

GENERAL EXHIBITS

4-H Members (Grades 3+): 2 per class

Judging: Wednesday, July 31

Cloverbuds (Grades K-2): Judging 2:00 – 6:00 p.m.

Cloverbuds only may register beginning at 1:30 p.m.

Judges Assistants: Judging 2:00 – 3:00 p.m.

Judges Assistants only may register beginning at 1:00 p.m.

4-H Members (Grades 3 +): Judging 3:00 – 6:00 p.m.

4-H Members may register beginning at 2:30 p.m.



4-H MARKETING

P - 490 - 1*	Grade 9+
P - 490 - 2*	Grade 6-8
P - 490 - 3	Grade 3-5

Requirements:

- Youth will display what they have done to market 4-H and grow membership and awareness of 4-H.
- Youth must use 4-H name and emblem properly.
- This project does not have its own State Fair class. State Fair exhibits will be shown as Self-Determined projects.

Exhibit Suggestions:

- Talking to classrooms about 4-H.
- Recording a 4-H promotion for radio or television.
- Any creative way you can think of to market 4-H.

AEROSPACE

P - 10 - 1*	Grade 9+
P - 10 - 2*	Grade 6-8
P - 10 - 3	Grade 3-5

Requirements:

- Flyable models should be ready for flight (do not include fuel); recovery system should be in place and operative.
- Members should be familiar with safety codes in 4-H curriculum.

Exhibit Suggestions:

- Flyable models built from kit or your own design.
- Non-flyable models built from kit or your own design.
- Display of other equipment needed for aerospace project.
- A rocket launcher.

AGRONOMY

AGRICULTURAL TECHNOLOGY

P - 500 - 1*	Grade 9+
P - 500 - 2*	Grade 6-8
P - 500 - 3	Grade 3-5

Exhibit Suggestions:

- A display or presentation highlighting the technology used in agriculture such as GPS tools, drone use, implement technology, yield mapping, genetic engineering, seed traits, agricultural chemistry, precision agriculture, on-farm research, side by side trials, etc.

CORN

See page 33

FORAGES

P - 510 - 1*	Grade 9+
P - 510 - 2*	Grade 6-8
P - 510 - 3	Grade 3-5

Requirements:

- Crop must be grown on your own farm or on a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous years growing season.
- Include a 3 x 5 index card listing the variety.
- Be familiar with crop input costs and the growing process.

Exhibit Suggestions:

- A dried sample, in a 3-5 inch tied, dried bundle or in a sample 4-6 inch slab of a bale of a forage. Forages include alfalfa, warm season grasses, cool season grasses, sorghum, native grasses, silage, etc. It is recommended that a sample analysis of your forage accompanies the sample. (Kits from DHIA are available at <http://www.stearnsdhalab.com/>)
- An educational display illustrating one of the following ideas nutritional analysis of feedstuff, plant reproduction, plant growth factors, plant characteristics, growing and using plants, plant growth and food production, examples of a plant disease, etc, of a forages.

PLANT AND SOIL SCIENCE

See page 42

SPECIALTY CROPS

P - 530 - 1*	Grade 9+
P - 530 - 2*	Grade 6-8
P - 530 - 3	Grade 3-5

Requirements:

- Crop must be grown on your own farm or a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous years growing season.
- Include a 3 x 5 index card listing the variety.
- Be familiar with crop input costs and the growing process.

Exhibit Suggestions:

- An adequate sample of a specialty crop such as sugar beets, edible beans, black beans, kidney beans, field produced sweet corn, peas, carrots, potatoes, popcorn, etc. Dried products should be in a two-quart jar; fresh products on a plate or flat box.
- An educational display illustrating one of the following ideas: plant reproduction, plant growth factors, plant characteristics, usage of plants, plant growth and food production, examples of a plant disease, etc. of a specialty crop.

SMALL GRAINS

See page 43

SOYBEANS

P - 540 - 1*	Grade 9+
P - 540 - 2*	Grade 6-8
P - 540 - 3	Grade 3-5

Requirements:

- Crop must be grown on your own farm or a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crop must have been grown in the current or previous years growing season.
- Include a 3 x 5 index card listing the variety, soil and agronomy information for the crop.
- Be familiar with crop input costs and the growing process.

Exhibit Suggestions:

- A two-quart exhibit of soybeans; placed in a clear two-quart jar or 2 clear one-quart jars.
- An educational display illustrating plant reproduction, plant growth factors, plant characteristics, usage of plants or seeds, plant growth and food production, examples of a plant disease, etc. of a soybean.

WEEDS & PESTS

P - 550 - 1*	Grade 9+
P - 550 - 2*	Grade 6-8
P - 550 - 3	Grade 3-5

Exhibit Suggestions:

- A display or presentation highlighting any current pests in agriculture or horticulture. Could include their life cycle, prevention or treatment, their impact on the plant, etc.
- A weed display or book identifying different weeds in agriculture or horticulture. Highlight one weed in depth, a class of weeds (such as grasses or broad leaves) or a collection of different weeds. Could include identification details, life cycle, weed control, the impact on crop production, etc.

***Note: Do not include live or dried noxious weed samples in your display (check current listing at <https://www.mda.state.mn.us/plants/pestmanagement/weedcontrol/noxiouslist.aspx>). If you are bringing in a sample of weed seeds, put it in a sealed container.**

AQUATIC ROBOTICS

P - 135 - 1*	Grade 9+
P - 135 - 2*	Grade 6-8
P - 135 - 3	Grade 3-5

Requirements:

- Design and build their own remote-operated vehicle (ROV)
- Use and adapt it to monitor water quality/Aquatic Invasive Species (AIS) education
- Work in teams of at least 3 youth, or individuals may exhibit
- Illustrate the community partnership (example: DNR, Water Resource, or Lake Association)

Exhibit Suggestions:

- Display, binder, poster illustrating the process of doing the activity/project
- Exhibit of ROV
- Display showing their use in Aquatic Invasive Species (AIS) education
- Booklet showing their progression in Aquatic Invasive Species (AIS) education as a team

BICYCLE

P - 20 - 1*	Grade 9+
P - 20 - 2*	Grade 6-8
P - 20 - 3	Grade 3-5

Exhibit Suggestions:

- Display showing types of bikes, parts of a bike, maintenance, traffic rules, bicycling hazards, how to wear a helmet, equipment used to teach others about bike repair or first aid, etc.
- Notebook or picture story of a bike rodeo or other bike event you helped with, or research on some other aspect of bicycling that was presented to a class or service club.

CAT RELATED (Display)

P - 30 - 1*	Grade 9+
P - 30 - 2*	Grade 6-8
P - 30 - 3	Grade 3-5

Requirements:

- Exhibit must include a photograph of 4-H'er with their cat on the display or poster.

Exhibit Suggestions:

- Educational exhibits may include models, diagrams or pictures.

CHILD & FAMILY DEVELOPMENT

P - 40 - 1*	Grade 9+
P - 40 - 2*	Grade 6-8
P - 40 - 3	Grade 3-5

Requirements:

- Exhibitors should be prepared to discuss, in conference judging, the age and other characteristics of the child for whom the exhibit is intended and how the exhibit contributes to the child's growth, development, and well-being.
- If the exhibit is designed to be interactive with children, the item is to be used with children before exhibiting and a photograph of this activity must accompany the exhibit. Signs of use will not detract from the placing of the exhibit.

Exhibit Suggestions:

- Toy, game, puzzle, puppets, art/craft materials, etc., made from new or recycled/throw-away material.
- Babysitting kit/travel kit/rainy day kit, including at least one item made by exhibitor.
- Original book, story, poem, song, play, cookbook, audio or video tape and narrative, activity book, safety manual for children, file about children and/or families.
- Scrapbook, photographs, items, reports, video, etc., on family heritage with description of what was learned about self and family.
- A creatively developed program and/or item used for or with a person with a special need (gifted, developmentally delayed, physically impaired, etc.).

CITIZENSHIP

P - 50 - 1*	Grade 9+
P - 50 - 2*	Grade 6-8
P - 50 - 3	Grade 3-5

Exhibit Suggestions:

- 3-Ring binder, report binder or 3-sided display reporting on community projects and/or citizenship activities which you or your club completed under your leadership. Include plans of action, as well as the evaluation of each.
- A written narrative and/or visual communication presentation of 8 to 10 minutes, using photos, video and/or slides, to show how you worked with others in your community to solve problems.

CLOTHING AND TEXTILES

CLOTHES YOU MAKE – NEW IN 2019: Judged at County Fair

P - 60 - 1*	Grade 9+
P - 60 - 2*	Grade 6-8
P - 60 - 3	Grade 3-5

Requirements:

- Each garment must include an information tag listing: pattern company name and number, fiber content of fabric and care instructions, member name and club.
- Garments may have been worn before showing, but should be cleaned before exhibiting.
- Items constructed should be appropriate for skill level and experience of exhibitor.

Exhibit Suggestions:

- A project such as a dress, pants, pajamas, chef's apron, skirt or any other wearable garment.
- A constructed garment made from a pattern
- Creative sewing such as wearable art, costume, or use of techniques such as knitting, cross-stitch, etc incorporated into garment.
- Clothing or textiles display showing a "fact" or "why" related to clothing selection, care.
- Garment mended, repaired or recycled, with color photo of original garment and explanation of steps used.

CLOTHES YOU BUY – NEW IN 2019: Judged at County Fair

P - 60 - 4*	Grade 9+
P - 60 - 5*	Grade 6-8
P - 60 - 6	Grade 3-5

Requirements:

- The purchased garment or outfit must be accompanied by an 8-1/2"x 11" binder with, at minimum, the following information:
 - Colored photo of member wearing the garment. Label photo with name, county, and color of complexion, hair and eyes.
 - Cost of garment. Explanation of why garment was purchased and examples of ways it will be used in existing wardrobe and include inventory of wardrobe.

- Garments may have been worn before showing but should be cleaned and pressed before exhibiting.

Exhibit suggestions:

- A purchased garment that fits into your wardrobe plan.
- A poster showing cost comparisons, wardrobe building, accessorizing, care, etc.

NON-WEARABLE GARMENT – (Judged at Fair) – July 31

P - 60 - 7*	Grades 9+
P - 60 - 8*	Grades 6-8
P - 60 - 9	Grades 3-5

Requirements:

- Each garment must include an information tag listing: Pattern company name and number, fiber content of fabric and care instructions, member name and club.
- Items constructed should be appropriate for skill level and experience of exhibitor.

Exhibit Suggestions:

- A constructed non-wearable item made from a pattern.
- A project such as a pillow top, tote bag, backpack, doll clothes, etc.

FASHION REVUE – Judged prior to County Fair – July 16

NEW in 2019: Judging will remain prior to the county fair on July 16 and the Public Review will be held Sunday, August 4 at 1:00 p.m. on the 4-H Stage during County Fair. Garments should still be on display during County Fair.

P - 60 - 10*	Grade 9+ - Clothes You Make
P - 60 - 11*	Grade 6-8 - Clothes You Make
P - 60 - 12	Grade 3-5 - Clothes You Make
P - 60 - 13*	Grade 9+ - Clothes You Buy
P - 60 - 14*	Grade 6-8 - Clothes You Buy
P - 60 - 15	Grade 3-5 - Clothes You Buy
P - 60 - 16	Cloverbud – Clothes You Make
P - 60 - 17	Cloverbud – Clothes You Buy

Requirements:

- Participants may model any clothing they have constructed, restyled or purchased as a part of their 4-H clothing project.

Note: At State Fair, clothing exhibitors can use the same garment to participate in both Fashion Revue and regular clothing in the same year.

COMPUTER

P - 80 - 1*	Grade 9+
P - 80 - 2*	Grade 6-8
P - 80 - 3	Grade 3-5

Requirements:

- Computers may be used in judging, but emphasis is on documentation, screen print, and summary. 4-H'ers are responsible for providing and securing any hardware used for judging; hardware may not be left on display.
- Reports and written summaries should be bound in a booklet or placed in a folder.

Exhibit Suggestions:

- Display showing the parts of a computer and how they work, consumer choices involved when buying a computer, how computer software can be put to use. Include statement of purpose, written plan for use, and examples of use.
- Program/software developed by the 4-H member including a statement of objectives, and discussion of program.

- Program/software should be original or adapted, by the member from an existing program.

CONSUMER EDUCATION

P - 90 - 1*	Grade 9+
P - 90 - 2*	Grade 6-8
P - 90 - 3	Grade 3-5

Requirements:

- Exhibitor must be able to explain his/her choices and the reasons for those choices.

Exhibit Suggestions:

- Label comparison showing different types of labels and/or models of same included.
- Consumer comparison comparing several models of the same item, showing feature, costs, etc., with best item selected and reasons why.

CORN

P - 110 - 1*	Grade 9+
P - 110 - 2*	Grade 6-8
P - 110 - 3	Grade 3-5

Requirements:

- Crop must be grown on your own farm or a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous years growing season.
- Include a 3 x 5 index card listing the variety, soil and agronomy information for the crop.
- Be familiar with crop input costs and the growing process.

Exhibit Suggestions:

- A two-quart exhibit of shelled corn, placed in a clear two-quart jar or 2 clear one-quart jars.
- A display of ears of dent corn, consisting of 6-10 ears of corn of the same variety.
- An educational display illustrating plant reproduction, plant growth factors, plant characteristics, plant part identification, growing and using plants, plant growth and food production, examples of a plant disease, etc. of corn.

CRAFTS AND FINE ARTS

CRAFTS

P - 100 - 1*	Crafts - Grade 9+
P - 100 - 2*	Crafts - Grade 6-8
P - 100 - 3	Crafts - Grade 3-5

Requirement:

- Each exhibit will be evaluated on its individual merit as a craft/kit.
- Emphasis is on the creative process and the employment of design elements and principles. The craft/kit exhibit develops from someone else's ideas and can be exactly replicated or replicated with modifications.

- All art objects must be appropriately finished. Exhibits will be disqualified if not ready for hanging, displaying, etc. (i.e. wire or hooks on paintings, bases for 3 dimensional work, etc.)

Exhibit Suggestions:

- For a beginner, choose a project that teaches new techniques. For advanced, choose a project requiring masterful craftsmanship.
- Basket making, tie dye, beading, ceramics, leather tooling, tie blanket, calligraphy, work from kits, etc.

FINE ARTS

P - 100 - 4*	Fine Arts - Grade 9+
P - 100 - 5*	Fine Arts - Grade 6-8
P - 100 - 6	Fine Arts - Grade 3-5

Requirement:

- Each exhibit will be evaluated on its individual merit as an original fine art.
- Emphasis is on the creative process and the employment of design elements and principles. The fine art exhibit must show proof that it is developed from the 4-Hers own ideas and imagination.
- All art objects must be appropriately finished. Exhibits will be disqualified if not ready for hanging, displaying, etc. (i.e. wire or hooks on paintings, bases for 3 dimensional work, etc.)

Exhibit Suggestions:

- For a beginner, choose a project that teaches new techniques. For advanced, choose a project requiring mastery.
- Original work (no kits) in drawing, painting, sculpture, print process, textiles, pottery, etc.

DEMONSTRATIONS

(Judged prior to County Fair at Food Review and Demonstration Day on March 24)

Premium money will be awarded to those individuals that demonstrated at Demonstration Day prior to the fair. *Make sure to mark the appropriate lot number on your County Fair registration form in order to receive your premium.*

K - 1 - 1*	Grades 9+ - Individual
K - 1 - 2*	Grades 9+ - Team
K - 1 - 3*	Grades 6-8 - Individual
K - 1 - 4*	Grades 6-8 - Team
K - 1 - 5	Grades 3-5 - Individual
K - 1 - 6	Grades 3-5 – Team
K - 1 - 7	Cloverbud

Requirements:

- **Demonstration / Illustrated Presentations** may be related to any project that the member is enrolled in or to any area of interest or expertise the 4-H'er has. Presentations may be an individual or a two-person team. Individual presentations shall not exceed 15 minutes in length and team presentations should not exceed 25 minutes in length.

- **Demonstrations** are an oral presentation that includes actually demonstrating the hands-on steps required to accomplish a task or process. This most often includes the use of physical objects and actual doing or showing. For example, a demonstration could involve using bedding plants, potting soil and related items to demonstrate how to plant a flower pot. At the end of the Demonstration there should be something of a "finished product". Demonstrations may also include the use of supporting visuals like posters, charts or overhead transparencies. Supporting visuals can include technology based options like presentation software (i.e. MS PowerPoint). However, the focus of the Demonstration should be on the "doing", not the supporting visuals.

- **Illustrated Presentations** are an oral presentation that presents an idea, concept, viewpoint or experience in an educational or informative format. For example, an Illustrated Presentation could be a report on leadership lessons learned through a trip to Washington DC or an educational presentation that explores sustainable energy options. Illustrated Presentations most often consist of interaction with supporting visuals like posters, charts or overhead transparencies. Supporting visuals can include technology based options like presentation software (i.e. MS PowerPoint). Supporting visuals may include tangible items, but generally little or no activity takes place with the item.

- **Youth in Action** presentations are interactive, continuous presentations that are approximately 45 - 50 minutes in length. Topics selected for a Youth in Action demonstration may be related to a project in which the member is enrolled or to any other area of interest or expertise the member has. Involving the audience in the process is the primary focus of Youth in Action and constitutes a major portion of the evaluation results.

- Presentation Software (i.e. MS PowerPoint) may be used for both Demonstrations and Illustrated Talks. If Presentation Software is used in a Demonstration, the presentation software should supplement the Demonstration (hands on demonstrating should still be the basis of the entry). If used for an Illustrated Talk, the presentation software can be the basis for the entire talk; however the member must interact with the presentation and information, not just step to the side and let the presentation play. (Self-presenting entries created with presentation software should be burned on to a DVD and entered in the "Video" class.)

Special NOTE: If presentation software is utilized in either a Demonstration or an Illustrated Talk, the 4-H'er is responsible for securing any equipment necessary for judging. Extension staff may be able to assist in this process, but it is the responsibility of the exhibitor to contact Extension staff WELL BEFORE the scheduled judging.

NOTE: 4-H'ers who complete a Public Presentation at the State Fair will receive a \$30 cash award. These payments are made in October. 4-H'ers must be grade eligible to participate at the State Fair.

LIVESTOCK DEMONSTRATIONS

See page 16.

DOG RELATED (Display)

P - 120 - 1*	Grade 9+
P - 120 - 2*	Grade 6-8
P - 120 - 3	Grade 3-5

Requirements:

- Exhibit must include a photograph of 4-H'er with their dog on the display or poster

Exhibit Suggestions:

- Educational exhibits may include models, diagrams or pictures.
- Examples: dog diseases, breeding, training, etc.

ELECTRIC

P - 130 - 1*	Grade 9+
P - 130 - 2*	Grade 6-8
P - 130 - 3	Grade 3-5

Requirements:

A wiring diagram or schematic must accompany all electric and electronic exhibits

Exhibit Suggestions:

- Working electrical item constructed for home, yard, or farm.
- Diagram of wiring in your home/farm showing switch locations, fuse boxes, wire size, capacities, fuse sizes, total bulk wattage, appliance wattage, number of circuits, and type of wiring installation.
- Electronic item built from kit, plan, or own design with an explanation of what it is and how it is used.
- Display ideas: Careers in electrical field, electrical experiment (may or may not have worked), educational display used in teaching others, etc.

ENGINEERING DESIGN

P - 135 - 4*	Grade 9+
P - 135 - 5*	Grade 6-8
P - 135 - 6	Grade 3-5

Requirement:

- Include description of the problem/challenge being solved
- Include description of the **engineering design** process/steps undergone to solve problem

Exhibit Suggestions:

- Engineering a roller coaster – Use KNEX or other materials to engineer and create a roller coaster
- Engineering a bridge – using everyday items create a bridge to sustain 5 pounds of weight
- Engineering a catapult/trebuchet – using everyday items to create a machine to launch a marshmallow 3 feet and no longer than 5 feet
- Engineer a wind turbine to solve a problem (example: using the wind energy to lift a bucket)

- Thinking like an engineer – brainstorm an idea, create a model, test it and document the process from beginning to end and share your findings on a display board, poster or three ring binder
- Using everyday items to build a simple machine to complete a simple task
- Using everyday items to create a product to solve a real-life situation

ENGINEERING DESIGN CHALLENGE

P – 135 – 7*	Level 1 team member (3-8)
P – 135 – 8*	Level 2 team member (7-12)

Each member (regardless of age) needs to register in one of these classes.

An Engineering Design Challenge machine is based on Rube Goldberg, an overly complex contraption designed to accomplish a simple task. The best machines use a variety of everyday items to create a series of chain-reaction steps to accomplish a simple task. In the project, youth not only employ physics and engineering, but humor and storytelling, to create their machine.

This activity is a team event of at least 3 and no more than 10 members.

Requirements:

1. Please refer to the Engineering Design Challenge Level 1 and 2 Handbooks at z.umn.edu/4hedc for complete details.
2. Teams of at least 3 youth
3. Minimum of 10 steps
4. Machine must operate in 2 minutes or less
5. Exhibit physical size limited to 6 ft x 6 ft x 6 ft
6. Explain one thing/step on the machine that uses science content and skills to help solve a problem/challenge
7. Need to keep a written record illustrating the process of doing the project.

Exhibit Suggestions:

- Engineering Design Challenge machine itself
- Display, binder, poster illustrating the process of the doing the activity/project

Note: In 2019, the State Engineering Design Challenge for Level 1 and 2 will be held on Monday, August 5 at Saint Cloud State University. For more information, please check out the Engineering Design website at <https://extension.umn.edu/4-h-events/4-h-engineering-design-challenge>. However, challenge teams are invited to showcase their machine and project at the State Fair. Participants can also have other general projects judged.

ENTOMOLOGY

P - 140 - 1*	Grade 9+
P - 140 - 2*	Grade 6-8
P - 140 - 3	Grade 3-5

Requirements:

Insect Collection exhibits:

- Collections shall be contained in a glass topped case; approximately 19" x 16.5" x 3" to 24" x 18" x 3" (drawers available for purchase in varying sizes). Arrange so that the case may be displayed in a horizontal position. Place project label on lower right corner of glass top. Only one case per exhibitor is allowed.
- Specimens must be collected. Purchased insects are not acceptable.
- Exhibitors must be the collector of the specimens in the project.
- Specimens must be properly pinned with insect pins. Small insects may need to be placed on cardboard points.
- Specimens must be properly labeled.
 - The location, date, and collector must be included on the labels. County and state (and country, when applicable) are minimum location information that should be included. It is valuable to include nearest town or township where the specimen was collected, the type of habitat it was collected from (e.g. on elm tree; on lake shore; indoors.), and the common name of the insect.
 - All labels should be visible so they can be read. Use permanent ink marker or pencil to write labels. Labels produced by a computer printer are acceptable. Ballpoint ink or non-permanent markers are not acceptable.

Non-Collection Project exhibits:

- Emphasis of project must relate to an aspect of entomology.
- Project must demonstrate specific knowledge of insects. Be prepared to discuss references and sources (e.g. books, magazines, internet, interviews with an expert etc.)
- Live projects (e.g. bee or ant colony) will be accepted if the project can be self-sustaining for up to 14 days without special care.
- A written report or journal should accompany the project, introducing the subject, describing the process (materials and method), predicting an outcome, stating the results, and discussing any conclusions. Pictures, drawings, charts, tables or other figures may be used.

Exhibit Suggestions:

- General Insect Collection: must consist of a minimum of 50 species of adult insects representing at least 8 orders.
- Specialty insect collection can include but is not limited to a collection of a single order (e.g. Coleoptera or Lepidoptera), a collection of immature insects, a collection of insects from a particular habitat (e.g. aquatic, forest, or prairie) or a collection of economic pests of a specific crop (e.g. insects attacking corn).
- Non-Collection Project can include, but is not limited to life history displays (e.g. insect life cycle), scientific investigation (e.g. insect habitats or effects of environment factors on insects) or insects in current events.

EXPLORING ANIMALS

P - 150 - 1*	Grades 9+
P - 150 - 2*	Grades 6-8
P - 150 - 3	Grades 3-5

Requirements:

- This area is for 4-H'ers who wish to learn more about a given species. Animal ownership is not required.

Exhibit Suggestions:

- An educational exhibit to show or explain something 4-H'er made, did, learned, or may explore consumer issues, breeds or careers.

EXPLORING THE ENVIRONMENT

P - 160 - 1*	Grade 9+
P - 160 - 2*	Grade 6-8
P - 160 - 3	Grade 3-5

Exhibit Suggestions:

- Display on environmental pollution describing the causes, effects on people and other living things, and methods to correct the situation.
- Display showing features of soils such as color, structure, texture.
- A display or journal of Minnesota plants, insects, animals, birds or fish. Include pictures or drawings and information on habits, foods, and shelter needs.
- Display showing erosion control practices such as minimum tillage, terraces, contour strips, grassed waterways, field windbreaks, water control structures, etc.

FISHING SPORTS

P - 170 - 1*	Grade 9+
P - 170 - 2*	Grade 6-8
P - 170 - 3	Grade 3-5

Exhibit Suggestions:

- Fish identification. Describe the habitat and food needs of selected Minnesota fish; develop a panel display explaining the life history of a fish; create a model or exhibit identifying the parts of a fish.
- Fishing Knots. Identify how and where each knot is used; fishing equipment which is made or repaired such as lures, fishing rods and reels, ice fishing rig, or other fishing equipment;
- Safety practices and techniques that are related to fishing or boating.
- Examples of how water quality affects the fish eco-system.

FLOWER GARDENING

P - 180 - 1*	Grade 9+
P - 180 - 2*	Grade 6-8
P - 180 - 3	Grade 3-5

Requirements:

- Label each container according to kind or variety.
- **Outdoor living flowers and plants are to be exhibited in this area (including Outdoor Fairy Gardens)**
- Live plant material will be accepted if it can be maintained in a fresh condition with ease.

Exhibit Suggestions:

- When exhibiting cut flowers, we suggest:
 1. three stems of one variety of annual flower, or
 2. one stem of a hardy perennial, or
 3. one stem of summer flowering bulbs, or
 4. one blossom of a tea rose, or
 5. one stem of a hardy shrub rose.
- Flower bouquet or arrangement on any theme.
- Display of dried flowers with a card explaining the drying method.
- My Flower Garden - Exhibit on poster board, not to exceed 22 x 28". Include a plan of the garden drawn to scale, the correct variety name and pictures (or photographs) of the flowers grown. Be prepared to discuss the process from soil preparation to blooming.
- Educational Exhibit showing the principles of propagation or reproduction, nutrition, culture and physiology (how a plant lives and grows).

FOODS AND NUTRITION

FOOD AND NUTRITION

P - 190 - 1*	Grade 9+
P - 190 - 2*	Grade 6-8
P - 190 - 3	Grade 3-5

Requirements:

- Exhibit may be food items and/or displays.
- Exhibitors should be prepared to discuss with the judge: references and information sources, nutritional values, methods, menu, costs, etc., as appropriate to that exhibit.
- The exhibit may be a poster, mobile, three-dimensional display, scrapbook, balance beam, charts, journals, pictures, slides, equipment, supplies, photographs, puppet play, skit, judging comparison, taped interview, file of ideas, research study, etc.
- Pictures, food models, plaster, plastic, papier-mâché, etc., are preferable to perishable foods in an educational exhibit. Perishable foods should be used only if they add to or help explain the educational exhibit. If perishable food is a part of the exhibit, the food is to be brought just for judging.
- Exhibits containing perishable foods, which will be discarded, must include a colored photograph of the food. The photograph should be taken prior to the County Fair and attached to the display. This photograph and a 3x5 note card listing nutrition information and the recipe will be displayed at the exhibit instead of the food.

Exhibit Suggestions:

- One serving of a nutritious food (vegetable or fruit dish, snack, bread, dairy, etc.). Include 8½ x 11 poster showing nutritional value, recipe, and a photo of the food.
- Study of nutrients needed for yourself or someone else, using the dietary guidelines and MyPlate.
- Make a food or fitness plan for yourself or someone else and show how it relates to nutritional and energy needs. (Example: an athlete on a volleyball team, a teen who doesn't have a lot of time).
- Adapt a recipe(s) to show healthier ingredient choices.
- Study of how physical fitness and/or food choices are related to disease (ex.:cancer, heart disease, osteoporosis, diabetes, etc.).
- Study of labels from similar food items, comparing important nutrient content like fat, fiber, and sugar.
- Exhibit showing food and/or kitchen safety.
- Nutrition/food science experiment.

FOOD PRESERVATION

P - 190 - 4*	Grade 9+
P - 190 - 5*	Grade 6-8
P - 190 - 6	Grade 3-5

Requirements:

- All recipes, procedures, and times followed must be according to current USDA and/or National Center for Home Food Preservation recommendations
- All food preservation exhibits must be labeled with a 2" x 3" label. Labels to include county, name, grade, product, style of pack, processing method (boiling water bath or pressure canner), date, processing time, date processed and source of recipe. Pressure canned items indicate dial or weighted gauge and how many pounds of pressure used.
- Jars must be heat-tempered glass canning jars.
- All jars must be sealed. Leave screw bands on two piece jar lids. Jellies and jams must be covered with lids.
- Use pint jars for fruit, vegetables, and fish; one-half pint jars for jams and jellies; 2- 1 pint jars or one quart jar for pickled products.
- Jellies and jams must be processed in boiling water bath according to USDA and/or University of Minnesota food preservation publications, available through the Extension Office. Note: Paraffin is not acceptable.
- No artificial food coloring should be added to entries.
- Dried foods may be stored in glass jars, self-sealing plastic bags or airtight plastic bags. The quantity of dried foods should be: fruits and vegetables - 1/2 cup or more of each, herbs - 1/4 cup of each in whole leaf form, 3 strips of meat (i.e. venison or beef jerky).
- Preserved within the past year.

Exhibit suggestions:

Suggested exhibits include one (1) jar or one (1) bag of product:

- Vegetables or fruits
- Jams, jellies, preserves, low-sugar spreads (no frozen)
- Pickled products (fermented or added acid, including pickles, sauerkraut, relishes, salsa).
- Meats, poultry and/or fish. (Fish must be in pint jars.)
- Dried vegetables or dried fruits.
- Dried herbs.
- Beef or venison jerky.
- Food science experiment or educational display.

FOOD REVIEW

(Judged prior to County Fair at Food Review and Demonstration Day on March 24)

Premium money will only be awarded to those individuals displaying their Food Review exhibit at County Fair. *Make sure you mark the appropriate lot number on your County Fair registration form in order to receive the premium.*

P - 190 - 7*	Grade 9+
P - 190 - 8*	Grade 6-8
P - 190 - 9	Grade 3-5
P - 190 - 10	Cloverbud

Requirements:

- Exhibitors must bring a single poster no larger than 8½" x 11" displaying their menu, photo and recipe to the fair, for display only. No food items should be brought along for display at the fair.

FOREST RESOURCES

P - 200 - 1*	Grade 9+
P - 200 - 2*	Grade 6-8
P - 200 - 3	Grade 3-5

Requirement:

- Exhibits should be mounted on cardboard or other sturdy material.

Exhibit Suggestions:

- Collection of leaves or needles with twigs, identified with their common name. Common name should be printed near the identified leaf/needle.
- Photographic display of forest products--include the name of the product/use to identify the photograph.
- Display showing tree growth; annual ring cross-sections; make a seed collection.
- Prepare a report with drawings about your favorite tree--include name of tree, drawings or pictures of tree, facts and uses of the tree, and other appropriate information.

- Display showing layers of the forest; renewable versus non-renewable resources; forestry careers; leaf and twig identification; taxonomic keys; tree road maps.
- Display showing forest succession; tree and forest measurements; fire's effect on the forest; how trees grow; forest types; harvesting methods; entomology of the forest; pathology of the forest.
- Display showing forest products, including maple syrup production; wood products; Christmas trees or other forest resources (recreation, wildlife, etc.).
- Display showing specialized woodland management, including shelterbelts/windbreaks and urban forestry.

FRUIT

P - 210 - 1*	Grade 9+
P - 210 - 2*	Grade 6-8
P - 210 - 3	Grade 3-5

Requirements:

- If displaying a fruit sample, exhibitor should bring 6 items of one variety of fruit and include a 3 x 5 index card listing the varieties of fruit, name and club of exhibitor.

Exhibit Suggestions:

- Display showing a comparison of several varieties of the same fruit (labeled); display using a branch to illustrate proper pruning of fruit trees and explaining the process; illustrate the many uses of fruits (fresh, jams, juices, cooking, baking, salads and recipes); illustrate the use of fruits as natural dyes.
- Educational display illustrating diseases (actual specimens) or insects (actual specimens) and methods of control.

GEOLOGY

P - 220 - 1*	Grade 9+
P - 220 - 2*	Grade 6-8
P - 220 - 3	Grade 3-5

Requirement:

- Attach specimens securely to a backboard and display in a glass-topped case of the same model as used by the entomologists (approximately 19" x 16.5" x 3"). Specimens should be approximately 2" x 2". Label each specimen using the label described on page seven of the Geology Manual (available at <https://z.umn.edu/4-hgeologymanual>.) Size of label may be reduced to fit display case, if needed. Attach specimens so they will not fall if case is set on its edge. Member must have knowledge of how specimens are identified as to rock or fossil type.

Exhibit Suggestions:

- Display of birthstones, a rock plate, or an egg carton collection (see geology bulletin), six silly silicates.
- Rocks, minerals or fossils from within Minnesota or on a definite theme such as metamorphism, weathering, quartz minerals, ores or a theme of your own choosing.

- Polished rock types used to make decorative items such as paperweights and jewelry; include an unpolished specimen of each rock type.
- Educational exhibit showing the "science how's and why's" dealing with the principles of geology and natural earth sciences.

GLOBAL CONNECTIONS

P - 240 - 1*	Grade 9+
P - 240 - 2*	Grade 6-8
P - 240 - 3	Grade 3-5

Exhibit Suggestions:

- Poster or report explaining what you learned as a result of a cross-cultural home stay experience.
- Report or display on mission trip, school trip, pen pal, etc.

HEALTH

P - 250 - 1*	Grade 9+
P - 250 - 2*	Grade 6-8
P - 250 - 3	Grade 3-5

Exhibit Suggestions:

- Report on a health issue (i.e. alcohol and chemical abuse, eating disorders, sexuality, sexually transmitted disease, pregnancy, stress, depression, etc.) of your choice.
- Report on a community project that you conducted on a health issue. Include objectives, audience, timetable, program description, materials, community support, and evaluation.

HOME ENVIRONMENT

P - 260 - 1*	Grade 9+
P - 260 - 2*	Grade 6-8
P - 260 - 3	Grade 3-5

Requirements:

- Members exhibiting in this project should be prepared to discuss and/or have written information to show how their exhibit applies to the home, how and where it is used or displayed, and all details of how it was made or selected. They should know about the subject matter of the specific exhibit, the materials used, how and why it was done, costs involved, and alternatives considered
- A photograph and report showing its place in the home environment must accompany exhibits that are items for the home.
- Pictures and wall hangings that are exhibited should be finished and ready to hang.

Purchased kits ARE ALLOWED to be used.

Exhibit Suggestions:

- Finished or refinished wood item or reupholstered furniture.
- Repaired, restored, or remodeled item for the home.

- Chart and/or plan for the care and maintenance of the inside or outside of the home including daily, weekly, monthly, and yearly jobs.
- An article remade or reclaimed for the home with a link to the past, including history of use.
- Description, diagrams/photos, samples, and cost of a redecorating or remodeling plan showing before and after.

INDOOR GARDENING

P - 270 - 1*	Grade 9+
P - 270 - 2*	Grade 6-8
P - 270 - 3	Grade 3-5

Indoor living flowers and plants are to be exhibited in this area (including Indoor Fairy Gardens)

Requirements:

POTTED PLANTS:

- Flowering plants should be in bloom.
- Foliage plants should be in vigorous condition.
- Plants should be grown in the exhibited container for at least one month prior to fair.

PLANTS IN HANGING CONTAINERS:

- Container for the plant should not be more than 10" in depth or diameter.
- Maximum total length of hanger and plant should not exceed 4'
- Evaluation will include appropriateness of plant for a hanging container, condition, arrangement, hanger to container to plant relationship, and plants being well established.

TERRARIUMS:

- The terrarium may not exceed 24" in any dimension.
- Terrarium should be planted four to six weeks ahead of exhibiting.
- Members must be able to identify all plant materials in their terrariums, know why they were selected for use (quality, container and design).

Exhibit Suggestions:

- Two or more varieties of house plants with common and botanical name.
- Terrarium or dish garden: consider terrarium material of general terrarium plant of native and woodland plants of Minnesota.
- Educational exhibit showing plant propagation, plant history, forcing bulbs, life cycle of a flowering plant, etc.

LAWN AND LANDSCAPE DESIGN

P - 280 - 1*	Grade 9+
P - 280 - 2*	Grade 6-8
P - 280 - 3	Grade 3-5

Requirements:

- Posters showing physiology of a tree are not eligible for state Fair
- Evaluation will be based on design, neatness, plants used, and story told.

Exhibit Suggestions:

- Landscape Plan (not to exceed 22" x 28") drawn to scale with plants and major areas of yard labeled; should show changes and future plans. Photographs showing "before and after" views are desirable.
- Design a project meeting for this project area (in booklet form) including what you would teach, how you would teach it, goals of your meeting, activities you would include, and visual aids you would use.

NEEDLE ARTS

P - 290 - 1*	Grade 9+
P - 290 - 2*	Grade 6-8
P - 290 - 3	Grade 3-5

Requirements:

- Each exhibit must include a consumer information tag, if appropriate, with the following information: pattern company name and number, techniques, fiber content, cost, and care instructions.
- Participants are encouraged to bring instructions/pattern.
- If item is framed, a wall hanging, or to be displayed on a wall, it should be finished and ready to hang.

Exhibit suggestions:

- Any item made by the member using the techniques of knitting, crocheting, embroidery and crewel, counted cross stitch, needlepoint, hardanger, hand quilting, weaving, appliqué, latch hook, tatting, other.
- Consumer Product Analysis: Comparison and evaluation of materials, supplies, or accessories used for a needle arts technique.
- Historical/Cultural Study: Story, poster, or display about a needle arts heirloom from your family or local history museum. Exhibit must include information about how item should be preserved.

PERFORMING ARTS DAY

(Judged prior to County Fair at Share-the-Fun and Performing Arts Day on April 27)

Premium money will be awarded to those individuals that performed at Performing Arts Day prior to the fair. *Make sure to mark the appropriate lot number on your County Fair registration form in order to receive your premium.*

P - 300 - 1*	Grade 9+
P - 300 - 2*	Grade 6-8
P - 300 - 3	Grade 3-5
P - 300 - 7	Cloverbud

Requirements:

- To be eligible for State Fair, the member must be able to discuss the process of selecting, planning, performing and reflection on their project work.
- The performance cannot last longer than 10 minutes.

Exhibit Suggestions:

- An individual performance: Vocal, instrumental, speech, magic acts, dancing, etc.

PERFORMING ARTS FAIR EXHIBIT

Exhibit at the County Fair (judged at County Fair General Exhibit Judging)

P - 300 - 4*	Grade 9+
P - 300 - 5*	Grade 6-8
P - 300 - 6	Grade 3-5

Requirements:

- Any type of exhibit (excluding a performance) that shows a member's involvement or interest in the performing arts.
- No performances will be allowed. Performances were judged at Performing Arts Day prior to fair.

Exhibit Suggestions:

- Poster or display about your involvement or interest in the performing arts.
- A puppet and script made and created by member.
- A journal or scrapbook (with written statements) of current performing arts experiences.
- An educational display of some aspect of music, drama, or performing.

PETS (Display)

P - 310 - 1*	Grade 9+
P - 310 - 2*	Grade 6-8
P - 310 - 3	Grade 3-5

Requirements:

- Exhibit must include a photograph of 4-H'er with their pet on the display or exhibit.

Exhibit Suggestions:

- Educational display explaining pet care, health, nutritional needs, etc.
- Pet related exhibit, i.e. photo album, history of species display, animal care display.

PET SHOW

Judging will be held on Saturday, August 3, 2019 – 1:30 p.m. in the AgCountry Arena (behind the poultry barn).

P - 310 – 4	Dogs
P - 310 - 5	Cats
P - 310 - 6	Other Pets
P - 310- 7	Cloverbud Pet (K-2)

Requirements:

- **PET MUST BE DOMESTICATED.**
- A dog may be shown in the pet show or the dog show, not both.

- Animals that were raised as a part of another project may not be shown in the pet show.
- **DOGS** - Dogs over four months of age must be accompanied by a certificate of rabies vaccination issued by a licensed veterinarian.
- **CATS** – Cats must be accompanied by a certificate of rabies vaccination issued by a licensed veterinarian. They must also have trimmed nails (front and rear).
- All pets must leave the fairgrounds at the conclusion of the pet show.

PHOTOGRAPHY (Digital/Film)

ELEMENTS OF PHOTOGRAPHY

This exhibit will focus on what makes a good photograph. Only overall image corrections are allowed including: cropping, exposure correction, color saturation, contrast, sharpening, and black and white or sepia conversion.

P - 320 - 1* Grade 9+

P - 320 - 2* Grade 6-8

P - 320 - 3 Grade 3-5

Equipment:

Use any device capable of capturing a photographic image to be printed: digital or film camera, cell phone, tablet or drone may be used. Drone operator must meet age requirements for use of a drone.

Requirements:

- All photos exhibited must have been taken/produced/enhanced by the exhibitor during the current year
- The exhibitor's name, club, county and exhibit class should be clearly printed on the back of the exhibit.
- Unaltered 4"x6" photos must be attached to the back of any exhibit in the "Photo Manipulation" category.
- For safety, no picture frame or glass is allowed
- Exhibits with multiple photos should use 4"x6" prints
- Enlarged photos should be 5"x7" or 8"x10"
- Photos should be mounted on mat board or poster board using neutral colors (white, tan, grey or black). Do not use construction paper or colored paper.
- Exhibits should reflect the appropriate size for the item designed, e.g. the photos used for an ornament, a calendar, a poster, or brochure would require different sized photographs.
- Use 14 x 22" board for 5 or more photos in an exhibit. Cut smaller boards for enlargements

Exhibit Suggestions:

1. Photo Story:

- Show a town's history or a family history. This could include photos of historic buildings, old photos copied from the historical society or library, family or individual portraits, etc.
- Develop a documentary of another of yours or a friend's 4-H project or of your 4-H club's community service project
- Document environmental issues such as the plight of pollinators, pollution, soil erosion, or the steps taken to improve the environment

- Present a day in the life of – farm or city youth, a local professional person such as a school nurse or a firefighter, law enforcement office, or other interesting personality
 - Exhibit a series of photos on how to make or do something
2. Common Theme or subject:
 - Display a series of 3 to 7 photos of a common subject such as people, buildings, landscapes, animals, seasons, action, nature, weather, close-ups, etc.
 3. Photographic Elements:
 - Display a series of 5 to 7 photos that illustrate some photographic element such as composition, lighting, shutter speeds depth of field, etc.
 4. Panorama:
 - Show a single image created in camera or a triptych (set of 3 photos intended to be used together) of several images created by moving the camera

PHOTO MANIPULATION

Entries in this category must involve editing with computer software such as Photoshop, Lightroom, IPhoto, Picasa, Gimp, Pick Monkey, Pixi, Microsoft Publisher, etc.

P - 320 - 4* Grade 9+

P - 320 - 5* Grade 6-8

P - 320 - 6 Grade 3-5

Equipment:

Use any device capable of capturing a photographic image to be printed: digital or film camera, cell phone, tablet or drone. Drone operator must meet age requirements for use of a drone. A computer or tablet is required for photo manipulation.

Requirements:

- All photos exhibited must have been taken/produced/enhanced by the exhibitor during the current year
- The exhibitor's name, club, county and exhibit class should be clearly printed on the back of the exhibit.
- Unaltered 4"x6" photos must be attached to the back of any exhibit in the "Photo Manipulation" category.
- For safety, no picture frame or glass is allowed
- Exhibits with multiple photos should use 4"x6" prints
- Enlarged photos should be 5"x7" or 8"x10"
- Photos should be mounted on mat board or poster board using neutral colors (white, tan, grey or black). Do not use construction paper or colored paper.
- Exhibits should reflect the appropriate size for the item designed, e.g. the photos used for an ornament, a calendar, a poster, or brochure would require different sized photographs.
- Use 14 x 22" board for 5 or more photos in an exhibit. Cut smaller boards for enlargements

Exhibit ideas:

1. Photo Series:

Make a series of 5 to 7 photos that illustrate a common theme such as environmental issues, plight

of pollinators, how to do something, etc. Photos in this category must involve digital editing

2. Enlarged Photo:
Show a 5"x7" or 8"x10" print that has been digitally enhanced and illustrates software skills. An unaltered 4x6" print must be attached to the back of the exhibit
3. Publications:
Show calendars, brochures, posters that are created using computer software
4. Photo Novelties:
Display mugs, puzzles, blankets, or other media on which photos have been printed
5. Slide Show:
Make a compilation of photos with titles, voice-over or music background. For judging, exhibitor can show project on 14x22" poster board, computer or tablet.

PLANT AND SOIL SCIENCE

P - 330 - 1*	Grade 9+
P - 330 - 2*	Grade 6-8
P - 330 - 3	Grade 3-5

Exhibit Suggestions:

- Take soil samples and compare soil analysis.
- An exhibit showing different varieties of forages, cover crops, etc. (seed or plant)
- A plant life cycle exhibit highlighting the growth of a plant from seed to a mature plant.

POTATOES

P - 340 - 1*	Grade 9+
P - 340 - 2*	Grade 6-8
P - 340 - 3	Grade 3-5

Requirement:

- If displaying a potato box, you need 6-10 potatoes of the same variety or 2-3 varieties (this year's crop) similar in size with variety identified on a 3 x 5 card.
- Be familiar with crop input costs and the growing process.

Exhibit Suggestions:

- Educational display illustrating diseases and control, methods of mulching and reasons, causes and effects of sun scald.

QUILTING

P - 350 - 1*	Grade 9+
P - 350 - 2*	Grade 6-8
P - 350 - 3	Grade 3-5

Requirement:

- Each Item should include information listing: pattern book & name, fiber content of fabric & batting, and care instructions. If not quilted or hand tied by the 4-H'er, state who tied or hand/machine quilted the final project. (Note: depending on skill level of 4-H'er, someone else may do the final quilting). Item may be either machine quilted, hand quilted or hand tied.

Exhibit Suggestions:

- A quilted item, any finishing technique acceptable.

- Repair of an old quilt.
- A display showing the history of quilting, fabrics and patterns used in quilting or a topic of your choice.

ROBOTICS

P - 135 - 9*	Grade 9+
P - 135 - 10*	Grade 6-8
P - 135 - 11	Grade 3-5

Note: The goal of the 4-H robotics program is for the 4-H members to explore science, technology and engineering through designing and building a functioning robot. The robot can be either programmable or remote controlled. The robot can be created by an individual or a group.

Requirements:

- Exhibits must be labeled with name, and county on all pieces of the exhibit
- Include a description of the robots ability to sense, follow a plan, and complete an act
- Exhibits may have a one page report explaining the function, purpose and construction of the robot.

Exhibit Suggestions:

- A robots, a display, diagrams of programming, booklets, etc.

SAFETY

P - 370 - 1*	Grade 9+
P - 370 - 2*	Grade 6-8
P - 370 - 3	Grade 3-5

Exhibit Suggestions:

- Explore a safety issue of your choice. Ideas include traffic safety, home safety, farm safety, community safety, fire prevention, and first aid kit. Include an item for display representative of project activity.
- Prepare a First Aid Kit and be able to explain the reasons for the items you included.
- Exhibit may be a display, binder, poster, etc.

SCRAPBOOKING

P - 500 - 1*	Grade 9+
P - 500 - 2*	Grade 6-8
P - 500 - 3	Grade 3-5

* A State Fair trip will be awarded in this area and exhibited under Self-Determined at the State Fair.

Requirements:

- Scrapbooks must be work completed throughout the last year.

Exhibit Suggestions:

- Be creative in your design
- Suggested to use sheet protectors to protect your pictures/sheets from fairgoers paging thru.

SELF DETERMINED

P - 380 - 1*	Grade 9+
P - 380 - 2*	Grade 6-8
P - 380 - 3	Grade 3-5

Requirements:

- This Division is intended for an exhibit that doesn't fit in any other project area. This is not a "catch-all" category, but rather intentional self-directed learning.
- A team may consist of not more than three (3) individuals from the same club or from up to 3 clubs from the same county.
- To be eligible for State Fair, the member(s) must be able to discuss the process of selection, planning and management of a self-determined learning experience.

Exhibit Suggestions:

- Poster, display or notebook showing the process of doing the activity/project.
- Display of finished work.
- Use this project area for Geospatial exhibits and Clowning exhibits.

SHOOTING SPORTS/WILDLIFE MANAGEMENT

P - 390 - 1*	Grade 9+
P - 390 - 2*	Grade 6-8
P - 390 - 3	Grade 3-5

Requirements:

- Exhibit may not exceed 12" deep x 24" wide x 36" high, except that a gun, bow and arrow, or taxidermy item may be included in a display and will not be considered in the calculation of dimensions.
- MN and 4-H regulations for handling and storing firearms must be followed.
- No explosive materials are allowed. Arrows must be secured in such a manner so as to prevent their points or edges from being a hazard. Only sporting firearms and bows will be exhibited, displayed, or demonstrated.
- Projects with sporting firearms and bows will be present for judging only but will not be kept on the fairgrounds for display. If you would like your project displayed throughout the fair, please bring pictures of the project to display.

Exhibit Suggestions:

- Safety techniques applied to shooting activities (e.g., range commands and range safety, eye and ear protection, cleaning a firearm, dressing for safety-first aid, survival skills, etc.).
- Shooting Skills (e.g., basic safety rules, basic parts and functions of each piece of equipment, care and maintenance, accessories, position, etc.).
- Display illustrating key field identification features of a group of game animals (e.g., distinguishing various species of puddle ducks, differences among five look-alike species of upland game birds, etc.).
- Leadership skills learned in your shooting sports club.
- History and nomenclature of trapping, hunting, and firearms.

- Sportsmanship: Ethical behavior and responsibility, effects of values to wildlife of modern game laws and regulations.

SHOP

P - 400 - 1*	Grade 9+
P - 400 - 2*	Grade 6-8
P - 400 - 3	Grade 3-5

Requirements:

- Check space requirements for large exhibits with staff. Large exhibits may be displayed outdoors. Contact 4-H Staff no later than July 19th if you have an oversized exhibit.
- Exhibits must not take up more than 10 square feet of floor space.
- Attach a card to all exhibits describing construction materials, unusual joinery finishing techniques, and total cost.

Exhibit Suggestions:

- Article made of wood or metal
- Wooden or metal article repaired, finished, or refinished.
- Display on properties, uses, or processing of wood.

SMALL ENGINES

P - 410 - 1*	Grade 9+
P - 410 - 2*	Grade 6-8
P - 410 - 3	Grade 3-5

Exhibit Suggestions:

- Small engine that has been reconditioned or repaired.
- A device constructed by a member utilizing a small engine.
- Display on the parts of an engine, etc.
- An educational display of some aspect of small engine use, care, reconditioning, etc.

SMALL GRAINS

P - 110 - 4*	Grade 9+
P - 110 - 5*	Grade 6-8
P - 110 - 6	Grade 3-5

Requirements:

- Crop must be grown on your own farm or a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous years growing season.
- Include a 3 x 5 index card listing the variety.
- Be familiar with crop input costs and the growing process.

Exhibit Suggestions:

- A two-quart exhibit of any small grain variety must be placed in a clear two-quart jar or 2 clear one-quart jars. This could include wheat, oats, rye, barley, etc.
- An educational display illustrating one of the following ideas: plant reproduction, plant growth factors, plant characteristics, usage of plants, plant growth and food production, examples of a plant disease, etc. of a small grain.

TRACTOR

P – 420 - 1*	Grade 9+
P – 420 - 2*	Grade 6-8
P – 420 - 3	Grade 3-5

Requirements:

- Check space requirements for large exhibits with staff. Large exhibits may be displayed outdoors. Contact 4-H Staff no later than July 19th if you have an oversized exhibit.
- Fuel must be removed from exhibits for display.

Exhibit suggestions:

- A poster, video, display, notebook, representing your project learning.
- Restored, reconditioned, rebuilt tractor.
- Exhibit may represent learning about tractor safety, history, use, purchasing decisions, establishing a custom business with your field, lawn tractor or material prepared to train others.

VEGETABLE & HERB GARDENING

HERB GARDENING

P - 560 - 1*	Grade 9+
P - 560 - 2*	Grade 6-8
P - 560 - 3	Grade 3-5

Exhibit Suggestions:

- Educational display showing some aspect of raising or using herbs.
- A herb container garden planted in a tub, pot, or planter.
- A dried sample of herbs you have raised, harvested and dried (in an airtight container).

VEGETABLE GARDENING

P - 430 - 1*	Grade 9+
P - 430 - 2*	Grade 6-8
P - 430 - 3	Grade 3-5

*Note: - If selected for State Fair: vegetable exhibits taken to state fair must contain six different vegetables (1 large specimen + 3 medium specimen + 2 small specimen) or be an educational display.

Requirements:

- Label vegetables with proper variety names.
- When exhibiting a collection of vegetables, the collection should include six different kinds of vegetables (For example: 1 large specimen + 3 medium specimen + 2 small specimen = 6 different vegetable specimens for this project choosing any combination of the following:
 - A. One large vegetable specimen (cabbage, squash, melon, pumpkin, cauliflower, etc.)
 - B. Three different medium sized vegetable specimens and 3 of each specimen (tomatoes, onions, peppers, cucumbers, kohlrabi, carrots, beets, turnips, etc.)
 - C. Two small vegetable specimen's and 12 of each specimen (green beans, peas, lima beans, etc.)
 - D. Potatoes may not be included (enter under the Potato project).

VEGETABLE GARDENING PLATE

P - 570 - 1	Grade 9+
P - 570 - 2	Grade 6-8
P - 570 - 3	Grade 3-5

*Note: This is not a State Fair eligible project

- On a disposable plate, display a collection of vegetables that includes one or more kinds of vegetables, choosing any combination of the following:
 - A. Large vegetable specimen, 1 sample (cabbage, squash, melon, pumpkin, cauliflower, etc.)
 - B. Medium sized vegetable specimens and 3 of each specimen (tomatoes, potatoes, onions, peppers, cucumbers, kohlrabi, carrots, beets, turnips, asparagus, etc.)
 - C. Small vegetable specimen's and 6- 12 of each specimen (green beans, peas, cherry tomatoes, jalapenos, lima beans, etc.)

Requirements:

- Label vegetables with proper variety names.

VEGETABLE GARDENING DISPLAY

P - 580 - 1	Grade 9+
P - 580 - 2	Grade 6-8
P - 580 - 3	Grade 3-5

Exhibit Suggestions:

- Educational display showing some aspect of vegetable gardening (e.g., the difference in development between thinned vs. un-thinned vegetables, the production of different varieties of a vegetable, etc).
- A mini garden planted in a tub, pail, or large planter.

VETERINARY SCIENCE

P - 440 - 1*	Grade 9+
P - 440 - 2*	Grade 6-8
P - 440 - 3	Grade 3-5

Requirements:

- Exhibit may include: models, diagrams, actual items and/or written articles.

Exhibit Suggestions:

- Diagram of your favorite animal with anatomy
- Display or binder on diseases of animals, ringworm, heartworm, displaced abomasums, hip dysphasia, scours, etc.

VIDEO/ FILMMAKING

P - 450 - 1*	Grade 9+
P - 450 - 2*	Grade 6-8
P - 450 - 3	Grade 3-5
P - 450 - 4*	Production Team (2-3 members per team/can come from different schools and/or grades)

Equipment:

-Any electronic device capable of capturing a video image: video camera, digital camera, DSLR, time lapse camera or trail camera, cellphone, tablet, Go Pro or drone with attached camera (operator must meet age requirements to use a drone).

Requirements:

- All video/filmmaking exhibits must be made by the exhibitor OR By a production team of which the exhibitor must be a member
- The exhibitor's name, grade, and club must be clearly printed on all exhibit pieces- The video/filmmaking exhibit SHOULD NOT EXCEED 10 MINUTES
- All video/film footage exhibited must have been made/created DURING THE CURRENT 4-H YEAR. When appropriate, (i.e. historical sequences) older video clips can be used, otherwise video content must have been taken in the current 4-H year
- Video/film must be presented on DVD, USB, flash drive or data CD
- Video/film needs to be in presentation form, including a title and credits
- It is encouraged that when developing a 4-H video/filmmaking exhibit, members will develop skills beyond the classroom
- The video/film must be original material, portions from other sources must be documented and have a copyright release, including music. Any video/film exhibit, which appears to contain copyrighted material, including music, will not be publicly displayed unless the exhibitor has written permission from the producer to use the material in the video/film.
- A computer must be brought for viewing the video/film during the conference judging, otherwise other arrangements need to be made in advance with the 4-H staff
- Video/film must be playable on Windows, use file format including .WMV, .FLV and .MPEG, .AVI, .MOV, .AVCHD, .MPEG-1, .MEG-4, as well as a playable DVD.

Note: This is not a slideshow (see Manipulated Photography for slideshow)

Exhibit Suggestions:

- Showcase various video/film techniques
- A selected subject. Include a short storyboard or outline
- A poster that illustrates how a video/film camera works, or how to care for video/film equipment, illustration of computer video/film creation, etc.
- A video/film made by blending computer technology and traditional camera created video/film.
- A video/film using data from trail camera or time lapse camera (stop action video) or drone with attached camera (operator must meet age requirements to use a drone).
- A video/film using Claymation or stop action
- Document environmental issues such as the plight of pollinators, pollution, soil erosion, or the steps taken to improve the environment

WATER / WETLANDS

P - 460 - 1*	Grade 9+
P - 460 - 2*	Grade 6-8
P - 460 - 3	Grade 3-5

Exhibit Suggestions:

- Display showing the five unique physical properties of water; the hydrologic or water cycle; the quantities and uses made of water by families, municipalities, industries, animals, and plants;
- Display on water quality or management--pollution, conservation, water quality standards, etc.

WILDLIFE BIOLOGY

P - 470 - 1*	Grade 9+
P - 470 - 2*	Grade 6-8
P - 470 - 3	Grade 3-5

Exhibit Suggestions:

- Display showing the life cycle of your favorite wild animal.
- Birdhouse, birdfeeder or homemade bird book of local birds.
- An animal book of wild animals of Minnesota--describe habitat, food, and shelter needs.
- A wildlife management plan--show practices related to land use and forest management for wildlife.
- Basic concepts of Wildlife Management (waterfowl wingboards, birdhouse trails, game food habits, game animal habitat requirements, history of game management, etc).

YOUTH LEADERSHIP

P - 480 - 1*	Grade 9+
P - 480 - 2*	Grade 6-8
P - 480 - 3	Grade 3-5

Purpose:

Youth Leadership is a project area that requires the member to discover their skills and then develop those skills and share them with others. This might happen individually or with a group.

Guidelines:

- Taking charge, leading a service project and sharing the steps from beginning to end would be one example of a youth leadership project.
- Some ways to present your work would be (but are not limited to): three-sided display boards, scrapbooks and posters.

4-H CLUB EXHIBITS

Club key leaders **MUST** register these exhibits with the Meeker County Extension Office by July 1

Club exhibits are due to the 4-H Building by **Wednesday, July 31 at 4:00 p.m.**

Be sure to have all exhibits identified with your club name.



CLUB BANNER

T - 1 - 1* Club Banner

One banner is allowed per club to be displayed in the 4-H Foodstand. It is the club's responsibility to pick up the exhibit tag, attach the exhibit tag, and hang the banner in the 4-H Foodstand on entry day.

TWO banners will be selected for State Fair exhibit.

Requirement:

- Banner must be 3' x 5' and designed to hang vertically.
- It must be completed and equipped with a dowel (minimum size 3' 8") and ready to hang.
- Banner must be of fabric (no paper) and can be one or two-sided.
- Club name on 3 x 5 card pinned to back. (Any assembly technique can be used.)

COMMUNITY PRIDE

T - 1 - 2* Community Pride

ONE exhibit will be selected for State Fair.

Requirements:

- The exhibit may include a three-sided display (not to exceed 12" deep x 24" wide x 36" high), video or other visual method which visually highlights the entire project or certain parts in a manner which tells the public what positive effects the project has on the community.
- Two club youth who participated in the project must represent the club in conference judging.
- For State Fair, two club members, grades 6+ must be present for conference judging.

Community Pride participants at State Fair may exhibit another individual project.

CLUB SCRAPBOOK

T - 1 - 4 Club Scrapbook (County Fair Only)

Requirements:

- Show and explain your club activities and participation in community and county events since last year's County Fair
- **NEW IN 2019** – Scrapbook should cover the current 4-H year, starting with October 1 up to the start of current year's fair entry day.
- Each 4-H club may enter a maximum of two (2) scrapbook exhibits.
- Scrapbooks from previous years not eligible.

SCARECROWS

T - 1 - 5 Scarecrows (County Fair Only)

- Each 4-H club may enter a maximum of two (2) scarecrow exhibits. It must be constructed well enough so that it will remain secure during the fair. Exhibit must be identified with club name.

Size Restriction:

All scarecrows must be under 7' tall and contained within a 10 sq. ft. area.
Ex. 2' wide x 10' long OR 3' wide x 3' long
Please note: Larger exhibits may be required to be displayed outdoors depending on space.

RECYCLING BARRELS

T - 1 - 6 Recycling Barrels (County Fair Only)

- Each 4-H club may enter a maximum of two (2) recycling barrel exhibits. Barrels must be 30-55 gallon size. Exhibit must be identified with club name.
- Plastic barrels are available at the fairgrounds. Contact the Extension Office to make arrangements to pick them up, 320-693-5275.

POTTED FLOWERS

T - 1 - 7 Potted Flowers (County Fair Only)

- Each 4-H club may bring a maximum of two (2) potted flower exhibits. Some plants must be in bloom. Entries will be judged on health and vigor of plants plus attractiveness and originality of container. This exhibit is to help beautify the exterior of the 4-H Building. All exhibits must be identified with club name.
- It is the club's responsibility to ensure adequate watering during the fair.

SHARE THE FUN

(Judged prior to County Fair at Share-the-Fun and Performing Arts Day on April 27)

Premium money will be awarded to clubs that performed a skit at Share-the-Fun Day prior to the fair. *Make sure to mark the appropriate lot number on your County Fair registration form in order for your club to receive the premium.*

Please note: Individual 4-H Members that participated in their club's skit do not register for Share-the-Fun on their County Fair Registration form. Premiums will only be paid to clubs.

T - 1 - 8 Share the Fun

Up to three performances can exhibit at the State Fair.

- Share the Fun is an event held in late winter/early spring where clubs present skits that promote 4-H. The purposes of Share-the-Fun include: building club rapport and unity, promoting 4-H, and providing recognition for the club.

GENERAL & CLUB EXHIBIT PREMIUMS

Project	Blue	Red	White
Cloverbud Exhibits (all) \$4.00	4.00	4.00	4.00
General Exhibits	4.50	4.00	3.50
Crafts/Fine Arts (all) \$4.00	4.00	4.00	4.00
Demonstrations - \$7.00	7.00	7.00	7.00
Food Review - \$7.00	7.00	7.00	7.00
Fashion Revue - \$7.00	7.00	7.00	7.00
Performing Arts	7.00	7.00	7.00
Club Exhibits & Activities	9.00	7.00	5.00