of both sides), are to be submitted to the Extension Office no later than May 1.
3. Leasing will be allowed in the Cumberland County 4-H Show. Lease papers are available at the Cumberland County Extension Office.
4. No stallion will be shown with exception of foal class.
5. Exhibitors must present a negative Coggins test certificate for each animal the day of the show.
6. Entries in the “Age of Exhibitor” classes (13 and under), (14 and over) are to be made using the exhibitor’s age as of September 1 of the current 4-H year.
7. An exhibitor (inexperienced rider) entering the “Walk and Trot” class may not enter the following classes: Western Pleasure (pony & horse classes) and Horsemanship.
8. Ponies in the 56” and under classes are subject to measurement. No ponies 56” and under will be allowed in the over 56” classes. Miniature horses must measure no greater than 34” for the miniatures classes.
9. Superintendents reserve the right to bar any animal from showing in the ring if the animal cannot be managed safely. However, it will be viewed by the judge and graded.

10. Exhibitors with unsportsmanlike conduct will be excused from the class.
11. An animal may be shown by more than one exhibitor from the same family but not in the same class. (i.e. two sisters may show the same horse, one showing in the pole bending class and the other in the flag race. They may not both show the same horse in the Pole Bending class.)
12. For safety reasons, the exhibitor will be required to wear boots, preferably with some kind of heel, while exhibiting. It is suggested that the exhibitor wear a long sleeved shirt.
13. Equine Headgear: All 4-H members are required to wear a properly fitted 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.
14. Completed Quality Assurance and Ethics training. See County Livestock Rules and Regulations section, page 12, rule 3.
15. Entries must be made by *designated date*.
16. Donkeys will only be allowed to show in the halter classes.
17. There will be up to a twenty-five minute time limit for tack changes.
18. Horses and ponies are to be returned home at the conclusion of the 4-H Horse Show.
19. Extension Office will split up all classes evenly before show.
20. The 4-H Horse Show will be governed by "Guidelines for Junior Horse Shows", which can be found at: <http://www.ag.uiuc.edu/~vista/pdf_pubs/HORSGUID.pdf>.
21. University of Illinois Extension rules will prevail. Decision of show committee is final.

Horse And Pony Classes

Class 1 - Foals of current year, horse and pony

Class 2 - Yearling, halter, horse and pony (filly or gelding)

Class 3 - Pony, halter, mares, under 56"

Class 4 - Pony, halter, gelding, under 56"

Class 5 - Horse, halter, mares 56" and over

Class 6 - Horse, halter, gelding, 56" and over

Class 7 - Donkey, halter, female and gelding - No uncut males to be shown

Class 8 - Junior Showmanship - donkeys may exhibit in showmanship

Class 9 - Senior Showmanship - donkeys may exhibit in showmanship

Twenty-five minute break

Class 10 - Beginner Walk - Trot (any age, see rule number 7)

Class 11 - Western Pleasure pony, under 56"

Class 12 - Senior Western Pleasure horse, 56" and over (Rider must be 14-19 years old as of September 1 of current 4-H year.)

Class 13 - Western Pleasure horse, 56" and over (Rider must be 8-13 years old as of September 1 of current 4-H year.)

Class 14 - Horsemanship - Junior Division -(8-13 years old as of September 1 of current 4-H year.)

Class 15 - Horsemanship - Senior Division -(14-19 years old as of September 1 of current 4-H year.)

Class 16 - Trail Class (1st-6th place ribbons.)

Class 17 - Pole Bending (1st-6th place ribbons).

Class 18 - Flag Race (1st - 6th place ribbons.)

Class 19 - Barrel Racing (1st-6th place ribbons)

Class 20 - Fun Class (RIBBON CLASS ONLY, NO PREMIUMS.) (1st - 6th place ribbons).

***NOTE:** HORSE TRAIL CLASS: The animal with the shortest time does not necessarily denote the winner of the class. The animal and rider will go through the trail class and will be scored for the time interval as well as the errors encountered while going through the course.

LLAMA/ALPACA DIVISION

LLAMA IS A COUNTY 4-H PROJECT ONLY NO PREMIUMS WILL BE PAID

1. Exhibitor may enter a maximum of two entries per class.
2. Animals may be owned by exhibitor or leased with proper paperwork filled out.
3. Leasing will be allowed in the Cumberland County 4-H Show. Lease papers are available at the Cumberland County Extension Office.
4. Entries must be made by *designated date*.
5. Completed Quality Assurance and Ethics training. See County Livestock Rules and Regulations section, page 12, rule 3.

LLAMA/ALPACA CLASSES

Class 1 – Costume class - Handler and llama/alpaca should both be in costume.

Class 2 - Juvenile male llama (less than one year of age)

Class 3 - Juvenile female llama (less than one year of age)

Class 4 - Yearling female llama (one – two years of age)

Class 5 - Adult female llama (older than two years)

Class 6 - Non-breeders – spayed female or castrated male llama

Class 6 - Juvenile male alpaca (less than one year of age)

Class 3 - Juvenile female alpaca (less than one year of age)

Class 4 - Yearling female alpaca (one – two years of age)

Class 5 - Adult female alpaca (older than two years)

Class 6 - Non-breeders – spayed female or castrated male alpaca

Class 7 - Obstacle course, any age, llama and alpaca

To be judged on willingness of llama/alpaca to follow handler, rapport, mutual confidence and trust between llama and handler. Llama/alpaca should work loose lead, while allowed the freedom to look at each obstacle for itself.

POULTRY DIVISION

1. Entries must be made by *designated date*.
2. Exhibitor is limited to two entries per class. Premiums will only be paid out to one entry in each class.
3. Birds from the pair classes may be shown as individuals.
4. Birds are to be kept in the exhibitor's own coops.
5. Animals will be released following the Poultry Show.
6. All breeding poultry must be owned by the 4-H member no later than June 1 and all market pen exhibits must be owned no later than July 1 of current 4-H year.
7. Completed Quality Assurance and Ethics training. See County Livestock Rules and Regulations section, page 12, rule 3.
8. Market Poultry will be weighed in before the start of the show.

Note: Under Illinois Livestock exhibition regulations, poultry must be brought to show site, exhibited and returned home on the same day.

Poultry Classes

Egg Production

Class 1 - Should exhibit the end product (eggs) at the Cumberland County 4-H Fair.

Embryology

Class 1 - May exhibit the end product (live poultry) during the Cumberland County 4-H Fair with the hen and rooster that hatched the animal you are displaying.

Class 2 - May exhibit appropriate project materials (incubator, etc.) at the 4-H General Projects Show.

Class 3 - May exhibit a story-telling poster at the 4-H General Projects Show.

Chickens

Class 1 - Male – Must be of Breeding age.

Class 2 - Female – Must be of Breeding age.

Class 3 - Breeding Pair – 1 male with 1 female of breeding age.

Class 4 - Market Fryer – **3** birds of either sex (any combination) of market Size. Weight 3-5 lbs. Animals in this class cannot show in Class 1, 2, 3 or 5. There will be no Bantam Market Pens exhibited in this class.

Class 5 - Market Broiler – **3** birds of either sex (any combination) of market size. Weight 5-8 lbs. Animals in this class cannot show in class 1, 2, 3, or 4. There will be no Bantam Market Pens exhibited in this class.

Bantam Chickens

Class 1 - Male – Must be of Breeding age.

Class 2 - Female – Must be of Breeding age.

Class 3 - Breeding Pair – 1 male with 1 female of breeding age.

Ducks

Class 1 - Male – Must be of breeding age.

Class 2 - Female – Must be of breeding age.

Class 3 - Breeding Pair – 1 male with 1 female of breeding age.

Class 4 - Market Fryer – **3** birds of either sex (any combination) of market size. Weight – 3 – 5 lbs. Animals in this class cannot show in classes 1, 2, 3, or 5.

Class 5 - Market Broiler – **3** birds of either sex (any combination) of market size. Weight 5 – 8 lbs. Animals in this class cannot show in classes 1, 2, 3, or 4.

Bantam Duck

Class 1 - Male – Must be of Breeding age.

Class 2 - Female – Must be of Breeding age.

Class 3 - Breeding Pair – 1 male with 1 female of breeding age.

Geese

Class 1 - Male – Must be of breeding age.

Class 2 - Female – Must be of breeding age.

Class 3 - Breeding Pair – 1 male with 1 female of breeding age.

Class 4 - Market Pen – **2** birds of either sex (any combination) of market size. Animals in this class cannot show in Class 1, 2, or 3. Weight to be determined by judge.

Turkeys

Class 1 - Male – Must be of breeding age.

Class 2 - Female – Must be of breeding age.

Class 3 - Breeding Pair – 1 male with 1 female of breeding age.

Class 4 - Market Pen – **2** birds of either sex (any Combination) of market size. Animals in this Class cannot show in Class 1, 2, or 3. Weight to be determined by judge.

Other Poultry – (Quail, chukar, pigeons, pheasant, guinea, pea fowl, etc.)

Class 1 - Male – Must be of breeding age.

Class 2 - Female – Must be of breeding age.

Class 3 - Breeding Pair – 1 male with 1 female of breeding age.

Class 4 - Market Pen – **2** birds of either sex (any combination) of market size. Animals in this class cannot show in Class 1, 2, or 3.

RABBIT DIVISION

1. Ownership dates for all rabbits, except fryers, will be June 1; fryers must be owned by June 25.
2. An exhibitor is limited to two entries in each class. Premiums will only be paid out to one entry in each class.
3. Rabbits entered in the fryer class cannot be shown in the buck or doe classes.
4. Meat pen must weigh 15 pounds or under with each animal weighing between 3-5 pounds; will be weighed by the judge at time of show.
5. Entries are due by the *designated date*.
6. Animals will be released following the show.
7. Completed Quality Assurance and Ethics Training. See County Livestock Rules and Regulations section, page 15, rule 3.

Rabbit Classes

Class 1 - Junior Doe – 3 to 6 months of age.

Class 2 - Junior Buck – 3 to 6 months of age.

Class 3 - Senior Doe – 6 to 8 months of age.

Class 4 - Senior Buck – 6 and 8 months of age.

Class 5 - 3 Fryers – Alive, *NOT TO EXCEED 5 LB. EACH*

Class 6 – Best Fur, 1 entry per exhibitor, Exhibitors should show any rabbit they believe has the best fur

Animals in classes 1-4 are not eligible to show in Class 5. Animals in class 5 are not eligible to show in classes 1-4.

SHEEP DIVISION

1. Ownership deadlines: Market lambs must be owned prior to weigh-in of the current year. Ewe lambs, yearling ewes and ram lambs must have been owned by June 15 of the current year
2. Market lambs may be of any breed, grade, purebred or crossbred.
3. Each exhibitor may make two entries in each class, except in the pairs classes which are limited to one entry. Premiums will only be paid out to one entry in each class.
4. Animals must be owned by exhibitor.
5. All animals in breeding classes, except commercial, must be registered. Registration papers will be checked and must accompany sheep to the fairgrounds.
6. No leasing allowed.
7. Entries must be made by *designated date*.
8. All lambs must have been born after January 1 of current exhibition year.
9. Any market designated animal, such as market lamb, must be permanently marked at the previously announced time and place (NO EXCEPTIONS!!).
10. Completed Youth for the Quality Care of Animals (YQCA) training. See County Livestock Rules and Regulations section, page 12, rule 4.
11. Any animal in the carcass class must be marked the night before the on-rack evaluation, or a member of the family must be present in the morning while loading the animals.

Sheep Classes

Class 1 - Premiere Carcass – To be shown on foot during the sheep show.

Class 2 - Ram lamb, born after January 1, of current exhibition year. Crossbred Rams *are* allowed.

Class 3 - Ewe lamb born after February 15, of current exhibition year.

Class 4 - Ewe lamb born after January 1 – February 14, of current exhibition year

Class 5 - Yearling Ewe

Class 6 - Best pair of Breeding Lambs, either sex.

Class 7 – White-faced Market Lamb (wether or ewe). If ewe lamb, must be different lamb than the one entered in Classes 3 and 4.

Class 8 – Black-faced Market Lamb (wether or ewe). If ewe lamb, must be different lamb than the one entered in Classes 3 and 4.

Class 9 - Rate of Gain market lamb

Class 10 - Sheep Production Class (Dam & Produce)

The dam & produce class will consist of a ewe and her offspring of the current year. The intended purpose of this class is to recognize ewes for their ability to produce marketable produce. It is hoped that this class will encourage 4-H'ers to keep production records on their ewes

- This class will not be separated by breed, all entries will show at one time and be judged as a commercial production class.

Class 11 – Carcass on rack evaluation. 4-H carcass on rack evaluation show will be held at Hartrichs in Ste. Marie, IL. The carcass evaluation includes both swine and sheep.

NOTE: 4- H members are not required, but highly encouraged to be at the carcass on rack evaluation.

SWINE DIVISION

1. 4-H members may nominate up to six (6) market animals. This includes Market Gilts and Market Barrows.
2. All gilt entries must have been farrowed on or after January 1 of the current year. All market barrow entries must have been farrowed on or after January 1 of the current year. All swine entries must have been owned by the exhibitor since June 1 of the current year.
3. Health papers and registration papers will be checked before or during weigh-in. Purebred animals will not be allowed to show in purebred classes without registration papers at this time.
4. Animals must be owned by member.
5. Each exhibitor may show up to 6 gilts. Two per class in each, Purebred, Crossbred, and Market Gilt classes.
6. All carcass pigs must be tagged prior to coming to the fair. (Tags not provided by office)
7. Exhibitors are limited to two swine entries per market class.
8. No leasing allowed.
9. Entries must be made by *designated date*.
10. Breeding classes *will immediately follow* carcass class (on foot).
11. Completed Youth for the Quality Care of Animals (YQCA) training. See County Livestock Rules and Regulations section, page 12, rule 4.
12. Any market designated animal, such as a market hog, must be permanently marked at the previously announced time and place (NO EXCEPTIONS!!).
13. Any animal in the carcass class must be marked the night before the on-rack evaluation, or a member of the family must be present in the morning while loading the animals.

Swine Classes

Class 1 – Carcass (Barrow only) on foot evaluation

Class 2 – Purebred Spring Boar

Class 3 – Purebred Spring Gilt (breeding animals). Entries in this class ineligible for class 4 or 5.

Class 4 – Crossbred Spring Gilt (breeding animals). Entries in this class ineligible for Class 3 or 5.

Class 5 – Market (Terminal) Gilt. Entries in this class are ineligible for Class 3 or 4.

Class 6 – Crossbred Market Barrow; to be farrowed after January 1, of current year and must be ID'd during the designated time previous to the show.

Class 7 – Purebred Barrow; to be farrowed after January 1, of current year and must be ID'd during the designated time previous to the show. Registration papers must be presented to show in class.

Class 8 – Carcass on rack evaluation. 4-H carcass on rack evaluation show will be at Hartrich's in Ste. Marie, IL. The carcass evaluation includes both swine and sheep. ***NOTE: 4- H members are not required, but highly encouraged to be at the carcass on rack evaluation. If funds are available, premiums will be paid to exhibitors. No premium will be paid if the carcass is disqualified.***

Small Pets

CAT SHOW

Cat Care

1. Exhibitors shall be limited to two entry in each class.
2. Entries must be made by *designated date*.
3. A cat shown in the 4-H cat project must be trained by and belong to the exhibitor or a member of his/her immediate family. Leasing not allowable for the cat project.
4. All cats must be brought to the show in a cage.
5. Cats do not have to be registered to show in the 4-H Cat Show.
6. Female cats in season cannot participate in the County 4-H Cat Show.
7. Record sheet should be completed and brought the day of the 4-H Cat Show.
8. Completed Quality Assurance and Ethics training. See County Livestock Rules and Regulations section, page 12, rule 3.

ILLINOIS CATS shall be free from communicable diseases and kept under direct control during exhibition.

The County 4-H Committee has established the policy that cats for exhibition MUST BE VACCINATED AGAINST RABIES. Verification of this will be required at the Cat Show. Without Verification, the cat will not be allowed to show.

Cat Classes

Class 1 – Kitten Class: ages 6 months and under

Class 2 - Short Hair Cats

Class 3 - Long Hair Cats

Class 4 - Cat Care

Class 5 - Cat Showmanship: This class evaluates the ability of the exhibitor to show the cat well. It includes control, knowledge, and proper grooming of the cat and most importantly the poise of the exhibitor; the exhibitor is the one being judged. Non-premium class.

DOG SHOW

NOTE: Exhibitors chosen for State Fair *must include, with their entry form, a score sheet signed and dated by one of the following: Judge of County 4-H Class Graduation Obedience Trial, County 4-H Show, ASCA Obedience Trial, AKC Obedience Trial or fun match.*

1. Entries must be made by *designated date*.
2. To be eligible for State Fair, a dog must have a score of 50% or more of the available points for each exercise on the score sheet and a final score of at least 150 points for beginner and graduate beginner and 170 points for all other classes during the 4-H Dog Show.
3. Exhibitors shall be limited to two entry in each class. The same dog cannot be shown in more than one obedience class.
4. Beginning Class I is for new handlers and inexperienced dogs only.
5. Beginner Class II is for experienced handlers with inexperienced dogs.

6. A dog being shown in the 4-H dog project must be trained by and belong to the exhibitor or to a member of his/her immediate family. Leasing is not allowable for the dog project.
7. All dogs must be brought to the show on a six foot leather, nylon or canvas leash.
8. Dogs do not have to be AKC registered to show in the obedience show.
9. AKC rules will be used for judging.
10. Female dogs in season cannot participate in the County 4-H dog obedience classes or in the County 4-H or State Fair Shows.
11. A run-off will be held in case of a tie for total score.
12. Completed Quality Assurance and Ethics training. See County Livestock Rules and Regulations section, page 12, rule 3.

ILLINOIS DOGS shall be free from communicable diseases and kept under direct control during exhibition. The County 4-H Committee has established the policy that dogs for exhibition **MUST BE VACCINATED AGAINST RABIES**. Verification of this will be required at the Dog Show. Without verification, the dog will not be allowed to show.

Dog Classes

Class 1

Dog Care - Animals should be on a leash. The animals will be judged on grooming and health care. (Questions may be asked by judge.)

Class 2 Beginner Novice I Class (For inexperienced handlers and inexperienced dogs)

1. Heel on Leash (forward, halt, right turn, left turn, about turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders will be given by utilizing posted signs Maximum points 40
2. Figure Eight (on leash) Maximum points 40
3. Sit for Exam (on leash) Maximum points 40
4. Sit Stay (walk around ring) Maximum points 40
5. Recall (off leash front/no finish) Maximum points 40

Class 3 Beginner Novice II Class (For experienced handlers & inexperienced dogs or experienced dogs & inexperienced handlers.)

1. Heel on Leash (forward, halt, right turn, left turn, about turn, slow, normal and fast). The last order signifies that the handler and dog must break pace. These orders will be given by utilizing posted signs Maximum points 40
2. Figure Eight (on leash) Maximum points 40
3. Sit for Exam (on leash) Maximum points 40
4. Sit Stay (walk around ring) Maximum points 40
5. Recall (off leash front/no finish) Maximum points 40

Class 4 Preferred Novice Class

1. Heel on Leash and Figure 8..... Maximum points 40
2. Stand for Examination (off leash) Maximum points 30
3. Heel Free (off leash) Maximum points 40
4. Recall (off leash with finish) Maximum points 30
5. Sit or Down Stay-Walk around the Ring..... Maximum points 30
6. Sit Stay-Get Your Leash (off leash) Maximum points 30

Class 5 Novice Class

1. Heel on Leash and Figure 8 (on leash)..... Maximum points 40
2. Stand for Examination (off leash) Maximum points 30
3. Heel Free (off leash)..... Maximum points 40
4. Recall (off leash)..... Maximum points 30
5. Sit Stay – Get your leash (off leash)..... Maximum points 30
6. Group Exercise – Sit & Down Stay (on leash)..... Maximum points 30

Class 6 Graduate Novice Class

1. Heel Free and Figure 8 (off leash) Maximum points 40
2. Drop on Recall Maximum points 40
3. Dumbbell Recall Maximum points 30

4. Dumbbell Recall over High Jump	Maximum points 30
5. Recall over Broad Jump	Maximum points 30
6. Stay-Get your leash (sit, Down)	Maximum points 30
Class 7 Preferred Open Class	
1. Heel Free and Figure 8	Maximum points 40
2. Command Discrimination (Stand, Down, Sit)	Maximum points 30
3. Drop on Recall	Maximum points 30
4. Retrieve on Flat	Maximum points 20
5. Retrieve over High Jump	Maximum points 30
6. Broad Jump	Maximum points 20
7. Stay-Get your leash (Sit, Down).....	Maximum points 30
Class 8 Open Class	
1. Heel Free and Figure 8	Maximum points 40
2. Command Discrimination (Stand, Down, Sit)	Maximum points 30
3. Drop on Recall	Maximum points 30
4. Retrieve on Flat	Maximum points 20
5. Retrieve over High Jump	Maximum points 30
6. Broad Jump	Maximum points 20
7. Stay-Get your leash (Sit, Down).....	Maximum points 30
Class 9 Graduate Open Class	
1. Signal Exercise	Maximum points 40
2. Scent Discrimination	Maximum points 30
3. Go Out.....	Maximum points 30
4. Directed Jumping	Maximum points 40
5. Moving Stand and Examination	Maximum points 30
6. Directed Retrieve	Maximum points 30
Class 10 Preferred Utility Class	
1. Signal Exercise.....	Maximum points 40
2. Scent Discrimination Article #1.....	Maximum points 30
3. Scent Discrimination Article #2.....	Maximum points 30
4. Directed Retrieve	Maximum points 30
5. Moving Stand & Examination	Maximum points 30
6. Directed Jumping	Maximum points 40
Class 11 Utility Class	
1. Signal Exercise	Maximum points 40
2. Scent Discrimination Article #1	Maximum points 30
3. Scent Discrimination Article #2	Maximum points 30
4. Directed Retrieve	Maximum points 30
5. Moving, Stand and Examination	Maximum points 30
6. Directed Jumping	Maximum points 40

Dog Showmanship Rules:

1. Only handlers who win the Junior or Senior Grand Championship Showmanship contests will be eligible to represent the county at the State Fair, exhibitor to advance will be chosen by judge. No substitutions are allowed. If the Grand Champion is unable to attend the State Fair, the county will be unrepresented. Handlers must be residents of the county in which they win.
2. A female in season may not compete.
3. A dog that is not under the control of the exhibitor, or shows viciousness toward its handler, judge, or other dogs will be excused from further competition.
4. Exhibitors will be 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.
5. Dogs will be judged on cleanliness, general health and grooming.
6. Purebred and non-purebred dogs are eligible for the showmanship classes. The breed of dog has no bearing on judging or placement.

7. A dog eligible for Jr. Showmanship that must be withdrawn for good and sufficient reason (a female in season or veterinarian excuse) may be replaced by another dog owned by the Jr. handler or the family. This must be made in writing (giving the reason) at the beginning of the show.

Showmanship Classes:

Class 8

Pre-Junior Showmanship (For 4-H'ers who are 8 and 9 years old as of September 1 of current 4-H year.)

Class 9

Junior Showmanship (Any 4-H'er ages 10-13 as of September 1 of current 4-H year.)

Class 10

Senior Showmanship (Any 4-H'er ages 14-19 as of September 1 of Current 4-H year.)

General Projects

****Cumberland Co. 4-H exhibit day at the State Fair is Friday, August 14****

4-H SHOW POLICY

Rules and Regulations:

1. Grade levels will automatically be lowered one letter if exhibit requirements are not followed.
2. 4-H'ers should accompany their projects to the General Projects Shows. Projects not accompanied by 4-H member must comply with rules 3 below.
3. 4-H member may receive an "A" rating if not attending, in person*, the Cumberland County 4-H General Projects Show and /or Foods Show and be eligible for State Judging (if meets age requirement) for the following reasons: If absence is due to work, death in immediate family, illness in immediate family, school related activity, or similar conflict.
 - *Criteria for project when not present:
 - A. Project Goal Sheet for appropriate age.
 - B. Essay
 - Age 8-11 minimum of one hand written page.
 - Age 12-14 minimum of one typed page, 1" margins, double spaced, 12 pt. font
 - Age 14-18 minimum of two typed pages, 1" margins, double spaced, 12 pt. font
 - C. Must complete all Project Requirements.
 - D. Extension Office must be contacted 48 hours in advance for reason of not attending and approve reason.
4. **Entries in FairEntry online for all 4-H Shows are due in to the Extension Office by 4:30 pm on June 1.**
5. Exhibit tags should be securely fastened to all projects being exhibited. Each exhibitor is responsible for his/her projects to be properly checked in.
6. Project record sheets are to be exhibited with projects. Keep these once the show is complete to be turned in to your leader in August.
7. Champion and Reserve Champion ribbons will be awarded in all project areas at the discretion of the judge.
8. Judges and superintendents have the right to refuse entries or disqualify any entries that do not meet the requirements listed in this book.
9. State Fair delegates and alternates will be selected day of show.

10. All exhibits must be products of the current 4-H year (September 1, 2019 - August 31, 2020). The same product or speech that is selected at the county level must be the one exhibited at the State Fair (except for Food & Nutrition (must be the same recipe), Crops, Floriculture, and Vegetable Gardening exhibits (must be the same specie/type (i.e. slicing tomatoes, snap beans, onions, etc.)). Modifications can be made to the original county exhibit to meet State Fair class requirements or to incorporate suggested improvements made by the local judge.
11. Some exhibit areas may have size limitations. Read the descriptions carefully. Please choose a display size which is most appropriate for the exhibit you are bringing. Larger does not always mean better; use good judgment in creating your exhibit.
12. **READY 4LIFE CLASSES (Career & Entrepreneurship Exploration)** are open to any 4-H member who was at least 11 by September 1, 2019. Members choosing to exhibit in the Ready 4 Life class may be enrolled in any level of the Project they are studying. Exhibits should show the connection between the project area and related career or business opportunities. Members may choose any method they want for demonstrating project learning. 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.

ADDITIONAL REQUIREMENTS FOR FOOD EXHIBITS

1. 4-H'ers should try recipes a minimum of three times before exhibiting a food project.
2. All foods exhibits, unless otherwise stated, should be displayed on a disposable plate and placed in a self-sealing clear plastic bag. This does not apply to Food Preservation.
3. Food projects denoted as "STATE FAIR" are eligible for State Fair competition. Check State Fair Junior Department Premium Book for State Fair exhibit requirements. Premium Book can be downloaded at <http://www.illinoisstatefair.info/>.
4. If exhibit requires a menu (meal), plan one meal that includes the food item. Include at least three food groups in the meal. The recipe and menu may be written or typed on a 3 x 5" or 4 x 6" note card or on a piece of paper.
5. Two standard canning jars of food must be used in the following three projects:
(Mayonnaise jars, baby food jars, etc., are not acceptable.)
 - Canned fruits or vegetables – please note that low-acid vegetables must be processed with pressure canner.
 - Jellies, jams, or preserves – jars must be sealed with standard canning lids, not paraffin.
 - Pickles or relish.

4-H CLOVERBUD DISPLAYS

All members of 4-H Cloverbud groups are encouraged to bring an item to the 4-H Fair. During a designated day, 4-H Cloverbud groups will be given a time to meet with an adult to visit about their work. The 4-H Cloverbud program is non-competitive and, as a result, members are not eligible to receive premiums. 4-H Cloverbud participation ribbons will be awarded to each 4-H Cloverbud member of the group. 4-H Cloverbud groups should enter as a group and make one table display showing the entire groups' work. Signs with the 4-H Cloverbud group name should be displayed on the table.

AEROSPACE Each county may send 2 entries total from 50130, 50131; and 1 entry from 50133.

Model Rocketry: (SF 50130)

(Open to youth in Aerospace 2, Aerospace 3, and Aerospace 4)

Exhibit one model rocket assembled or made by the member. The exhibit will be a static display. The model rocket should be in good flying condition. DO NOT include the rocket engine with your exhibit. The rockets will not be launched. Attach the printed directions for construction of the rocket if any were used.

Aerospace Display: (SF 50131)

(Open to youth in Aerospace 2, Aerospace 3, and Aerospace 4)

Prepare a display related to the aerospace project which does not fit in the model rocketry class. 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.

Aerospace Ready4Life Challenge (SF 50133)

Open to 11- to 18-year-olds 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.

Aerospace Maker (SF 50400)

Counties may submit 3 entries TOTAL combined from all Maker exhibit divisions.

Exhibits in this category are designed to be multi-disciplinary in nature, innovative, and must not fit into any other exhibit category. To qualify for this category, your project MUST abide by the following guidelines:

- 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.
- 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)
- Exhibit 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.

In addition, exhibitors 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.

ANIMAL SCIENCE

Includes members enrolled in Beef, Cats, Dairy, Dogs, Dairy Goats, Meat Goats, Poultry, Rabbits, Sheep, Swine

Animal Science (SF 50135)

Prepare a display focusing on any activity related to the beef 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. 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. 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.

Animal Science Beef Ready4Life Challenge (SF 50137)

Open to 11- to 18-year-olds enrolled in any Beef 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.

Animal Science Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

BICYCLE (not eligible for state fair)

Bicycle 1

Exhibitors will draw three situations from a bag that relate to activities from Level 1 and discuss/explain all three with the judge. Situations may include: Selecting bicycle safety equipment; Demonstrate how to fit a helmet; Identify bike parts and their function; Selecting the right size bike; How to check bicycle tires, brakes and chains; Recognizing traffic signs and their meaning; General discussion of bicycling hazards; and Items to consider when planning a bike trip.

Bicycle 2

Exhibitors will draw three situations from a bag that relate to activities from Level 2 and discuss/explain all three with the judge. Situations may include: Factors to consider when choosing a bike; Comparing tire pressure, valve type and tread; Steps in fixing a flat tire; Steps to follow when cleaning, lubricating and replacing a bike chain; Evaluating the braking system on a bicycle; Factors to consider when mapping out a bike route; Rules for smart bike riding; and Planning a menu for an all-day bike ride.

Bicycle Ready4Life Challenge (not eligible for state fair)

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.

Bicycle Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

CHILD DEVELOPMENT

CHILD DEVELOPMENT

Each county may submit 1 entry from 50141

Child Development (SF 50141)

Exhibit one of the following class options

- **Child Development 1: Infants and Toddlers**

Prepare a display focusing on any activity related to the child development project. Demonstrate the skills and knowledge you have gained through the child development 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. 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. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects. Exhibit must include printed or electronic version of at least three completed activities from the manual.

- **Child Care 1: Infants and Toddlers**

Prepare a display focusing on a topic related to child care of this age group such as selecting age appropriate activities, explaining child behavior, and/or recognizing safety concerns. Demonstrate the skills and knowledge you have gained through the child development 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. 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. For safety reasons, exhibits cannot include glass, syringes with needles or any other sharp objects. Exhibit must include printed or electronic version of at least three completed activities from the manual.

Child Development Ready4Life Challenge (SF 50142)

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.

Child Development Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

CIVIC ENGAGEMENT

Each county may submit 2 entries total from classes 50145, 50146, 50147; and 1 entry from 50149. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement 1 (SF 50145)

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 these feelings; 3) your family, their responsibilities, how you work together; **OR** 4) the Family Pedigree that may include family group pages. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement 2 (SF 50146)

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). **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement 3 (SF 50147)

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. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Civic Engagement Ready4Life Challenge (SF 50149)

Open to 11- to 18-year-olds 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.

Civic Engagement Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

Service Learning 1 (not eligible for state fair)

Exhibit a binder portfolio to reflect what the exhibitor accomplished in the four steps of service learning. If exhibitor has been enrolled in project for multiple years, the binder portfolio should include previous years' work. Use of page protectors is recommended.

Service Learning 2 (not eligible for state fair)

Exhibit a binder portfolio to reflect what the exhibitor accomplished in the four steps of service learning. If the exhibitor has been enrolled in the project for multiple years (including Service Learning 1), the binder portfolio should include the previous years' work. Use of page protectors is recommended.

Service Learning 3 (not eligible for state fair)

Exhibit a binder portfolio to reflect what the exhibitor accomplished in the four steps of service learning. If the exhibitor has been enrolled in the project for multiple years (including Service Learning 1 & 2), the binder portfolio should include the previous years' work. Use of page protectors is recommended.

CLOTHING & TEXTILES

Each county may submit 3 STEAM entries total from 50151 a-c, 50152 a-c, 50153 a-c; 2 shopping entries from 50154, 50155, 50156; and 1 Ready4Life entry from 50157.

All exhibits entered in the clothing and textiles area will be judged based on their construction and fit (if applicable). Exhibitors bringing garments should not wear their garments when they arrive for judging. The garment will be reviewed by the judges for construction first. Exhibitors will be asked to change into the garment as the second step of the judging process. 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.) Construction and appearance will both be considered during judging. If a pattern was used to make the item, the pattern instructions, either written or electronic, are to be included with the exhibit. Exhibit tags should be attached to the garment, not to the hanger.

Members wishing to exhibit knitted items should enroll in Visual Arts Fiber (if original) or Heritage Arts (if made from a pattern). Members who enroll in Clothing & Textiles with the intent of pursuing quilting can exhibit in the non-clothing exhibit category in STEAM Clothing 1—FUNDamentals. Quilts exhibited in the Clothing & Textiles area will be judged using a rubric that evaluates the sewing skills and construction of the item. All work on the quilt MUST be completed by the 4-H member. You cannot exhibit a quilt that was quilted by someone else. Quilts can be hand OR machine quilted as long as ALL work is completed by the exhibitor.

CLOTHING: STEAM

STEAM Clothing 1 – FUNDamentals (SF 50151a, 50151b, 50151c)

Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

Non-Sewn Exhibits (SF 50151a) 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 project manual for portfolio formatting.
- Fabric Textile Scrapbook – Must include at least 5 different textile samples. Use Textile Information Cards template on page 41 in project manual to identify fabric swatches. 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.

Sewn Non-Clothing Exhibits (SF 50151b) Exhibit one of the following:

- Pillowcase
- Simple Pillow – no larger than 18" x 18"
- Bag/Purse – no zippers or button holes
- Other non-clothing item using skills learned in project manual

Sewn Clothing Exhibits (SF 50151c) Exhibit one of the following:

- Simple top
- Simple pants, shorts, or skirt – no zipper or button holes
- Simple Dress – no zipper or button holes
- Other – other wearable item using skills learned in project manual (apron, vest, etc.)

STEAM Clothing 2 – Simply Sewing: (SF 50152a, 50152b, 50152c)

Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

Non-Sewn Exhibits (SF 50152a) Exhibit one of the following:

- Clothing Portfolio – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual. The Portfolio should be 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, pages 9-11 for portfolio formatting.
- Expanded Textile Science Scrapbook – Must include at least 10 different textile samples. Use Textile Information Cards template on page 39 in project manual to identify fabric swatches. Completed textile cards should be placed in an 8 ½ x 11, 3 ring binder. Include an appropriate cover. See Project, pages 40-82 for fabric science experiments.
- 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.
- Entrepreneurial Sewing – Exhibit should highlight items you made for sale online. 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.

Sewn Non-Clothing Exhibits (SF 50152b) Exhibit one of the following:

- 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.
- Non-clothing item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

Sewn Clothing Exhibits (SF 50152c) Exhibit one of the following:

- 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. The finished garment must reflect at least one skill learned in this 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.
- Constructed garment – Any garment with facings or curves. Should use 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.

STEAM Clothing 3 – A Stitch Further: (SF 50153a, 50153b, 50153c)

Exhibit one of the following in either the Non-Sewn, Sewn Non-Clothing, or Sewn Clothing exhibit divisions:

Non-sewn Exhibits (SF 50153a) Exhibit one of the following:

- Clothing Portfolio – Complete at least four different samples/activities from Chapters 2, 3 AND/OR 4 of the project manual. The Portfolio should be 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 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.
- Expanded Textile Science Scrapbook - Must include at least 10 different textile samples. Use Textile Information Cards template on page 29 in 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, pages 39-52 for fabric science experiments.

- 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.

Sewn Non-Clothing Exhibit (SF 50153b) Exhibit one of the following:

- 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.
- Non-clothing item OR Clothing Accessory – Create a clothing accessory using at least one skill learned in this project. Exhibitor should be able to identify the skill used.

Sewn Clothing Exhibit (SF 50153c) Exhibit one of the following:

- 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. The finished garment must reflect at least one skill learned in this 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.
- Constructed garment – Any garment constructed by the member which is appropriate for the age and experience of the exhibitor. Should use at least one skill learned in this project and exhibitor should be able to identify the skills used. Possible examples are wool garment, dress or jacket with set in sleeves and zipper or buttons and button holes, suites evening gown or sport outfit.

CLOTHING: SHOPPING Exhibit one of the following options that align with the Shopping in Style level. If a garment is part of the 4-H exhibit, exhibitors should put the garment on PRIOR to their judging time.

Shopping in Style: 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.

Shopping in Style (SF 50154)

Beginning – Choose one of the following activities from Unit 1 or Unit 2 of the project book

- Exhibit should consist of a garment that reflects your personal style along with a poster or report that 1) explains how this garment reflects your style and how it influences what others think of you; **OR** 2) how your personal style either aligns or contradicts what is considered to be “in style” today. **OR**
- Exhibit should include a garment you purchased along with a poster or report that explains or illustrates how this garment is either 1) a modern version of a fad or fashion from an earlier decade; **OR** 2) how this garment reflects a different ethnic or cultural influence. Exhibit should include garment you purchased along with a poster or report that provides 1) a body shape discussion and how body shape influences clothing selections; **OR** 2) 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**
- Exhibit should include garment you purchased along with a poster or report that 1) explains how this garment uses the principles of design lines to create an illusion to alter appearance; **OR** 2) explains how color and texture of fabrics can complement or enhance appearance. Poster or report may include pictures from magazines, the internet, or actual photos of garments.

Intermediate – Choose one of the following activities from Unit 3 or Unit 4 of the project book (SF 50155)

- Exhibit should include 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. Also 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**
- Exhibit should include at least five pieces of clothing that exhibitor 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**
- Exhibit should include garment you purchased along with a poster or report that 1) includes a wardrobe inventory which indicates why you selected the garment you did, clothing budget, and cost of garment; **OR** 2) 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**

- Exhibit should include garment you purchased along with a poster or report that 1) 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** 2) 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, and garment care.

Advanced – Choose one of the following activities from Unit 5 or Unit 6 of the project book (SF 50156)

- Exhibit should include garment you purchased along with a poster or report that summarizes care requirements not only for this garment but also for garments made of other natural and synthetic fibers; exhibit should also include a care cost analysis for garments of different fibers. **OR**
- Exhibit should include 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.
- Exhibit should include multiple garments you purchased along with a poster or report that provides plans and commentary for a fashion show that that would capture the attention of an audience. Fashion show plans should identify target audience, include show venue, purpose of the show, and logistical plan for the fashion show. This should also include a financial plan. Exhibitor should be prepared to demonstrate modeling skills.

Sewing & Textiles Ready4Life Challenge (SF 50157)

Open to 11- to 18-year-olds 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.

Clothing Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

COLLEGE & CAREER READINESS

Each county may submit 1 entry from 50365; and 1 entry from 50366.

Build Your Future (SF 50365)

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 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.

College & Career Ready4Life Challenge (SF 50366)

Open to 11- to 18-year-olds enrolled in the 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.

College & Career Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

COMMUNICATIONS

Each county may submit 2 entries total from 50367, 50368, 50369; and 1 entry from 50370.

Communications 1 (SF 50368)

For 1st year enrolled in project: Exhibit a binder portfolio showcasing at least three activities from the project manual. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project: Include everything from earlier years' work and add section showcasing at least four additional activities per year.

Communications 2 (SF 50368)

For 1st year enrolled in project: Exhibit a binder portfolio showcasing at least three activities from the project manual. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project: Include everything from earlier years' work and add section showcasing at least four additional activities per year.

Communications 3 (SF 50368)

For 1st year enrolled in project: Exhibit a binder portfolio showcasing at least three activities from the project manual. Show basic activities and anything that extended lessons. For 2nd and 3rd years in project: Include everything from earlier years' work and add section showcasing at least four additional activities per year.

Creative Writing (SF 50367)

To provide the best learning experience, it is suggested that counties receive submissions in this class prior to the exhibition date to allow a judge adequate time to read the submissions and provide meaningful review. Each member may submit only one entry per class. Each entry is to be typewritten on 8 ½ x 11 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.

- **Rhymed Poetry** – An interpretation of a subject in rhymed verse. Submit a collection of three poems.
- **Free Style Poetry**– An interpretation of a subject in unrhymed verse. Submit a collection of three poems.
- **Short Story**– A fiction piece comprised of three basic elements: a theme, a plot and characters. Submit one story, maximum length –2,000 words.
- **Essay**– A short nonfiction composition in which a theme is developed or an idea is expressed. Submit one essay, maximum length –500 words.
- **Feature Story** -- Nonfiction human-interest story judged on interest to readers, writing style, readability, and thoroughness of coverage. Submit one story, maximum length –1,000 words.

Journalism (SF 50369)

Exhibit a binder portfolio showing the results of the appropriate year's activities noted below:

- **Year 1:** Accomplishments of a minimum of 5, 2-star activities from Part 1, answering all of the questions in the activities.
- **Year 2:** Results of doing a minimum of 5, 2-star activities in Part 2, answering all the questions in the activities.
- **Year 3:** Results of doing a minimum of 5, 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:** Results of doing at least 2, 2-star activities and 3, 3-star activities from Part 3. If the activities include making an audio or videotape, State Fair will provide a way for the judge to view or listen to it.

Communications Ready4Life Challenge (SF 50370)

Open to 11- to 18-year-olds enrolled in any Communications 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.

Communications Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

COMMUNICATIONS: PUBLIC PRESENTATIONS

Enrollment in the Public Presentations project is required to participate in this section. No live animals are allowed in speeches. Counties may advance a total of three entries from any category to the state contest.

Formal Speech | Self-written | Notes Allowed | No props | Individual | 4-8 minutes

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 (Original Oratory), or choose one of these four topics on which to speak (Topical Response):

- Welcome to the Digital Age
- What is My Connection to the Global Community?
- Power: Who Has It, Who Doesn't, and Does It Matter?
- If I Could See tomorrow...

Illustrated Speech | Self-written | Notes allowed | Illustrations Required | Individual | 4-8 minutes

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.

Original Works | Self-written | Notes allowed | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-8 minutes

Original works must be written entirely by the presenter. It may be presented as an individual or a two-person team entry. Manuscripts must be sent in advance to the contest. 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

Oral Interpretation | Published work | Props and Costumes Allowed | Individual or 2-Person Team | Manuscripts sent in Advance | 4-8 minutes

Presentations in Oral Interpretation must be published works, and manuscripts or transcripts must be submitted prior to the event. They may be presented as an individual or a two-person team entry. 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

COMPUTER SCIENCE

Each county may submit 3 entries total from 50159, 50160, 50161, 50162; and 1 entry from 50164.

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.

Beginning Visual Programming (not eligible for state fair)

Open to youth in Computer Science Visual Based Programming

Exhibit a simple program using Scratch (or other simple graphic programming language). The program should include 8 different commands including looping and getting input from the keyboard and mouse. 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.

Intermediate Visual Programming (SF 50159)

Open to youth in Computer Science Visual Based 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). 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.

Advance Visual Programming (SF 50160)

Open to youth in Computer Science Visual Based Programming

Exhibit a video game you have created in Scratch (or other simple graphic programming). 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.

Website Design: (SF 50161)

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.

Computer Open Source / Innovation CS (SF 50162)

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 will not be provided for the exhibit. 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 during the entire exhibit period.

Computer Science Ready4Life Challenge (SF 50164)

Open to 11- to 18-year-olds enrolled in any 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.

Computer Science Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

CONSUMER EDUCATION

Each county may submit 2 entries total from 50168, 50169; and 1 entry from 50167.

Entrepreneurship: Be the E! (not eligible for state fair)

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

My Financial Future 1 Beginner (SF 50168)

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.

My Financial Future 2 Advanced (SF 50169)

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 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.

Consumer Ed Ready4Life Challenge (SF 50167)

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.

Consumer Ed Maker (SF 50400)

****Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.**

CROPS

Each county may submit 3 entries total from 50170, 50171, 50172, 50173; and 1 entry from 50175.

Soybeans (SF 50170)

Exhibit five fresh plants (include root system that is washed) that are representative of member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

Corn (SF 50171)

Exhibit two fresh plants of field corn (include root system that is washed), that is representative of member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. *Sweet corn should be exhibited in Vegetable Gardening unless being raised under commercial contract by the exhibitor.* Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

Small Grains (SF 50172)

Exhibit one gallon of the current year's crop of oats, wheat, rye, or barley that is representative of the member's 4-H project field; **OR** exhibit an experimental or educational project related to one experience from your project. Include explanation of the project in a report for public understanding. Include the member's crop records with the exhibit, such as the 4-H Crop record found online @ 4-H.illinois.edu, an FFA crops record, or similar information.

Crops Innovation Class (SF 50173)

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.

Crops Ready4Life Challenge (SF 50175)

Open to 11- to 18-year-olds 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.

Crops Maker (SF 50400)

****Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.**

DO YOUR OWN THING

This class is not eligible FOR State Fair.

Any exhibit related to the project. This may be an experimental or educational poster or display. Include an explanation for public understanding. You can enroll in any project with this category – just be specific about what your project is, so it can be judged with other correlating projects.

ELECTRICITY

Each county may submit 3 entries total from 50177, 50178, 50179; and 1 entry from 50181.

Electricity 1 (SF 50177)

(May only be battery-powered projects using battery components and wiring). Exhibit a momentary switch, simple switch, basic circuit, electromagnet, galvanometer, **OR** an electric motor. All projects must include a report explaining how the project was constructed and the principles demonstrated. Recommendations can be found on the website. Projects using paper clips, cardboard, thumbtacks, & brads are not eligible for state fair exhibits in electricity. Members wishing to exhibit these types of projects should consider exhibiting in Junkdrawer Robotics 1 or 2.

Electricity 2 (SF 50178)

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

Electricity 3 (SF 50179)

Exhibit a 120V lighting fixture or other appliance which 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. 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.

Electricity 4 (not eligible for state fair)

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.

Electricity Ready4Life Challenge: (SF 50181)

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.

Electricity Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

ENTOMOLOGY GENERAL

Each county may submit 2 entries total from 50183, 50184, 50185, 50186; 1 entry from Class 50187.

Size and number of exhibit cases should relate appropriately to the number of insects being displayed for a specified class. Cases should be no deeper than 4". Exhibitors should note that Entomology exhibits may be placed UPRIGHT for display.

Entomology 1 (SF 50183)

Exhibit 15 or more species representing four or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology 1 project manual, *Teaming With Insects 1*, with at least one completed activity for each year enrolled. The project manual must be included. Rules for pinning and labeling insects are available from your local Extension office.

Entomology 2 (SF 50184)

Exhibit 30 or more species representing eight or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology 2 project manual, *Teaming With Insects 2*, with at least one completed activity for each year enrolled. The project manual must be included. Rules for pinning and labeling insects are available from your local Extension office.

Entomology 3 (SF 50185)

Exhibit 60 or more species representing twelve or more orders. Collection must be accurately labeled. Exhibitors must also include the Entomology 3 project manual, *Teaming With Insects 3*, with at least one completed activity for each year enrolled. The project manual must be included. Rules for pinning and labeling insects are available from your local Extension office.

Entomology Display (SF 50186)

Open to youth enrolled in Entomology 1, Entomology 2 or Entomology 3

Exhibit any activity or display related to Entomology that does not fit into Entomology Classes 1, 2 or 3 above. 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.

Entomology Ready4Life Challenge (SF 50187)

Open to 11- to 18-year-olds 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.

Entomology Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

ENTOMOLOGY BEEKEEPING

Each county may send 2 entries total from classes 50188, 50189, 50190; and 1 entry from 50191.

Create an exhibit that shows the public what you learned in the beekeeping project this year. **Note:** 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. Chunk honey should go in a wide-mouth jar, preferably one 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 (including chunk, cut comb, and sections) must be collected since the previous year fair.*

Beekeeping 1 (SF 50188)

Exhibit an educational display for one (1) of the following:

- Flowers Used to Make Honey. Display pressed flowers from ten (10) different Illinois plants that bees use for making honey.
- Uses of Honey and Beeswax.
- Setting Up a Bee Hive.
- Safe Handling of Bees.
- Equipment needed by a Beekeeper.

Beekeeping 2 (SF 50189)

Exhibit one (1) of the following:

- Extracted Honey: Three (3) 1# jars, shown in glass, screw-top jars holding 1 # of honey each.
- Chunk honey (comb in jar): Three (3) 1# jars (wide-mouth glass jars).
- Cut-comb honey: Three (3) 1# boxes (boxes are usually 4 ½” x 4 ½”).
- Section honey: three (3) sections of comb honey (in basswood boxes or Ross rounds).
- Working with Honey Bees. Present a topic from your manual to teach fairgoers about working with honey bees. Use your knowledge and creativity to display this information on a poster or in a notebook.

Beekeeping 3 (SF 50190)

Exhibit three (3) of the five (5) kinds of honey listed below (#1-5) or prepare an educational display about honey bees or beekeeping.

1. Extracted Honey: Three (3) 1# jars (glass)
2. Chunk Honey (comb in a jar): Three (3) 1# jars (wide-mouth glass)
3. Cut-comb Honey: Three (3) 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 (3) sections of comb honey (in basswood boxes or Ross rounds) or
6. Prepare an educational display about honey bees or beekeeping.

Entomology Beekeeping Ready4Life Challenge (SF 50191)

Open to 11- to 18-year-olds 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.

Beekeeping Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

EXPLORATORY

EXPLORATORY (*Welcome to 4-H*) (not eligible for state fair)

Youth ages 8 – 10 may 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

COLLECTIBLES (not eligible for state fair)

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.

FAMILY HERITAGE

Each county may submit 1 entry from 50197; and 1 entry from 50199.

Family Heritage (SF 50197)

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. Displays should not be larger than 22" x 28" wide. If the size needs to be a different size because the historical item is larger than 22"x28" please contact the superintendents for approval.

Family Heritage Ready4Life Challenge (SF 50199)

Open to 11- to 18-year-olds 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.

Family Heritage Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

FOODS & NUTRITION

Each county may submit 7 entries total from any of these food classes: 50200, 50201, 50202, 50203, 50204, 50206, 50208, 50211; and 1 entry from 50210.

4-H Cooking 101 (SF 50200)

Using the recipes included in the project manual, prepare an exhibit of 3 cereal marshmallow bars; **OR** ¼ of 8" square or round coffeecake; **OR** 3 cookies. 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.

4-H Cooking 201 (SF 50201)

Using the recipes included in the project manual, prepare an exhibit of 3 cheese muffins; **OR** 3 scones; **OR** ½ loaf (9" x 5") of basic nut bread. 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.

4-H Cooking 301 (SF 50202)

Using the recipes included in the project manual, prepare an exhibit of 3 dinner rolls; **OR** loaf of yeast bread; **OR** 1 tea ring; **OR** 3 sweet rolls; **OR** one layer of a Rich White Cake or Rich Chocolate Cake, top side up (*without frosting*). 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.

4-H Cooking 401 (SF 50203)

Using the recipes included in the project manual, prepare an exhibit of ¼ of a 15" x 10" loaf of focaccia bread (do not include dipping oil); **OR** one baked pie shell – traditional, oil, or whole wheat (no graham cracker); **OR** ¼ Golden Sponge Cake, top side up, without frosting; **OR** ½ loaf French Bread. 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?

Food Science 1-4 (SF 50204)

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 during the exhibit period.

Sports Nutrition (SF 50206)

Prepare a display, digital presentation, or poster on one of the activity chapters in the manual that you completed. The activity chapters are listed by page number in the table of contents. 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. 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 during the exhibit period.

Examples for Activity 1

Example A: Make a video of yourself practicing flexibility, strength and endurance physical fitness activities and making pasta salad with different vegetable, pasta and dressing ideas. Bring a screen shot and brief description of your video to leave on display.

Example B: Make a poster of pictures of flexibility, strength and endurance physical fitness activities and information on the results of making the spinach and mandarin orange salad. Include answers to the questions in the book.

Food Preservation (SF 50208)

Prepare an exhibit using ONE of the following food preservation methods: canning; freezing; drying; pickles/relishes; jams, jellies and preserves **OR** a combination of these (see Preservation Combination option below), excluding Freezing. **No freezer jam exhibits will be allowed for Freezing; Jams, Jellies, and Preserves; or for the Preservation Combination options.**

- **Canning** – The exhibit should include two different canned foods in appropriate jars for the products. Food may be fruit, vegetable, or tomato product (i.e. salsa, juice, etc.).
- **Freezing** – Prepare a nutrition display that illustrates a freezing principle. There is NOT a food exhibit option for this preservation method.
- **Drying** – Exhibit two (2) different dried foods packed in plastic food storage bags. Choose from fruit, vegetable, fruit leather or meat jerky.
- **Pickles and Relishes** – Exhibit two pint jars of different recipes of pickles and/or relishes.
- **Jams, Jellies, and Preserves** – Exhibit half-pint jars of two different jams, jellies, and/or preserves.
- **Preservation Combination** – Exhibit two different preserved food products, excluding Freezing, in appropriate jars/packaging (drying). For example, exhibit 1 jar of tomatoes (Canning) and 1 half-pint of jelly (Jams, Jellies, and Preserves).

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: www.homefoodpreservation.com or web.extension.illinois.edu/foodpreservation/ Recipes must be processed in a water-bath or pressure canner.

All food 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.))

Examples:

- Strawberry jam, boiling water bath. July 13, 2014.
- Green beans, pressure canner. July 13, 2014.
- Beef jerky, food dehydrator and oven. July 13, 2014.

All food 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 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), Grandma's 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.

Foods Innovation Class (SF 50211)

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. 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. If you bring a food product, the food will NOT be tasted.

Foods Nutrition Ready4Life Challenge (SF 50210)

Open to 11- to 18-year-olds 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.

Foods Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

FORESTRY

Each county may submit 1 entry total from 50212, 50213, 50214; and 1 entry from 50216.

Forests of Fun 1 (SF 50212) Forests of Fun 2 (SF 50213) Forests of Fun 3 (SF 50214)

Exhibit any product or display illustrating an activity from the book. 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.

Forestry Ready4Life Challenge (SF 50216)

Open to 11- to 18-year-olds 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.

Forestry Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

GEOLOGY

Each county may submit 3 entries total from 50218, 50219, 50220, 50221, 50222; and 1 entry from 50224.

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.

Pebble Pups 1 (SF 50218)

Display 8 to 19 rocks and mineral specimens with three minerals in the collections. Collection may include duplications that show variations. Label collection and note where found.

Pebble Pups 2 (SF 50219)

Display at least 20, but no more than 29, rocks and mineral specimens with seven minerals in the collections. Collection may include duplications that show variations. Label collection and note where found.

Rock Hounds 1 (SF 50220)

Display at least 30, but no more than 40, rocks and mineral specimens with ten minerals in the collection. Rocks should include at least three igneous, two metamorphic, and three sedimentary groups. Label collection and note where found.

Rock Hounds 2 (SF 50221)

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.

Geology Innovation Class (SF 50222)

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. 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.

Geology Ready4Life Challenge (50224)

Open to 11- to 18-year-olds 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.

Geology Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

HEALTH

Each county may submit 3 entries total from 50226, 50227, 50228, 50229; and 1 entry from 50231.

Health 1 (SF 50226)

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.

Health 2 (SF 50227)

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.

Health 3 (SF 50228)

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.

Health Innovation Class (SF 50229)

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.

Health Ready4Life Challenge (SF 50231)

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.

Health Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

HORTICULTURE: FLORICULTURE

Each county may submit 3 entries total from 50192, 50193, 50194, 50195, 50196; and 1 entry from 50198.

Floriculture A (SF 50192)

Exhibit one of the following options:

- Create a flower arrangement; either a round arrangement or a bud vase. No silk flowers are permitted; **OR**
- Create 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**
- Exhibit in one container, 3 stems of blooms - each with attached foliage. Foliage that would go inside the container may be removed. All three blooms or stems should be the same variety, color, shape and size and must have been grown from seed, young seedling plants, bulbs or rhizomes by the exhibitor. (NOTE: Exhibitors choosing lilies should include no more than 2/3 of foliage for their exhibit.)

Floriculture B (SF 50193)

Exhibit one of the following options:

- Create an artistic display of dried flowers explaining how each was dried; **OR**
- Create 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.

Floriculture C (SF 50194)

Exhibit one of the following options:

- Create a 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 5 months. Exhibitor should be able to explain the different plant, soil, and environmental needs and watering requirements of a closed system; **OR**

- Exhibit a plant that you propagated from cuttings, 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 houseplants, <http://urbanext.illinois.edu/houseplants/default.cfm>.

Floriculture D (SF 50195)

Exhibit one of the following options:

- Create a centerpiece around a theme such as a wedding, holiday, birthday, etc. No silk flowers are permitted; **OR**
- Create an exhibit of forced bulbs in a pot.

Floriculture Display (SF 50196)

(Open to youth enrolled in Floriculture A, Floriculture B, Floriculture C, and Floriculture D)

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.

Floriculture Ready4Life Challenge (SF 50198)

Open to 11- to 18-year-olds 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.

Floriculture Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

HORTICULTURE: VEGETABLE GARDENING

Each county may submit 3 entries total for 50314, 50315, 50316; and 1 entry for 50318.

All vegetables exhibited 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 vegetables, including but not limited to different varieties, soil testing, fertilizers used, etc. Vegetable exhibits should be prepared according to the Illinois Vegetable Garden Guide website: <http://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 a Superior exhibit.

Vegetable Display (SF 50314)

(Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, and Vegetable Gardening D)

1. This class is allowed a 2'6" x 2'6" space for display.
2. Display must include 6 or more different kinds of vegetables. There may not be more than 2 different varieties of any vegetable. For example, red and white potatoes would be classified as two different varieties. Acorn squash and zucchini would be classified as two different vegetables.
3. The number and type of vegetables used must conform to the Vegetable Plate/Basket List.
4. Exhibitors must provide the name and variety of all vegetables used (i.e. Cabbage – Golden Acre; Cucumber, slicing – Straight Eight; Tomatoes, slicing – Rocky Top; Snap Beans – Contender, etc.).

Vegetable Plate (SF 50315)

(Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, and Vegetable Gardening D)

1. Exhibit must include 2 single vegetable plates. (Exhibitor will furnish the disposable plates.)
2. Number of vegetables on plates must conform to plate list below.
3. Only one variety on each plate.
4. An exhibitor cannot show two plates of the same type vegetable. (i.e.: Cannot exhibit red *and* white potatoes or zucchini *and* straightneck summer squash.)

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)	

Vegetable Gardening Display (SF 50316)

(Open to youth in Vegetable Gardening A, Vegetable Gardening B, Vegetable Gardening C, Vegetable Gardening D) Present an exhibit of the member's choice that focuses on some aspect of vegetable gardening which does not fit in the categories above. 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.

Vegetable Gardening Ready4Life Challenge (SF 50318)

Open to 11- to 18-year-olds enrolled in any Vegetable Gardening 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.

Vegetable Gardening Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

INTERCULTURAL

Each county may submit 1 individual entry from 50233; 1 individual entry from 50234; 1 individual entry from 50236; 1 club entry from 50235. **Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.**

Passport to the World, Individual (SF 50233)

Prepare a display illustrating what you have learned about a country's or U.S. region's geography, economy, agriculture, people, language, housing, culture, music, crafts, clothing, holidays or other aspect. Exhibit should be educational in nature and should not promote one's beliefs over another person's beliefs. 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. Include the project manual with completed sections that pertain to the exhibit information. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

Diversity & Cultural Awareness (SF 50234)

Create a display or binder portfolio that illustrates the results of a minimum of three (3) completed activities from the project book. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

Intercultural Ready4Life Challenge (SF 50236)

Open to 11- to 18-year-olds enrolled in any Intercultural 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.

Intercultural Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

Intercultural, Club, Includes *Passport to the World, Diversity & Cultural Awareness, and Latino Cultural Arts Projects* (SF 50235)

Exhibit a display illustrating the steps that the club has completed on the project selected for the year. Include a written outline or report of accomplishments and future goals. 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 the club members have 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. The display must be accompanied by 3 or more club exhibitors at the time of the judge's critique. Club members should make a 5- to 10-minute presentation to the judge. All club members present for the judge's critique should be able to discuss the project and answer questions. Only club members present for judging who participate in the actual critique and presentation are eligible for ribbons and premiums. Due to space restrictions, exhibits are limited to 2' 6" wide and 15" deep.

INTERIOR DESIGN

Each county may submit 2 entries total from 50242, 50243, 50244, 50245; and 1 entry from 50247.

Design Decisions, Beginning (SF 50242)

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.

Design Decisions, Intermediate (SF 50243)

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.

Design Decisions, Advanced (SF 50244)

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.

Interior Design Innovation Class (SF 50245)

Open to 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.

Interior Design Ready4Life Challenge (SF 50247)

Open to 11- to 18-year-olds 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.

Interior Design Maker (SF 50400)

****Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.**

LEADERSHIP

Each county may submit 3 entries total from 50249, 50250, 50251, 50252; 2 entries from 50254; 1 entry from 50255.

Leadership 1 (SF 50249)

Create a binder portfolio with a minimum of four (4) completed activities each year from the areas noted below. Build upon your previous year's work. Photocopies or original pages of the completed activities from the book should be included in the portfolio.

- **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.

Leadership 2 (SF 50250)

Building upon your previous work, continue adding to your binder portfolio with a minimum of four (4) completed activities each year from the areas noted below. Photocopies or original pages of the completed activities from the book should be included in the portfolio.

- **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.

Leadership 3 (SF 50251)

Building upon your previous work, continue adding to your binder portfolio with a minimum of four (4) completed activities each year from the areas noted below. Photocopies or original pages of the completed activities from the book should be included in the portfolio.

- **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.

Leadership Innovation Class (SF 50252)

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. 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.

Leadership Ready4Life Challenge (SF 50255)

Open to 11- to 18-year-olds 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.

Leadership Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

Leadership Group Exhibit (SF 50254)

Open to clubs and groups whose members are enrolled in any Leadership project

Exhibit a display illustrating how your group has used the Teens As Leaders model effectively in your club, community, school, or state. Leadership 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. 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. The display must be accompanied by 3 or more 4-H members at the time of the judge's critique. Club members should make a 5- to 10-minute presentation to the judge. All club members present for the judge's critique should be able to discuss the project and answer questions. 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.

NATURE: NATURAL RESOURCES AND OUTDOOR ADVENTURES

Each county may submit 3 entries from 50256, 50257, 50258, 50259; 1 entry from 50267.

Electricity and water are NOT available for these displays. **NO live animals or reptiles are permitted in these exhibits.**

Natural Resources 1 (SF 50256)

Exhibit any item developed from the project book, *Step Into Nature*.

Natural Resources 2 (SF 50257)

Exhibit any item developed from the project book, *Explore the Natural World*.

Natural Resources 3 (SF 50258)

Exhibit any item developed from the project book, *Blaze the Trail*.

Outdoor Adventure 1-3 (SF 50259)

Exhibit a display illustrating an activity completed from the project manual.

Natural Resources Ready4Life Challenge (SF 50267)

Open to 11- to 18-year-olds enrolled in any Natural Resources and Outdoor Adventures 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.

NATURE: FISHING AND WILDLIFE

Each county may submit 3 entries total from 50260, 50261, 50262, 50266, 50263, 50265; and 1 entry from 50291.

Sportsfishing 1 (SF 50260)

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. For safety reasons, lures must be placed in a plastic case.

Sportsfishing 2 (SF 50261)

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). For safety reasons, lures must be placed in a plastic case.

Sportsfishing 3 (SF 50262)

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; sportsfishing careers; or identifying insects that fish eat. For safety reasons, lures must be placed in a plastic case.

Wildlife 1 (SF 50266) **Wildlife 2** (SF 50263) **Wildlife 3** (SF 50265)

Exhibit any activity developed from the project manual. (Ex. Create a display of the life history of an animal.) Within the exhibit, explain the importance of and concept behind the exhibit.

Fishing & Wildlife Ready4Life Challenge (SF 50291)

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.

Natural Resources Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

Exploring Your Environment 1 (not eligible for state fair)

Prepare a display or poster that illustrates an activity from the project manual. The display should demonstrate an understanding of natural and/or manmade environments, how humans affect the environment, or how the environment affects our lives. Include your project manual that documents activity recordkeeping, your answers to activity questions, and details the exhibitor's thoughts and ideas.

Exploring Your Environment 2 (not eligible for state fair)

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

PHOTOGRAPHY

Each county may submit 3 entries total from 50268, 50269, 50270, 50271, 50272; and 1 entry from 50274.

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: <https://4h.extension.illinois.edu/members/projects/photography>. Photos may be taken with a camera, an electronic tablet (i.e. iPad), or a cell phone.

ALL photos (including Photo Editing exhibits) must be accompanied by details of the camera settings that include:

- a. Camera/device used
- b. Aperture (F-stop)
- c. Exposure time (shutter speed)
- d. ISO (film/sensor sensitivity)
- e. Lighting used (flash, artificial, sunlight, other)

- f. Photo editing software/application used (required for ALL edits and retouches except for cropping)
- g. Filters used (lens filters and/or digital/software filters)

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.

The exhibition size requirements for all photographs will be:

Minimum image size: 5X7

Maximum image size: 8X10

Maximum exhibit size (including frame): 18X20

All exhibitors must include unframed (taped to the back of the framed exhibit or attached to the project booklet) **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.

NOTE: Images taken with devices that apply an automatic filter will not be eligible for award.

Photography 1 (SF 50268)

Exhibit one framed photo which demonstrates your understanding of a technique you learned from your Photography 1 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.

Photography 2 (SF 50269)

Exhibit one of the options listed below:

- Exhibit one framed 8x10 close-up photograph using the skills learned on page 62-63 of the project manual titled "Bits and Pieces." No photo editing is allowed in this class except cropping and red eye removal; **OR**
- Exhibit one framed 8"x10" photo which demonstrate your understanding of a technique you learned from your Photography 2 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.

Photography 3 (SF 50270)

Exhibit one of the options listed below:

- Exhibit one framed 8" x 10" still-life photo that demonstrates good composition, including color, form, texture, lighting and depth of field. No photo editing is allowed in this class except cropping and red eye removal; **OR**
- Exhibit one framed 8"x10" photo which demonstrate your understanding of a technique you learned from your Photography 3 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.

Photo Editing (SF 50271)

Open to members in Photography 1, Photography 2, and Photography 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 award.

Photography Innovation Class: (SF 50272)

Open to youth enrolled in Photography 1, 2, and 3.

Demonstrate the skills and knowledge you have gained through the Photography 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. 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. 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 one framed photo illustrative of the work you are presenting.

Photography Ready4Life Challenge (SF 50274)

Open to 11- to 18-year-olds 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.

Photography Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

PLANTS & SOILS

Plants & Soils 1 (not eligible for state fair)

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. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

Plants & Soils 2 (not eligible for state fair)

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, answers activity questions, and details personal thoughts and ideas.

Plants & Soils 3 (not eligible for state fair)

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. Include your project journal that documents activity recordkeeping requirements, answers activity questions, and details personal thoughts and ideas.

Plants & Soils Ready4Life Challenge (not eligible for state fair)

Open to 11- to 18-year-olds enrolled in any Plants & Soils 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.

Plants & Soils Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

ROBOTICS

Each county may submit 3 entries total from 50285, 50286, 50288, 50289, 50292; and 1 from 50293 to the State Fair.

NOTE: 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 classes Robotics 1 beginning, 50285, and 50286 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 under Innovation Open Source class.

Robotics 1: Beginning (not eligible for state fair)

Exhibitors should complete Activities 1-6. Exhibitors will design, build and program a robot that can autonomously follow a predetermined path that changes direction at least 4 times during a single run. They will bring their Robotics Notebook to share what they learned about the engineering design process and programming.

Robotics 1: Intermediate (SF 50285)

Exhibitors should complete Activities 7-12. Exhibitors will design, build and program a robot that uses at least one sensor to autonomously follow a path, respond to, and or avoid obstacles. Exhibitors in this class must use at least one sensor in their robot design. They will bring their Robotics Notebook to share what they learned about the engineering design process and programming.

Robotics 2 (SF 50286)

Exhibitors should complete Activities 1-7. Exhibitors will design, build and program a robot that uses sensors and programming to complete one of the provided challenges. They will bring their robot and Robotics Notebook to share changes they made to the robot and/or program along the way, and to describe their experience with completing the challenge.

Robotics Innovation Open Source Class (SF 50292)

Open to youth enrolled in Robotics 3, but may also include youth in Robotics 1 or 2 if the exhibits meets the guidelines.

Exhibit an original robot, either homemade or a kit that does not fall under Robotics 1 or 2 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 will not be accepted. Exhibitors are also 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.

Junk Drawer Robotics 1 (not eligible for state fair)

Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 1 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

Junk Drawer Robotics 2 (SF 50288)

Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 2 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

Junk Drawer Robotics 3 (SF 50289)

Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 3 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

Robotics Ready4Life Challenge (SF 50293)

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.

Robotics Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

SHOOTING SPORTS

Each county may submit 2 entries total from 50401, 50402, 50403, 50404, 50405; and 1 from 50406.

Members must be a member of an approved 4-H Shooting Sports Club to exhibit.. All exhibits should be posters or stand-alone items suitable for display to the general public. Stand-alone items have the intent to enhance the discipline such as a quiver, gun case, gun sling, locking cabinet, gun or target stand, sporting clays equipment wagon, etc. Exhibits deemed to be inappropriate by a superintendent will not be displayed.

NOTE: Shooting Sports Displays are prohibited from displaying the following:

- No live ammunition
- No knives or arrow tips (including field points, hunting broadheads, etc.)
- No functional or non-functional bows, firearms or firearm parts that could be reassembled are allowed.
- No humanoid shaped targets or reference to paintball, laser tag, air-soft, or pointing of any type of firearm or bow toward another person is allowed.
- No display involving primarily tactical design firearms (i.e. AR platform or military type firearms)
- No reference or use of the word “weapon” should be used in a display
- Make sure there are no safety violations in your display. (Example: no earplugs or safety glasses in a picture of a person shooting a firearm.)

Shooting Sports: Archery (SF 50401)

Exhibit a poster or stand-alone display depicting safe archery handling, range safety, the parts of the bow, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

Shooting Sports: Rifle (SF 50402)

Exhibit a poster or stand-alone display depicting safe firearm handling, range safety, the parts of the rifle, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

Shooting Sports: Shotgun (SF 50403)

Exhibit a poster or stand-alone display depicting safe firearm handling, range safety, the parts of the shotgun, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

Shooting Sports: Hunting & Outdoor Skills (SF 50404)

Exhibit a poster or stand-alone display related to something you learned in the Hunting & Outdoor Skills project.

Shooting Sports: Pistol (SF 50405)

Exhibit a poster or stand-alone display depicting safe firearm handling, range safety, the parts of the pistol, tracking the target, target sighting, or another topic you have learned through the 4-H Shooting Sports program.

Shooting Sports Ready4Life Challenge (SF 50406)**Open to 11- to 18-year-olds enrolled in any Shooting Sports 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.

Shooting Sports Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

SMALL ENGINES

Each county may submit 1 entry total for 50294; and 1 entry for 50297.

Small Engine displays must be no larger than 4' x 4' display board. Exhibits must be portable. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display. No electrical power is available for displays/exhibits.

Small Engines 1-3 (SF 50294)

Exhibit a display, selecting one of the following items:

- **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.
- **Compression System:** Explain how heat energy is produced by an engine and converted into mechanical energy.
- **Heat Transfer:** Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine.
- **Filter Maintenance:** Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine.
- **What does a serial number reveal?:** Explain the various information that can be learned from the serial number or identification number stamped on the shroud of a Briggs & Stratton engine.
- **Tools to do the job:** Identify and explain the function(s) of different specialty tools needed for small engine work.
- **Experimentation:** Explain through illustration an experiment you conducted from the project manual showing the results of your work.

Small Engines Ready4Life Challenge (SF 50297)**Open to 11- to 18-year-olds 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.

Small Engines Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

SMALL PETS

For youth enrolled in **Small Pets 1, Small Pets 2, Small Pets 3, or Guinea Pigs**

Animal Science Small Pets (SF 50135)

Prepare a display focusing on any activity related to the small pets 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. 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. 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.

Animal Science Guinea Pig Display (SF 50135)

Prepare a display focusing on any activity related to the small pets 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. 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. 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.

Animal Science Small Pets / Guinea Pig Ready4Life Challenge (SF 50137)

Open to 11- to 18-year-olds enrolled in any Small Pets 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 Pets Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

TECHNOLOGIES

3-D PRINTING & DESIGN: Choose one of the following classes based on your interest and skill level.

3-D Design Beginner (not eligible for State Fair)

No 3-D Printer or 3-D printed object is required for this exhibit. Exhibit a simple 3-D rendered design using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The design must be an object that performs a specific task, and may not be based on already existing 3-D models. It must be able to be 3-D printed. Any CAD software can be used, but files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging. Exhibits in this class may not have multiple parts, doors, hinges, or any sort of mechanics.

Exhibitors are expected to use the engineering design process to complete their designs. This process is important to the outcomes and exhibitors must keep a log outlining the step-by-step notes, sketches, and documentation from throughout the design process. The logbook should define the problem that is being solved/use of the object and describe in detail each step of the Engineering Design Process taken during the creation of the invention.

3-D Design Advanced (not eligible for State Fair)

Exhibitors are expected to go above and beyond those expectations set in 3-D design beginner. No 3-D Printer or 3-D printed object is required for this exhibit. Exhibit a complex 3-D rendered design using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The design must be an object that performs a specific task, and may not be based on already existing 3-D models. It must be able to be 3-D printed. Any CAD software can be used, but files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging. Exhibits in this class **MUST** not have multiple parts, doors, hinges or some sort of mechanistic feature to accomplish a specific task.

Exhibitors are expected to use the engineering design process to complete their designs. This process is important to the outcomes and exhibitors must keep a log outlining the step-by-step notes, sketches, and documentation from throughout the design process. The logbook should define the problem that is being solved/use of the object and describe in detail each step of the Engineering Design Process taken during the creation of the invention.

3-D Printing Beginner (not eligible for State Fair)

Exhibit a simple 3-D printed object designed using Computer Aided Design (CAD) Software such as Tinker CAD or Inventor. The 3-D printed object must perform a specific task, and may not be based on already existing 3-D models. It must be 3-D printed using ONLY A COMMERCIALY AVAILABLE HOME/DESKTOP 3-D PRINTER. In addition, original design files must accompany each exhibit. These files must be in .STL format. Bring your design on a jump drive to be viewed for judging. Exhibits in this class may not have multiple parts, doors, hinges or any sort of mechanics.

Exhibitors are expected to use the engineering design process to complete their designs. This process is important to the outcomes and exhibitors must keep a log outlining the step-by-step notes, sketches, and documentation from throughout the design and print process. The logbook should define the problem that is being solved/use of the object and describe in detail each step of the Engineering Design Process taken during the creation of the invention.

3-D Printing Advanced (not eligible for State Fair)

Exhibitors are expected to go above and beyond those expectations set in 3-D Printing beginner. Exhibit a Complex 3-D printed object designed using Computer Aided Design (CAD) software such as Tinker CAD or Inventor. The 3-D print must be an object that performs a specific task, and may not be based on already existing 3-D models. Exhibits in this class MUST have multiple parts, doors, hinges or some sort of mechanical feature. It must be 3-D printed using ONLY A COMMERCIALY AVAILABLE HOME/DESKTOP 3-D PRINTER. In addition, original design files must accompany each exhibit. These files must be in .STL format. Bring your design on a Jump Drive to be viewed for judging.

Exhibitors are expected to use the engineering design process to complete their designs. This process is important to the outcomes and exhibitors must keep a log outlining the step-by-step notes, sketches, and documentation from throughout the design and print process. The logbook should define the problem that is being solved/use of the object and describe in detail each step of the Engineering Design Process taken during the creation of the invention.

3-D Printing & Design Ready4Life Challenge (not eligible for State Fair)

Open to 11- to 18-year-olds enrolled in any 3-D 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.

3-D Print & Design Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

UNMANNED AERIAL VEHICLES/SYSTEMS (DRONES):

Choose one of the following classes based on your interest and skill level.

UAV Display (not eligible for State Fair)

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. 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. Non-UAV/ Drone projects should not be entered in this class.

UAV Unmanned Aerial Systems (not eligible for State Fair)

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 multicopters (tri, quad, hex, and octocopters), as well as FPV airplanes and flying wings with wingspans up to 36". 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 unless the weather permits, and flights have been approved by the local FAA/Air Traffic Control Tower. Attach the printed directions of the UAV if any were used.

UAV Ready4Life Challenge (not eligible for State Fair)

Open to 11- to 18-year-olds enrolled in any UAV 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.

UAV Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

THEATRE ARTS

Each county may 3 entries total for 50299, 50301, 50302; and 1 entry for 50304.

Theatre Arts 1 (SF 50299)

Exhibit one of the following items:

- 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.); **OR**
- Display illustrating a drawing/photograph of a clown character created by the exhibitor; **OR**
- Display illustrating a picture story developed by the exhibitor.

Theatre Arts 3 (SF 50301)

Exhibit one of the following items:

- Portfolio of activities for set design; make-up; or sound, props, or costuming completed during the current year; **OR**
- 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); **OR**
- Display a scenic design model to depict a scene from a script; **OR**
- 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.

Theatre Arts Innovation Class (SF 50302)

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.

Theatre Arts Ready4Life Challenge (SF 50304)

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.

Theatre Arts Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

TRACTOR

Each county may submit 2 entries total for 50306, 50307, 50308, 50309, 50310; and 1 entry for 50312.

Tractor A (SF 50306)

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.

Tractor B (SF 50307)

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 project manual.

Tractor C (SF 50308)

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.

Tractor D (SF 50309)

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.

Tractor Innovation Class (SF 50310)**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.

Tractor Ready4Life Challenge (SF 50312)**Open to 11- to 18-year-olds 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.

Tractor Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

VETERINARY SCIENCE

Each county may submit 1 entry total from 50320; and 1 entry from 50322.

Veterinary Science (SF 50320)**(Open to youth in Veterinary Science 1, Veterinary Science 2, and Veterinary Science 3)**

Prepare a display focusing on any activity related to the veterinary science 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. 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. Exhibits may include activities from Veterinary Science projects OR from any other Animal project area

Veterinary Science Ready4Life Challenge (SF 50322)**Open to 11- to 18-year-olds enrolled in any Veterinary Science 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.

Vet Science Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

VIDEO/FILMMAKING

Each county may submit 3 entries total from 50324, 50325, 50326, 50327, 50328; and 1 entry from 50330. Enrollment in the Video project is required to exhibit in the classes in this section.

All Exhibitors must bring their video to be judged on a USB flash drive and saved in .MP4 format. Exhibitors are encouraged to post their video on YouTube.com in advance of State Fair. Exhibitors may choose whether to make the video “public, unlisted” (someone must have the link to view it), or “private” (only people you choose may view it). This will allow fairgoers to view the exhibits on display. There will be monitors at the exhibit table for viewing videos so exhibitors will NOT need to bring a laptop or device for viewing.

Requirements that apply to ALL video classes:

Video submissions should be no longer than five (5) minutes in length (unless noted differently in class description.). Videos are to be original and a result of the member’s current year’s work. Criteria for judging 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 regulations 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 materials which will remain on display.**

Commercial or Promotional Video (SF 50324)

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

Animated Video (SF 50325)

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.

Documentary (SF 50326)

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, and/or interviews with experts or constituents related to the topic of investigation.

Short Story or Short Narrative (SF 50327)

Prepare a short video that tells a story. The video should demonstrate skills in making and editing video.

Video/Filmmaking Innovation Class (SF 50328)

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. 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.

Video/Film Ready4Life Challenge (SF 50330)

Open to 11- to 18-year-olds enrolled in any Video/Film 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.

Video Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

VISUAL ARTS

Each county may submit one entry from these projects:

- Food Decorating (1 total from 50332, 50333, 50334, 50335)
- Chalk/Carbon/Pigment on wood, metal or textiles (Division B) 50352
- Clay 50337
- Computer-Generated Art 50338
- Fiber 50339
- Fiber Non-Original Ages 8-10 Only 50350
- Glass/Plastic 50340
- Heritage Arts 50341
- Leather 50321
- Metal 50342
- Nature 50343
- Paper 50344
- Scrapbooking (1 total from 50345, 50346, 50347)
- Three-Dimensional Design/Mixed Media 50348
- Wood 50349
- Ready4Life 50351

Each county may submit two entries from Chalk/Carbon/Pigment on canvas, paper or glass (Division A) 50336

Exhibitors must be enrolled in the Visual Arts project category in which they are exhibiting. Exhibitors are encouraged to date the project when it is made. 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 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. Kits and preformed molds are not considered original and are not acceptable in any Visual Arts Class. 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. This also applies for ideas found on a site such as Pinterest. If you see something on Pinterest that you like, use the concept and create something different using the concept; however if it MUST NOT look exactly like something the judge can search for and find on Pinterest. 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. If a photo, sketch, or other idea source was used, submit it with your entry, firmly attached to your exhibit. Be prepared to explain how and where you got the idea for this project.

Members wishing to exhibit quilts made from a pattern may enter it in Heritage Arts. Quilts exhibited in the Visual Arts – Heritage Arts area will be evaluated using a visual arts rubric which takes into account correct use of design elements; craftsmanship; and creativity. All work on the quilt MUST be completed by the 4-H member. You cannot exhibit a quilt that was quilted by someone else.

Visual Arts Food Decorating Beginning (SF 50332)

Exhibit one of the following:

- Exhibit four decorated cookies, using a minimum of four different techniques. Exhibit may use cookies OR cookie forms.
- Exhibit four decorated cupcakes, using a minimum of four different techniques. Exhibit may use cupcakes OR cupcake forms.
- Exhibit a single layer decorated cake, using a minimum of four different techniques. Exhibit may use cake OR cake form.

Visual Arts Food Decorating Intermediate (SF 50333)

Exhibit one of the following:

- Exhibit four decorated cookies, using a minimum of five Level 2 techniques. Exhibit may use cookies OR cookie forms.
- Exhibit four decorated cupcakes, using a minimum of five Level 2 techniques. Exhibit may use cupcakes OR cupcake forms.
- Exhibit a single layer or two-layer cakes, using a minimum of five Level 2 techniques. Exhibit may use cake OR cake form.

Visual Arts Food Decorating Advanced (SF 50334)

Exhibit a decorated, stacked and/or tiered cake, using a minimum of four Level 3 techniques. Exhibit may use cake OR cake form.

Visual Arts Food Decorating Master (SF 50335)

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.

Visual Arts Chalk/Carbon/Pigment: Enter the division based on the type of material on which the art was created.

Division A: Canvas, Paper, Glass: (SF 50336)

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, printing, etc. Painted and/or glazed pre-formed ceramics and painted porcelain dolls are not eligible for State Fair exhibit. Drawings and paintings should be matted or framed under glass. (Exceptions: Oil and acrylic paintings do not require glass and are not required to be matted.) Water color, 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 the type of mat used.

Division B: Wood, Metal, Textiles: (SF 50352)

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 for State Fair exhibit. Any exhibits created as a piece of wall art must be prepared for hanging.

Visual Arts Clay: (SF 50337)

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 cornstarch clay could be accepted. Items can include, but are not limited to, clay statues, bowls, jewelry, etc. Pre-formed ceramics are not eligible for State Fair exhibit.

Visual Arts Computer-Generated Art: (SF 50338)

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. Photo mosaics are NOT allowed. Exhibitors in this class (like all other classes in this sub-section) must be enrolled in Visual Arts; Computer project enrollment is not required. NOTE: Wood and metal exhibits created through the use of laser cutting programs/devices should be entered in this class. Plastic exhibits with an artistic focus created using a 3-D printer should be entered in this class. If the art created is designed to hang, then the entry should have some protective covering, such as a glass frame, and prepared for hanging. If the art is something that has been created with a laser cutting program/device and is NOT designed to hand, it does not require protective covering nor does it need to be prepared to hang.

Visual Arts Fiber: (SF 50339)

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, and baskets. **Original** cross-stitched, knitted, crocheted or quilted items belong in this Fiber class. **Non-original** cross-stitched, knitted, crocheted or quilted items should be entered in Heritage Arts. Machine knitted items are not appropriate for this class.

Visual Arts Fiber Non-Original AGES 8-10 ONLY: (SF 50350)

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.

Visual Arts Glass/Plastic: (SF 50340)

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 (i.e. LEGOS) are not suitable for State Fair entry. Stepping stones or wall hangings that include cement decorated with glass or plastic items are not suitable for this class.

Visual Arts Heritage Arts: (SF 50341)

Exhibit an item of **traditional** art learned from another person or **from a pattern** (NO KITS) may be entered in this class. 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 openwork), macramé, baskets, candles, pysanki (decorated eggs), leather, quilts, baskets (made using a traditional pattern), traditional handmade dolls with handmade costumes, 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.

Visual Arts Leather: (SF 50321)

Exhibit one of the following options using leather.

- Leather: Stamping: Exhibit should utilize one or more stamping techniques – exhibit examples include items such as belt; coasters; bookmark; key chain; wrist bracelet.
- 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.
- Leather: Lacing: Exhibit to include stamping and/or carving techniques incorporated with lacing techniques – exhibit examples include items such as wallets; purses; etc.
- 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 techniques.

Visual Arts Metal: (SF 50342)

Any original item made of metal such as sculpture, tin punch, engraved metal, and jewelry. Items intended for industrial use (as tools and/or shop items) are not considered part of this Visual Arts project and are not eligible for entry. Metal items that have been partially or totally created through the use of laser cutting programs/devices should be entered in Computer-Generated Art.

Visual Arts Nature: (SF 50343)

Any original item made of natural material such as wreaths, cornhusk dolls, etc. Items should 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. Candles are not suitable as entries. All baskets should be entered in Heritage Arts.

Visual Arts Paper: (SF 50344)

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 are not appropriate for this class. Scrapbooks should be exhibited in Visual Arts Scrapbooking.

Visual Arts Scrapbooking, Beginning: (SF 50345)

Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), 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. Beginners must use a minimum of four embellishments and tell a story with pictures.

Visual Arts Scrapbooking, Intermediate: (SF 50346)

Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), 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. Intermediate level exhibitors must use a minimum of eight embellishments and tell a story with pictures and journaling.

Visual Arts Scrapbooking, Advanced: (SF 50347)

Exhibit one album or notebook, either 8 ½" x 11" or 12"x12", with a front and back cover. The album/notebook must have a minimum of 4 pages (front and back, 8 sides), 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. Advance level exhibitors must use a minimum of 12 embellishments and tell a compelling story with pictures, journaling, and other media.

Visual Arts Three-Dimensional Design/Mixed Media: (SF 50348)

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 freestanding 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 preformed or assembled projects are not acceptable.

Visual Arts Wood: (SF 50349)

Any original item made of wood (wood carving, sculpture, collage, wood burning, etc.). Utilitarian wood items made from patterns or kits (e.g. outdoor or indoor furniture, shelves) should be entered in woodworking, not in visual arts. Popsicle stick

crafts are not acceptable for State Fair entry. Wood items that have been partially or totally created through the use of laser cutting programs/devices should be entered in Computer-Generated Art. 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 Ready4Life Challenge: (SF 50351)

Open to 11- to 18-year-olds 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.

Visual Arts Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

WEATHER

Each county may submit 1 entry total 50392, 50393, 50394; and 1 entry from 50395.

Weather and Climate Science I (SF 50392), **2** (SF 50393), & **3** (SF 50394)

Exhibit any product or display illustrating an activity from the book. 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.

Weather Ready4Life Challenge (SF 50395)

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.

Weather Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

WELDING

Each county may submit 2 entries total from 50353; and 1 entry from 50355.

Welding (SF 50353)

This exhibit class is open to members who are in the 7th grade and higher. 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* (4-H 573 – Shielded Metal Arc Welding). **This class is for industrial welding only.** (Members that wish to use welding to create objects with an artistic appeal should consider enrolling in the 4-H Visual Arts project and consider entering those types of exhibits in the Visual Arts – Metal class.) Exhibits must be portable and cannot be exhibited on a trailer.

Welding Ready4Life Challenge (SF 50355)

(Open to 11- to 18-year-olds 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.

Welding Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.

WOODWORKING

Each county may submit 2 entries total from 50357, 50358, 50359, 50360; and 1 entry from 50362.

Woodworking 1 (SF 50357) **Woodworking 2** (SF 50358) **Woodworking 3** (SF 50359) **Woodworking 4** (SF 50360)

Any item made of wood constructed or refinished by the member, appropriate for their age, skills and ability in this project. Pre-cut kits assembled by the member are not acceptable. Exhibits must be portable and cannot be exhibited on a trailer.

Woodworking Ready4Life Challenge (SF 50362)

Open to 11- to 18-year-olds 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.

Woodworking Maker (SF 50400)

**Refer to rules for Maker classes in Aerospace category at beginning of General Project Section.