2018 ILLINOIS STATE FAIR 4-H GENERAL PROJECT DIVISION

Exhibiting in the 4-H Exhibit Division at the Illinois State Fair is a privilege. It is the responsibility of the exhibitor to follow the General Rules of this division and the exhibit requirements for the specific class entered. The Illinois State Fair, State 4-H Office, and local University of Illinois Extension personnel or their assigned agents do not assume liability for loss, theft, or damage to any exhibit.

General Rules

EXHIBITORS:
1. Exhibitors must have been pre-selected by their county 4-H Extension program as a state fair exhibitor.

2. Exhibitors must be currently enrolled as a 4-H member and have been at least 8 years old as of September 1, 2017. Parents and leaders should make provisions for the adequate care and supervision of exhibitors.

3. Exhibitors must be enrolled in the project or have participated in the activity in which they are exhibiting during the current year. Due to the nature of the conference judging process, exhibitors must be present with the exhibit that they have made for judging on their assigned county exhibition day. Scheduling adjustments for religious reasons may be requested by contacting the Illinois State 4-H Office @ illinois4H@illinois.edu by August 1, 2018.

4. Exhibitors must be present for judging. No Skype or Face Time sessions will be allowed. If a 4-H member needs a reasonable accommodation to participate in the General Project Show, please contact the Illinois State 4-H Office @ illinois4H@illinois.edu by August 1, 2018.

ENTRY PROCEDURE:
5. Local Extension offices will make all entries in this division for their 4-H members via 4-H Online by August 1, 2018. Counties needing permission for late entries after August 1 (due to late local shows) should contact Dan Horn at the State 4-H Office in writing by July 15, 2018.

6. Each county may make the number of entries allowed in each area as stated. Counties with more than 500 members are allowed 12 additional exhibits/exhibitors for state fair. These additional exhibits may be entered in any class/classes of the county’s choosing. Current enrollment figures should be used to determine entry numbers. Multi-county Extension units have the option of combining enrollments from all counties within the unit to determine a total number of entries, using the quota systems. This procedure, if used, must be used for ALL State Fair class entries from that multi-county unit.

GENERAL EXHIBIT GUIDELINES:
7. All exhibits must be products of the current 4-H year (September 1, 2017 - August 9, 2018). 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. Determination of exhibit eligibility rests solely with the University of Illinois Extension Assistant Dean and Director, 4-H and designated persons.
8. A 4-H member may enter only one individual exhibit and one group exhibit in the 4-H General Project Show. This also applies to exhibitors who are enrolled in projects in two different counties. If they are identified as a state fair delegate in two counties, they will have to choose one individual and/or group project to exhibit.

9. Exhibits illustrating inappropriate subject matter and/or graphics are not acceptable. The Superintendents reserve the right to remove exhibits deemed inappropriate or dangerous for youth audiences. The content of any 4-H competitive presentation does not necessarily reflect the beliefs or views of the Illinois State Fair or the University of Illinois Extension 4-H program.

10. 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. Exhibitors will need to carry their project from the distant parking lots on the fairgrounds.

11. INNOVATION CLASSES are open to any 4-H member who was at least 13 by September 1, 2017. Members choosing to exhibit in the Innovation class may be enrolled in any level of the Project they are studying. Members choosing to exhibit in the Innovation class decide the best way to show off their project mastery and knowledge for the year in that project category. Some suggestions are provided for each category, but members may choose any method they want for demonstrating project learning as long as it does not fit in any other class in that category. Only selected projects categories have an Innovation option.

12. READY4LIFE CLASSES (Career & Entrepreneurship Exploration) are open to any 4-H member who was at least 11 by September 1, 2017. 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. Counties are eligible to send one Ready 4 Life exhibit for each project category in addition to the total allowed for that division.

EXHIBIT JUDGING PROCEDURE & SCHEDULE:

13. The County Extension office will provide official exhibit tags for all exhibitors prior to the state fair. This entry tag should be completely filled out and securely attached to the exhibit. County exhibit tags and ribbons should be removed.

14. All exhibitors from a county will exhibit the same day (see schedule below). A 4-H member may also show in the junior livestock show, but they must be present at the required time for their general project judging. If possible, attempts will be made to accommodate livestock exhibitors within the judging time span, but no premium will be awarded if the exhibitor misses their judging time.

15. The General Project Exhibit will be held in the Orr Building of the state fairgrounds. Members must drop off their projects any time from 8 to 9:30 a.m. All projects should be in place by 9:30. Judging is scheduled throughout the day. The judging schedule will be posted in each area. Members should check the judging schedule and return to the judging area about 10 minutes before their scheduled judging time. Projects must remain on display throughout the day until 3:30 p.m. All projects must be removed no later than 4:30 daily. If you cannot remain until 3:30, you may make arrangements with another person from your county to pick up your project on your behalf, as long as you provide them your claim ticket.

RECOGNITION:

16. All exhibitors will receive an Award of Excellence ribbon for participating. Approximately 25% of the exhibitors will be awarded Superior awards at the judges’ discretion. Judges take into account the display and information provided during the interview in determining Superior awards. Exhibitors who do not follow the exhibit class guidelines and requirements are ineligible to receive a Superior award. The judge’s decision that is posted on the official judge’s class list is final unless it has been determined that an exhibitor has not followed
the guidelines or rules for that exhibit class

17. Premium checks will be awarded to those exhibitors who receive a Superior award. The amount of the individual premium is determined by total number of Superior awards given. Exhibits must remain on display until the posted release time or whenever judging is completed, whichever is later.

18. Premiums offered by Fair in the 4-H division total $15,000. NOTE: 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 document.

STATE FAIR EXHIBIT SCHEDULE 2018

All General 4-H Exhibits from these counties will be judged on these dates:

Friday, August 10

Saturday, August 11

Sunday, August 12

Monday, August 13
Boone, Clark, Clay, Crawford, DeKalb, DuPage, Edgar, Effingham, Fayette, Jasper, Kane, Kendall, Livingston, Logan, McLean, Menard, Ogle, Sangamon, and Woodford counties.
**AEROSPACE**

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

50130  **Model Rocketry: (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.

50131  **Aerospace Display: (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.

50133  **Aerospace Ready4Life Challenge: (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.

**ANIMAL SCIENCE**

(open to members in Beef, Cats, Dairy, Dogs, Goats, Horse & Pony, Poultry, Rabbits, Sheep, Small Pets, and Swine)

Each county may submit 2 entries total from 50135; and 1 entry from 50137.

50135  **Animal Science: Prepare a display focusing on any activity related to the animal science 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.

50137  **Animal Science Ready4Life Challenge: (Open to 11- to 18-year-olds enrolled in any Animal 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.

**CITIZENSHIP**

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

50145  **Citizenship 1: Exhibit a display illustrating one of the following options:** 1) personal information about
yourself – who you are, things you like to do, things you are good at, your favorites; 2) your feelings and how you handle 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.

50146 Citizenship 2: Exhibit a display illustrating one of the following options: 1) your neighborhood; 2) how you were a good neighbor or led a service project for your community; OR 3) a Citizenship Challenge that you helped organize and lead (see the project book for details). Due to space restrictions, exhibits are limited to 2’ 6” wide and 15” deep.

50147 Citizenship 3: Exhibit a display illustrating one of the activities that you completed within your project as it relates to one of the following categories in the manual: 1) Government; 2) Business and Industry; 3) Transportation, Communication & Utilities; 4) Culture & Heritage; 5) Natural Resources & Environment; 6) Education; 7) Organizations within your community; 8) Tourism; OR 9) Support Systems within your community. Due to space restrictions, exhibits are limited to 2’ 6” wide and 15” deep.

50149 Citizenship Ready4Life Challenge: (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.

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

50151a Non-Sewn Exhibits: Exhibit one of the following

- Clothing Portfolio – Complete at least three different samples/activities from Chapter 2 and/or Chapter 3 of the project manual. Examples of samples you might include: How Two Magically Become One, pages 85-86; No Fear of Fray, pages 93-95; Two Sides of the Moon, pages 97-99; On the Flip Side, pages 101-104; Basic Hand Sewing Skills, pages 106-108. The Portfolio should be placed in an 8 ½ x 11, 3-ring binder. Include an appropriate cover, dividers, and table of contents. NOTE – additional pages can be added each year but must be dated with the year. See pages 9-10 of 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.

50151b Sewn Non-Clothing Exhibits: 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

50151c Sewn Clothing Exhibits: 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.)

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.

STEAM Clothing 2 – Simply Sewing – Exhibit one of the following in either the Non-Sewn, Non-Clothing, or Clothing exhibit divisions:

50152a Non-Sewn Exhibits: 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.

50152b Sewn Non-Clothing Exhibits: 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:** 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:** Exhibit one of the following in either the Non-Sewn, Non-Clothing, or Clothing exhibit divisions:

**50153a Non-sewn Exhibits:** 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.

**50153b Sewn Non-Clothing Exhibit:** 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.

**50153c Sewn Clothing Exhibit:** 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.
50154  **Shopping in Style: 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.

50155  **Shopping in Style: Intermediate** – Choose one of the following activities from Unit 3 or Unit 4 of the project book

- 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.

50156  **Shopping in Style: Advanced** – Choose one of the following activities from Unit 5 or Unit 6 of the project book

- 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. OR
- Exhibit should include multiple garments you purchased along with a poster or report that provides plans and commentary for a fashion show that would capture the attention of an audience. 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.

50157  **Sewing & Textiles Ready4Life Challenge: (Open to 11- to 18-year-olds enrolled in any Sewing & Textiles**
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 READINESS
Each county may submit 1 entry from 50365; and 1 entry from 50366.

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

50366  **College & Career Ready4Life Challenge:** (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.

COMPUTER SCIENCE
Each county may submit 3 entries total from 50158, 50159, 50160, 50161, 50162, 50163, 50165; 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.

50158  **Beginning Visual Programming:** (Open to youth in Computer Science 1) 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.

50159  **Intermediate Visual Programming:** (Open to youth in Computer Science 1) 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.

50160  **Advance Visual Programming: (Open to youth in Computer Science 1)** 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.

50161  **Website Design: (Open to youth in Computer Science 1 or Computer Science 2)** 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.

50162  **Open Source Computer Science: (Open to youth enrolled in Computer Science 1, Computer Science 2, Robotics 1-2, Junk Drawer Robotics 1-3, Free Range Robotics)** Exhibits in this class will 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 programing 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.

50163  **360° Technology: (Open to youth in Computer Science 1 or 2 or Video Project)** Exhibits in this class must create a 360° experience that can be viewed using Virtual Reality headsets or Google cardboard. These experiences include anything from virtual tours or experiences to 360° games. Exhibitors are expected to either program or create the experience using readily available 360° cameras or computer software. All experiences must be original and may not use existing 360° media. Each exhibit should come on a jump drive and MUST be preloaded to a VR headset or Google Cardboard to demonstrate for the judges. These exhibits are designed to demonstrate the process behind creating 360° experiences and the tech behind them, versus telling stories in 360° (As seen in the Video Section).

Criteria for judging shall include: (1) The immersiveness and scale of the 360 environment; (2) The complexity of the 360 experience (is the experience interactive? To what degree?); (3) Use of accompanying technologies to achieve goal; and (4) Quality of 360° experience including image and sound quality. In addition, participants will be judged based on the degree to which they accomplish the goal they sought out to achieve when beginning the process. All participants must document their work in a detailed notebook, and be able to explain their design and buildout process to the judges.

50165  **Computer Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are enrolled in a computer science 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. 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.

50164  **Computer Science Ready4Life Challenge: (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.

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

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

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

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

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

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

- Second Year – Complete all activities not previously completed in Module 1: Earning Income and Career Planning and Module 2: Organizing Your Flow; AND a minimum of two 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.

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

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

50170 Soybeans: 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.

50171 Corn: 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 a 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.

50172 Small Grains: 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.

50173 Crops Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are enrolled in Crops.) 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.

50175 Crops Ready4Life Challenge: (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.

ELECTRICITY

Each county may submit 3 entries total from 50177, 50178, 50179; and 1 entry from 50181. It is strongly suggested that members use recommended construction details including proper color coding provided by the Energy Education Council (EEC) that have been provided on the EEC 4-H website; http://www.energyedcouncil.org/4-H.html.

50177 Electricity 1: (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.

50178 Electricity 2: (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.

50179  **Electricity 3:** 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.

50181  **Electricity Ready4Life Challenge: (Open to 11- to 18-year-olds enrolled in any Electricity project)**

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

**ENTOMOLOGY GENERAL**

Each county may submit 2 entries total from 50183, 50184, 50185, 50186; 1 entry from Class 50387. 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.

50183  **Entomology 1:** 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.

50184  **Entomology 2:** 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.

50185  **Entomology 3:** 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.

50186  **Entomology Display, Other: (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.

50187  **Entomology Ready4Life Challenge: (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 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.*

50188  **Beekeeping 1:** 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.

50189  **Beekeeping 2:** 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 ¼”).
- 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.

50190  **Beekeeping 3:** 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 ⅛” in size).
4. Comb Honey- 3 sections (honey built by bees in frames of wood commonly called “sections” (boxes are usually 4 ⅜” x 4 ¾” 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.

50191  **Entomology Beekeeping Ready4Life Challenge:** (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.

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

50192  **Floriculture A:** 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.)

50193 Floriculture B: 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.

50194 Floriculture C: Exhibit one of the following options:
• Create a terrarium or dish garden. Plants for either choice should have been 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 and 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.

50195 Floriculture D: 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.

50196 Floriculture Display: (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, 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.

50198 Floriculture Ready4Life Challenge: (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.

FOODS & NUTRITION
Each county may submit 1 entry in EACH of the following classes 50200, 50201, 50202, 50203, 50204, 50208, 50210.

50200 4-H Cooking 101: 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. Include the recipe and a menu for one meal including the food item. The recipe and menu may be written or typed on a note card or on a piece of paper. Bars, coffeecake, or cookies should be displayed on a disposable plate placed in a zip-sealing plastic bag.
50201 4-H Cooking 201: Using the recipes included in the project manual (NO variations from the core recipes), prepare an exhibit of 3 cheese muffins; OR 3 scones; OR 1 loaf (9” x 5”) of basic nut bread. Include the recipe and a menu for one meal including the food item. The recipe and menu may be written or typed on a note card or on a piece of paper. Bread, muffins, or scones should be displayed on a disposable plate placed in a zip-sealing plastic bag.

50202 4-H Cooking 301: 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. Include the recipe and a menu for a special occasion meal that includes the food item exhibited. The recipe and menu may be written or typed on a note card or piece of paper. Display exhibit on a disposable plate or pie tin and place in a zip-sealing plastic bag.

50203 4-H Cooking 401: 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. Include the recipe and a menu for a special occasion meal that includes the food item exhibit. The recipe and menu may be written or typed on a note card or piece of paper. Display exhibit on a disposable plate and place in a zip-sealing plastic bag.

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

50208 Food Preservation: 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 (no refrigerator 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](http://www.homefoodpreservation.com). Note that exhibits will not be judged on taste.

**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:


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 Canning

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.

50210 Foods Nutrition Ready4Life Challenge: (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.

**FORESTRY**

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

50212 Forests of Fun 1: 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.

50213 Forests of Fun 2: 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.

50214 Forests of Fun 3: 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.

50216 Forestry Ready4Life Challenge: (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.

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.

50218  **Pebble Pups 1:** 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.

50219  **Pebble Pups 2:** 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.

50220  **Rock Hounds 1:** 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.

50221  **Rock Hounds 2:** 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.

50222  **Geology Innovation Class:** (Open to youth who were at least 13 years of age on 9/1/17 and are 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.

50224  **Geology Ready4Life Challenge:** (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.

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

50226  **Health 1:** Select four First Aid Skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a family first aid kit and be prepared to explain what each items is used for.
50227  **Health 2:** Select four **Staying Healthy** skills and complete the activities for that section. Bring the project book and be prepared to discuss the completed sections. Exhibit a “smarts” project as explained in the project manual.

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

50229  **Health Innovation Class:** (Open to youth who were at least 13 years of age on 9/1/17 and are 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.

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

**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.

50233  **Passport to the World, Individual:** 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.

50234  **Diversity & Cultural Awareness** – 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.

50236  **Intercultural Ready4Life Challenge:** (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.

50235  **Intercultural, Club:** includes **Passport to the World, Diversity & Cultural Awareness** and **Latino Cultural**
**Arts Projects:** 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 and 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 3 entries total from 50242, 50243, 50244, 50245; 1 entry from 50247.

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

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

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

**50245** Interior Design Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are enrolled in Interior Design.) Demonstrate the skills and knowledge you have gained through the Interior Design 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.

**50247** Interior Design Ready4Life Challenge: (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.

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

50249  Leadership 1: 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.

50250  Leadership 2: 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.

50251  Leadership 3: 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.

50252  Leadership Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are enrolled in Leadership.) 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.

50255  Leadership Ready4Life Challenge: (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 Group: (Open to clubs whose members are enrolled in What’s Leadership?) Exhibit a display illustrating how your group has used the 4-H 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.

NATURAL RESOURCES
Each county may submit 5 entries from 50256, 50257, 50258, 50259, 50260, 50261, 50262, 50263, 50264, 50266; 1 entry from 50267. Electricity and water are NOT available for these displays. NO live animals or reptiles are permitted in these exhibits.

50256 Natural Resources 1: Exhibit any item or display developed from the project book, Step Into Nature.

50257 Natural Resources 2: Exhibit any item or display developed from the project book, Explore the Natural World.

50258 Natural Resources 3: Exhibit any item or display developed from the project book, Blaze the Trail.

50259 Outdoor Adventures 1-3: Exhibit a display illustrating an activity completed from the project manual.

50260 Sportsfishing 1: Exhibit a product or display made to complete an activity in the Take the Bait project manual. This could include, but is not limited to, displays on: different types of fishing tackle, identifying different baits and their uses (no actual bait, please) or identifying the anatomy of a fish. For safety reasons, lures must be placed in a plastic case.

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

50262 Sportsfishing 3: Exhibit a product or display made to complete an activity in the Cast into the Future project manual. This could include, but is not limited to, displays on: making artificial flies and lures; researching effects of water temperature; sportsfishing careers; or identifying insects that fish eat. For safety reasons, lures must be placed in a plastic case.

50266 Wildlife A: Exhibit any activity developed from the project manual. (Ex. Identify different wildlife habitats.) Within the exhibit, explain the importance of knowing the information shared.

50263 Wildlife B: 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.

50264 Natural Resources/Sportsfishing/Wildlife Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are enrolled in any Natural Resource, Sportsfishing or Wildlife Project.) Demonstrate the skills and knowledge you have gained through the project you have studied. Your exhibit should not fit in the
other exhibit options for this project. This could be related to, but not limited to habitat construction, maintenance, water quality, fish biology, or involvement with citizen science efforts. 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.

50267 Natural Resources Ready4Life Challenge: (Open to 11- to 18-year-olds enrolled in any Natural Resources project)
Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

PHOTOGRAPHY
Each county may submit four entries total from 50268, 50269, 50270, 50271, 50272; and one 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: http://web.extension.illinois.edu/state4h/members/fairsandexhibits.cfm. Photos may be taken with a camera, an electronic tablet (i.e. iPad), or a cell phone. Photos exhibited in frames should be prepared for hanging.

50268 Photography 1: Exhibit one of the options listed below:
- Exhibit 5 to 7 photos that tell a story. The story should have a beginning, middle, and end. Captions are optional. Exhibit will be judged on how well the pictures tell a story and use of composition techniques. Photos should be mounted on a poster. No photo editing is allowed in this class except cropping and red eye removal; OR
- Exhibit one framed 8”x10” or two framed 5”x7” photos which demonstrate 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.

50269 Photography 2: 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” or two framed 5”x7” photos 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.

50270 Photography 3: 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” or two framed 5”x7” photos 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.
50271  Photo Editing: (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.

50272  Photography Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are enrolled in Photography 1, 2, or 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.

50274  Photography Ready4Life Challenge: (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.

ROBOTICS

Each county may submit 4 entries total from 50284, 50285, 50286, 50287, 50288, 50289, 50290, 50292; and 1 from 50293.

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 50284, 50285, or 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 Free Range Robotics Class (50290), Innovation Class (50292) or Ready4Life Challenge Class (50293).

50284  Robotics 1: Beginning: 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.

50285  Robotics 1: Intermediate: 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.

50286  Robotics 2: 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.

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.

50287  Junk Drawer Robotics 1, Give Robots a Hand: 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.

50288 Junk Drawer Robotics 2, Robots on the Move: Exhibit any item from the “To Make” activity from the Junk Drawer Robotics Level 2 Book. Be sure all robotics notebook sections within the module being exhibited are filled in.

50289 Junk Drawer Robotics 3, Mechatronics: 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.

50290 Free Range Robotics: (Open to you in Free Range Robotics) Robot exhibits in this class must be either originally designed or built from a kit of reconfigurable parts and components. Autonomous control of the robot must be achieved using an “open source” platform such as Arduino or Raspberry Pi and can be programmed using a coding language that is publically available. Robots must be able to complete at least one physical task that may include following a path or manipulating an object, and it must receive and respond to at least one form of input such as avoiding an obstacle or choosing between two colors. Exhibits must include an engineering notebook that describes how the exhibitor designed, built, and programmed the robot.

50292 Robotics Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are enrolled in any robotics project) Exhibit an original robot, either homemade or a kit that does not fall under Robotics 1 or 2 that can complete a task using 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. Exhibitors in Robotics Innovation Class must bring a detailed Engineering notebook that describes how the exhibitor designed, built and programmed the exhibit.

50293 Robotics Ready4Life Challenge: (Open to 11- to 18-year-olds enrolled in any Robotics project) Exhibits in this category must include the following: a) a physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work; b) verbal or written explanations that demonstrate knowledge of the related career or business fields, potential careers, and the appropriate requirements for achievement in those fields. The judging criteria for this class values thoroughness of career and/or business exploration and pursuit above the workmanship of the physical specimen on display.

SMALL ENGINES
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. The size of exhibits larger than 3’ x 3’ should be noted on the 4-HDMS electronic entry form. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display. No electrical power is available for displays/exhibits.

50294 Small Engines: 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; OR
- Compression System: Explain how heat energy is produced by an engine and converted into mechanical energy; OR
- Heat Transfer: Explain how heat is transferred through the cooling and lubrication system of an air cooled or water cooled engine; OR
- Filter Maintenance: Explain the proper maintenance and cleaning of the air, fuel and oil filters of an engine; OR
- 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; OR
• **Tools to do the job:** Identify and explain the function(s) of different specialty tools needed for small engine work, OR

• **Experimentation:** Explain through illustration an experiment you conducted from the project manual showing the results of your work.

**50297  Small Engines Ready4Life Challenge:** (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.

**TECHNOLOGIES**

**3-D PRINTING & DESIGN:** Choose one of the following classes based on your interest and skill level.
Each county may submit 2 entries total from 50276, 50277, 50278, 50279; and 1 entry from 50280

50276  **3-D Design Beginner:** 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.

50277  **3-D Design Advanced:** 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.

50278  **3-D Printing Beginner:** 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 COMMERCIALLY 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 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.
invention.

50279 3-D Printing Advanced: 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 COMMERCIALLY 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.

50280 3-D Printing & Design Ready4Life Challenge: (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.

UNMANNED AERIAL VEHICLES/SYSTEMS (DRONES): Choose one of the following classes based on your interest and skill level. Each county may submit 2 entries total from 50281 and 50282; and 1 entry from 50283

50281 UAV Display: Prepare a display related to the Drones/UAV project on the topic of your choosing. The exhibit may include, but isn’t limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you’ve learned. 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.

50282 UAV Unmanned Aerial Systems: Exhibit one Unmanned Aerial Vehicle and associated system assembled or made by the member. UAV or Drone exhibits in this class must be either originally designed or built from a kit of reconfigurable parts and components. These displays are limited to 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.

50283 UAV Ready4Life Challenge: (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.
THEATRE ARTS
Each county may 3 entries total for 50299, 50301, 50302; 1 entry for 50304.

50299  Theatre Arts 1: 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.

50301  Theatre Arts 3: 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.

50302  Theatre Arts Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are 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.

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

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

50306  Tractor A: 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.

50307  Tractor B: 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.

50308  Tractor C: 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.

50309  Tractor D: 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.
50310  Tractor Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are 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.

50312  Tractor Ready4Life Challenge: (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.

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.

50314  Vegetable Display (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 and not more than 12 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/Display 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.).

50315  Vegetable Plate (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)  Broccoli (1 head)
Beans, Lima (12 pods)  Brussels Sprouts (12 sprouts)
Beets (5)  Cabbage (1 head)
Cauliflower (1 head)
Carrots (5)
Cucumber, pickling or slicing (5)
Eggplant (1)
Garlic (5)
Kohlrabi (5)
Lettuce (1 head or plant)
Muskmelon incl. cantaloupe (1)
Okra (12)
Onions, large, dry (5)
Onions, green or set (12)
Parsnips (5)
Peas, (12 pods)
Peppers, large fruited (bell/banana) (5)
Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turk'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)

50316 Vegetable Gardening Display: (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.

50318 Vegetable Gardening Ready4Life Challenge: (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.

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

50320 Veterinary Science: (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.

50322 Veterinary Science Ready4Life Challenge: (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.
VIDEO/FILMMAKING
Each county may submit 4 entries total from 50324, 50325, 50326, 50327, 50328, 50329; 1 entry from 50330. Enrollment in the Video project is required to exhibit in the classes in this section. Entries in 360° video may be enrolled in video/film or computer science projects.

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.

50324 Commercial or Promotional Video: 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.

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

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

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

50329 360° Video: (Open to youth enrolled in Video or Computer Science 1 or 2) Videos in this class must be no longer than 5 minutes in length. Criteria for judging shall include: (1) The use and effectiveness of using 360° video equipment to tell story (including stitching); (2) Use of camera angles and lighting to capturing whole 360° scenes without equipment interference; (3) Use and placement of titles and graphics in the 360° environment; 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.

Videos entered in this class can fall under any of the following categories: Commercial or Promotional, Animated Video, Documentary, or Short Story/Short Narrative. Guidelines for each category can be found above. Exhibitors choosing to use 360° video are to film and edit videos using 360° Cameras and editing software. Videos should be edited and stitched keeping in mind the limitations and complexities unique to filming and editing in 360°. Each exhibit should come on a jump drive, and MUST be preloaded to a VR headset or Google Cardboard to demonstrate for the Judges. These exhibits are designed to demonstrate the filmmaking processes unique to 360° film making, as opposed to the development of the technologies behind them (as seen in Computer Science).

50328 Video/Filmmaking Innovation Class: (Open to youth who were at least 13 years of age on 9/1/17 and are 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.

50330  Video/Film Ready4Life Challenge: (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.

VISUAL ARTS
Each county may submit one entry in each class of the following classes: Paper, Fiber, Clay, Wood, Glass/Plastic, Metal, Nature, Computer-Generated Art, Three-Dimensional Design/Mixed Media, Heritage Arts, Scrapbooking, Food Decorating, and Fiber Non-Original Ages 8-10 ONLY. Each county may submit two entries in Chalk/Carbon/Pigment. Each county may also submit one entry in the Visual Arts Ready4Life Challenge Class.

Exhibitors are encouraged to date the project when it is made. Exhibitors must be able to carry or cart their exhibits across the fairgrounds from the parking lots. 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. Quilts can be hand OR machine quilted as long as ALL work is completed by the exhibitor.

Members should refer to the Visual Arts Exhibit Fact Sheet for assistance in identifying correct Visual Arts Class placement.

50332  Visual Arts Food Decorating Beginning – 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.

50333  Visual Arts Food Decorating Intermediate – 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.

50334  **Visual Arts Food Decorating Advanced – Exhibit the following:**

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

50335  **Visual Arts Food Decorating Master – Exhibit the following:**

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.

50336  **Visual Arts Chalk/Carbon/Pigment:** 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. Note: Please enter painting on wood, metal, or textiles in Heritage Arts. 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. Page 34 of the *Illinois 4-H Arts Visual Arts Member’s Manual* gives basic directions for a mat, but purchased, pre-cut mats are acceptable.

50337  **Visual Arts Clay:** Any original item made of clay; may be fired or unfired, hand formed or thrown on a wheel. Self-harden clay is 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.

50338  **Visual Arts Computer-Generated Art:** Any original art created in any software package. Exhibit may **NOT** include scanned work, clip art, downloaded images from the internet, any imported image, or photographs. All pixels must be original. 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 hang, it does not require protective covering nor does it need to be prepared to hang.

50339  **Visual Arts Fiber:** Any original item made of fiber. Examples are quilts, fabric collage, soft sculpture, stitchery, weaving, embroidery, cross-stitch, wearable art, hooking, braiding, and duct tape artistry. All baskets and decorated textiles (such as painted shirts or stenciled clothing) should be entered in Heritage Arts. **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.

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

50340  **Visual Arts Glass/Plastic:** Any original item made of glass or plastic. Possible items to exhibit include stained glass, etched glass (original design), mosaics made of glass, glass beading, plastic jewelry (friendly plastic). Interlocking building block creations (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.

50341  **Visual Arts Heritage Arts:** Exhibit an item of traditional art learned from another person or from a pattern (NO KITS) may be entered in this class. Cross-stitched, knitted and crocheted items by pattern fit in this class. (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, pysanky (decorated eggs), leather, quilts from a traditional pattern, traditional handmade dolls with handmade costumes, decorative painting on wood, metal, fiber, or candles. ALL baskets should be entered in Heritage Arts.
50342 **Visual Arts Metal**: 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.

50343 **Visual Arts Nature**: 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.

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

50345 **Visual Arts Scrapbooking, Beginning**: 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. Embelishments 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.

50346 **Visual Arts Scrapbooking, Intermediate**: 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. Embelishments 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.

50347 **Visual Arts Scrapbooking, Advanced**: 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. Embelishments 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.

50348 **Visual Arts Three-Dimensional Design/Mixed Media**: Art pieces in this class must be comprised of at least three different media. No one medium can make up more than 40% of a piece. The piece should be free-standing (not meant to be hung) that is observable on at least three different sides. Originality and design are important concepts. Craft and preformed or assembled projects are not acceptable.

50349 **Visual Arts Wood**: 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.

50351 **Visual Arts Ready4Life Challenge: (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.

**WELDING**

Each county may submit 2 entries total from 50353; and 1 entry from 50355. The size of exhibits larger than 3’ x 3’ should be noted on the online electronic entry form.
50353  Welding: 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.

50355  Welding Ready4Life Challenge: (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.

**WOODWORKING**
Each county may submit 2 entries total from 50357, 50358, 50359, 50360; and 1 entry from 50362.
The size of exhibits larger than 3’ x 3’ should be noted on the online electronic entry form.

50357  Woodworking 1: 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. (Exhibitors will be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

50358  Woodworking 2: 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. (Exhibitors will be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

50359  Woodworking 3: 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. (Exhibitors will be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

50360  Woodworking 4: 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. (Exhibitors will be allowed to drive to the 4-H Tents for drop-off and pick-up of these exhibit items.)

50362  Woodworking Ready4Life Challenge: (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.