

Department 10 4-H and Vocational

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General Regulations for 4-H and Vocational

Eligibility:

- 1) 4-H Club members must have passed their eighth birthday but not have passed their nineteenth birthday by January 1 of the current year.
- 2) Exhibitors must be 4-H members, a project in the field in which they wish to make entry and be under the supervision of Pennsylvania State University Cooperative Extension Service by July 1 preceding the fair.
- 3) Students enrolled in an accepted vocational school curriculum must be conducting a project in the class in which they wish to make entry.
- 4) Students enrolled in general home economics in a comprehensive high school are considered as qualifying.
- 5) All entries shall be approved prior to the fair by a member of Pennsylvania Department of Education, Agriculture or Family and Consumer Science staff, or their designated representative.
- 6) NOTE: In any case, where there is reference to 4-H and Vocational classes, the Fair has the option - if there are a sufficient number of available exhibits -- to divide the show into two, one for 4-H and one for Vocational, or they may be shown together.
- 7) NOTE: 4-H or FFA member must be present and must have charge of his/her animal at the time of judging.

What is the real purpose of youth (4-H & FFA) livestock projects?

- 1) One purpose is to teach young people how to feed, fit, and show their animals. The more important purpose is to provide an opportunity for personal growth and development of the young person.
- 2) The Josephson Institute of Ethics has developed a curriculum, which identifies six core values, which may help to better describe the value of youth livestock projects.
- 3) This curriculum also presents the idea that people develop and strengthen character by practicing certain behaviors just as muscles are built through exercise.
- 4) Therefore, the purpose of the youth livestock program (4-H and FFA) is to provide opportunities for young people to develop character. The character traits identified and some practices (exercises) that may build character follow:
 - a) Trustworthiness - includes honesty, promise keeping and loyalty daily feeding, watering of animals (promise keeping) adheres to possession deadlines (honesty) adheres to withdrawal times on drugs and de-wormer only the appropriate use of approved drugs
 - b) Respect - includes courtesy and proper treatment of people and things proper handling of animals, treat humanely proper care of animals, listens to and follows advice of advisors recognizes that animal projects are dependent on 4-H'er and provides daily feed and water
 - c) Responsibility - includes the pursuit of excellence, accountability and perseverance, daily feeding and watering (even on the busy, difficult days) goes beyond providing the daily needs of the animal in giving additional time and attention to produce a winner, adheres to deadlines for entry forms and for arrival at livestock shows never gives up in the show ring (perseverance)

- d) Fairness - involves consistently applying rules and standards appropriately for different age groups and ability level
 - e) Is feed only approved livestock rations only the appropriate use of approved drugs accepts winning or losing with grace conduct in the show ring follows recommended procedure
 - f) Caring - promoting the wellbeing of people and things in a young person's world. It denotes action and not just feelings. daily feeding and watering provides clean barn/stall for animal treats animal humanely at all times
 - g) Citizenship - includes making the home community and county a better place to live for themselves and others. accepting instructions winning and losing with grace helping others at stock shows teaching younger members treating animals humanely ensuring that your meat animal is safe for consumption
- 5) All Elementary and Secondary school age children are eligible to compete. Entries must be the work of the pupils of the exhibitor and must have been done in school under the supervision of the teacher since the proceeding fair and during the school term.

General Regulations for Animal Science

- 1) Each item must have been made by a 4-H member who is enrolled in a 4-H project within the current year.
- 2) Exhibits should portray base requirements as outlined in specific 4-H projects
- 3) Posters shall be size 14" x 22" (half of a large poster board)

4-H and FFA Vegetables

Exhibitor must be enrolled in an appropriate 4-H or FFA horticultural project.

- 1 In selecting vegetables for exhibition, choose specimens that would bring the highest market price. Do not select the largest; select medium size specimens. If all at all possible, do not mix varieties.
- 2 The following factors are generally used by the expert vegetable judge.
 - a. Trueness to variety type. If at all possible, pick the specimens from on variety
 - b. Uniformity in shape, size and color
 - c. Be sure to pick out a perfect specimen, and then select the others as similar to it as possible. Near mix specimens of different maturity.
 - d. Protect from dirt, disease, infection, and mechanical damage. Select specimens that are perfect and show no blemishes of any kind.
 - e. Condition and maturity. Be sure the exhibits are of high quality.
 - f. Pa\potatoes should not be washed. Remove soil using a soft cloth or brush.
 - g. Tomatoes should have stems removed. Carrots, beets, etc. should have tops (leaves) removed for vegetables leaving about (2) two inches of stems.
- 3 All produce will become the property of the fair association. After judging, an appropriate portion will be displayed and the balance will be donated to charitable organizations.

4-H and FFA Home and Dairy Products

Rules for Entry:

- 1. Each item must have been made by a 4-H member who is enrolled in a 4-H Foods project within the current year.
- 2. Exhibits should portray base requirements as outlined in specific 4-H projects.
- 3. All baked goods will become the property of the fair association.
- 4. All posters must be 14" x 22" horizontal and vertical and will be judged on the basis of visual

impact, creativity, neatness, accuracy, and appropriateness of information.

SECTION M01 - Foods & Nutrition

Premium	1st	2nd	3rd	4th
	3.00	2.50	2.00	1.50

1. Three jar display of fruit and tomatoes (must include fruit in sugar syrup, fruit in fruit juice, and one jar of tomato product)
2. Three jar display of low acid vegetables or vegetable mixtures
3. Four jar display of sweet spread (four different jams or jellies)

Exploring Cake Decorating with 4-H

Display in clear dome lid container

4. Decorated single layer sheet cake or round (Can use real cake or Styrofoam form)
5. Decorated stacked or tiered cake
6. 4 decorated cupcakes
7. Poster sharing a technique or skill you learned in your project (use correct poster size)

4-H Cooking 101

8. Three (3) granola bars
9. One coffee cake or a one-layer quick mix yellow cake
10. Two (2) brownies
11. Three (3) peanut butter cookies OR three (3) oatmeal drop cookies
12. Poster on one of the following topics: MyPlate, sugar in soft drinks, using and cleaning electrical equipment, microwave safety, setting the table, or salad preparation (note poster size requirements)

4-H Cooking 201

One (1) any size loaf or one of the following variations of a basic quick bread in the project book: apple bread, banana bread, carrot-orange bread, orange nut bread, or whole grain bread

13. Three (3) muffins
14. Two (2) biscuits
15. One 9" x 9" banana snack cake (may exhibit an 8" x 8" banana snack cake)
16. One 8" x 8" funny cake or wacky cake
17. Four (4) snickerdoodle cookies
18. Poster on one of the following topics: meal planning, cooking with ground beef, buying fruits and vegetables, or reading a food label (note poster size requirements)

4-H Cooking 301

19. Three of one type of shaped roll, such as bowknots, cloverleaf rolls, coils, crescents, fantans, figure-eights, horseshoes, lucky clover, Parkerhouse rolls, pinwheels, twin rolls, or twists using the basic dinner rolls or whole wheat roll recipe

20. Tow (2) soft pretzels
21. One loaf of basic yeast bread (white or other variety) or white batter bread
22. One round (or square) of cinnamon rolls (8 or 9-inch round or square pan size) with icing
23. One loaf (any type) of bread made in a bread machine
24. One layer of one of the following unfrosted cake: white cake, chocolate cake, oatmeal cake, or carrot cake
25. Poster on one of the following topics: outdoor cooking, slow-cooking, yeast breads, types of flour, types of grains, making butter, kitchen equipment (large) OR kitchen gadgets (note poster size requirements)

4-H Cooking 401

26. One loaf of one of the following: German dark rye, French bread OR other yeast bread
27. Four (4) pieces of one type of candy: peanut or cashew brittle, microwave peanut or pecan brittle caramels, marshmallow fudge or toffee
28. One pastry tart (without filling) or four strips of baked pastry (exhibited on a salad-size paper plate)
29. One angel food cake, any flavor, without frosting or icing
30. Poster on one of the following topics: cooking with double broiler, cooking beans and peas, moist heat cooking methods, dry heat cooking methods, stir frying OR fruit selection (note poster size requirements)

Snack Attack

31. Popcorn trail mix (one cup) in a clear glass food container
32. Three (3) peanut butter cookies
33. Three (3) oatmeal muffins

35. Poster on one of the following topics: nutrient-dense foods, choosing fruits and vegetables, reading a nutrition label, or snack selection (note poster size requirements)
36. Poster with a record of your physical activity for a week, including time spent and type of activity (note poster size requirements)

Science Fun with Kitchen Chemistry

37. Poster on one (1) of the 11 food experiments in the project book. Include observations and results of experiments on the poster (note poster size requirements)

Grill Master

38. Foil pouch made as illustrated on page 42 of the project book
39. Poster providing organizational plan for grilling off-site (see page 37 of project book for example and note poster size requirements)
40. Charcoal grill made by member (instructions on page 14 of project book)

Beyond the Grill

41. Poster on one of the following topics: how to pack a cooler OR outdoor food safety (note poster size requirements)
42. Notebook or collection of 5-10 recipes you have prepared in your project, include one Dutch-oven recipe
43. Poster with outdoor party preparation timeline (note poster size requirements)

Global Gourmet/Breads Around the World

44. One loaf or round bread OR dessert cake made from a recipe that originates outside the U.S. (attach recipe)
45. From a recipe that originates from another country or culture, three of the same type of one of the following: pretzels, tortillas, or other bread product. Indicate country or culture.
46. Poster on information about foods from a country or culture outside of the United States OR about a specific bread with information about the country or culture the bread represents. Include a recipe or recipes on poster (note poster size requirements)

Department 10 - 4-H and FFA Home Economics

Rules For Entry:

1. Exhibitors must be a 4-H member in good standing in the Indiana County 4-H program and enrolled in a textile science project.
2. Entries will be judged on fabric, color, design, suitability, construction and aesthetic interpretation, and degree of difficulty.
3. An entry that fails to meet project requirements as stated in the appropriate 4-H project book will not be judged, but it may be exhibited if space permits.

4. Entries not entered in correct classes may be switched to the correct class.
5. All posters must be 14" x 22" horizontal and vertical and will be judged on the basis of visual impact, creativity, neatness, accuracy, and appropriateness of information.

SECTION M02 - Clothing & Needlecraft

Premium	1st	2nd	3rd	4th
	3.00	2.50	2.00	1.50

Sew Much Fun

1. Pants, pajama pants, or skirt with elastic or drawstring waistband
2. Shirt, top, or blouse with casing or simple closure
3. "Instant" top, skirt, or dress using a pre-shirred fabric or cut-out
4. Simple dress with casing or simple closure
5. Other simple garment

Sew Much More

6. Travel, bed, sewing, caddy or pocket beach towel
7. Potholder or mitt
8. Pillow or quillo
9. Pajama tote, laundry, or gym bag
10. Wall hanging
11. Pillowcase
12. Other simple non-garment item (ex. Apron, scarf, etc.)

Stitch By Stitch

13. Finished Garment, Sampler, OR craft made with a variety of hand stitches OR hand-sewn buttons

Knits

14. Knit t-shirt or sweatshirt
15. Knit dress or outfit
16. Knit pants or skirt
17. Outfit using both knit and woven construction

Coordinates

18. Simple top, vest or poncho AND a skirt or slacks (Note: two garments are required)
19. Simple dress, jumper, or shift
20. Other simple coordinate garment. NOTE: 4-H members making more advanced garments should exhibit in the Separates project.

Accessories

21. A grouping of three different sewn non-garment accessories. (Paired items, such as gloves, count as one type).

Time Saving Sewing/Wardrobe Planning/Closet Connections/Shopping

22. Poster showing money saved in wise clothes purchases or plan to purchase a garment or several garments for school or a special occasion (note poster size requirements)
23. A garment or item made using time-saving sewing methods with an attached description of method used.
24. Other item

Sewing for Other Projects and Other People

25. Garment for another person with a photo of person wearing garment
26. Toy, blanket, kite, OR other item made in this project

Create Your Own Project

27. A sewn product produced in the project

Separates

Garments in the separates must include two or more advanced techniques such as a zipper, lining, set-in sleeves, waistband, buttons, button holes, collar, or hand hem. Formal or party dresses should be entered in the Special Occasion Garment Class.

28. Two (or more) piece non-tailored outfit
29. Dress, two-piece dress, or jumper
30. Coat or Jacket – not tailored

Tailoring

Garments must be shaped using custom, dressmaking, OR contemporary (fusing) applications. Simple jackets, advanced coordinates, three-piece outfits without tailored applications should be exhibited in the separates project.

- 31. Tailored Jacket or Coat
- 32. Tailored Ensemble

Formalwear

- 33. Special Occasion Garment OR Party Dress (short)
- 34. Special Occasion Garment OR Party Dress (longer than knee-length)

Design

- 35. A purchased garment or textile with applied design (ex. Stenciling, smocking, sweatshirt decorating, applique, tie-dye, etc.)
- 36. Recycled or remade garment with "before" photo or drawing

Weaving

- 37. A garment made from fabric created on a loom
- 38. Cloth or textile made on a loom of some type (with photo or drawing of loom)
- 39. A homemade loom OR a poster showing photos of a homemade loom, how to use a loom, or equipment used in weaving. Posters should be 14" x 22" vertical or horizontal.

Fashion Revue

- 40. A scrapbook with photos and story of member's fashion revue experiences

Beginner Crocheting

- 41. One article from the project list (paired items, such as slippers, count as one article)

Intermediate Crocheting

- 42. One small article (paired items, such as mittens, count as one article)
- 43. One garment or large article, such as an afghan

Advanced Crocheting

- 44. One small article from the project list (paired items, such as gloves, count as one article)
- 45. One garment or large article, such as an afghan

Beginner Knitting

- 46. One article from the project list (paired items, such as slippers, count as one article)

Intermediate Knitting

- 47. One small article from project list (paired items, such as mittens, count as one article)
- 48. One garment or large article, such as an afghan

Advanced Knitting

49. One small article from the project list (paired items, such as mittens, count as one article)
50. One garment or large article, such as an afghan

Beginner 4-H Quilt Quest

All hand and machine quilting must be done by the 4-H member. Simple blocks using squares, rectangles; simple applique' or paper piercing; rag quilt)

51. Quilt block, hand or machine pieced (unfinished, not quilted)
52. Table runner, placemat, small quilt or other item, hand quilted
53. Table runner, placemat, small quilt or other item, machine quilted
54. Table runner, placemat, small quilt or other item, tied

Intermediate 4-H Quilt Quest

All hand and machine quilting must be done by the 4-H member. Blocks using triangles and bias edges; items with sashing, borders, cornerstones, etc.)

55. Quilt, pieced, applique' OR other technique, any size, hand quilted
56. Quilt, pieced, applique' OR other technique, any size, machine quilted
57. Quilt, pieced, applique' or other technique, any size, tied
58. Wall hanging or other small item, pieced, applique' OR other technique, hand quilted
59. Wall hanging or other small item, pieced, applique' OR other technique, machine quilted
60. Wall hanging or other small item, pieced, applique' OR other technique, tied

Advanced 4-H Quilt Quest

All hand and machine quilting must be done by the 4-H member. Project entered in this area should demonstrate advanced skills, such as: y-seams, curved piecing, or complex piecework. May include whole cloth quilts, cathedral window, trapunto, sashiko, and other embellishments.

61. Quilt or other item with one or more advanced techniques, hand quilted – less than 200" perimeter
62. Quilt or other item with one or more advanced techniques, machine quilted – less than 200" perimeter
63. Quilt or other item with one or more advanced techniques – hand quilted – greater than 200" perimeter
64. Quilt or other item with one or more advanced techniques – machine quilted – greater than 200" perimeter

Department 10 4-H Opportunities

Rules For Entry:

1. Exhibitors must be a 4-H member in good standing in the Indiana County 4-H

program and enrolled in the project area they are entering.

2. A 4-H member may enter one item per subclass, within a class.
3. An entry that fails to meet project requirements as stated in the appropriate 4-H project book will not be judged, but it may be exhibited if space permits. Each article will be judged according to the exhibit guidelines listed below.
4. Entries not entered in correct classes may be switched to the correct class.
5. All posters must be 14" x 22" horizontal and vertical and will be judged on the basis of visual impact, creativity, neatness, accuracy, and appropriateness of information.
6. Do not exhibit any substances that could be toxic or harmful to others (for example, blasting devices left in rockets, medicines in first aid kit, formaldehyde in containers, etc.)

Section M03 Environmental Education and Earth Sciences

Premium	1st	2nd	3rd	4th
	3.00	2.50	2.00	1.50

Entomology

1. Year 1: Display a minimum of 25 different insects representing five insect orders
2. Year 2: Display a minimum of 50 different insects representing seven insect orders
3. Year 3: Display a minimum of 70 different insects representing nine insect orders
4. Year 4: Display a minimum of 90 different insects representing 10 insect orders
5. Special collection (for third- and fourth-year members only): Unique collection of a specific insect group. The collection must be labeled to identify the unique insect type (for example: aquatic or nocturnal insects).

Fishing

6. Take The Bait, Level 1 – Exhibit one of the following: Sample of a knot 4-H member tied or poster on what type of tackle to use; how the aquatic environment can affect fish populations and some of the interactions between people and fish habitat
7. Reel In The Fish, Level 2 – Exhibit one of the following: Sample of fishing knot 4-H member tied; Sample of fishing tackle 4-H member made; or Poster on the biological needs of fish, the importance of water quality for fish habitat and why fishing regulations are so important
8. Cast into the Future, Level 3 – Exhibit one of the following: Sample of artificial flies and lures made by the 4-H member; Sample of modified fishing equipment; Lure designed and crafted by a 4-H member; Collect and identify five different aquatic insects; or Poster on how to determine the age of fish

9. Adopt A Tree – Exhibit project book and album of activities completed

10. Treetop – Exhibit project book and the "Tree Touch Box"

11. Trees and Me = Forestry – Exhibit completed project book with display of collection representing six different trees (leaf, twig, stem, or branch cross section for each) identified

12. Advancing in Forestry – Exhibit project book and poster of two completed round-up ideas

Landscape Gardening

13. A landscape plot plan for the site you landscaped with before and after photographs

Outdoor Adventures

14. Hiking Trails Project: Poster that includes a narrative story about one hiking experience and new skills used or knowledge learned from the project on the hike. (Note poster size requirements)
15. Camping Adventure: Poster that includes a narrative story about a camping experience, including new skills used or knowledge learned from the project during the camping trip. Include at least three pictures (photographs or illustrations) on poster showing different aspects of your camping experience. (Note poster size requirements)
16. Backpacking Experiences: Poster that includes a narrative story about a backpacking trip. Include at least three pictures (photographs or drawings) on poster showing different aspects of your backpacking trip. (Note poster size requirements)

Plant Science – Meet The Plants

17. Plant propagated and a 5" x 7" card describing the steps used
18. An experiment from the project book with a 5" x 7" card describing the process and results

Shooting Sports: Air Pistol, Air Rifle, Shotgun, Muzzleloader, Archery, .22 Rifle

19. Poster on any phase of safety presented in the project (Note poster size requirements)
20. Poster on the use and purpose of these sporting instruments (Note poster size requirements)

Wildlife Is All Around Us

21. Book 2 – Spring: Completed project book and display birdhouse
22. Book 3 – Summer: Completed project book and display of three plaster casts of animal tracks
23. Book 4 – Fall: Completed project book and poster of a map describing different types of cover for animals (labeled)

24. Book 5 – Winter: Completed project book and poster describing animal signs that can be found in winter
25. The Wildlife Ecologist Project: Completed nature journal based on the suggested activities in the project
26. The Wildlife Manager Project: Completed nature journal based on the suggested activities in the project
27. Endangered Wildlife Project: Completed nature journal based on the suggested activities in the project
28. Woodworking for Wildlife: Completed nesting box, feeder, or an item from the project book
29. Wildlife Journal: Ages 8-12
30. Wildlife Journal: Ages 13-18

Section M04 Family and Consumer Sciences

Premium	1st	2nd	3rd	4th
	3.00	2.50	2.00	1.50

Babysitting Beginnings

31. Babysitter’s tool kit (do not include actual medications) – includes accordion book, paper bag puppet, toys, books, emergency information, first aid kit, etc. (Specify age of child for which items are to be used)

Generation Celebration, At Your Disposal, Learn and Earn or County Project

32. Project book or poster (Note poster size requirements)
33. Exhibit related to project – one item

Health

34. First Aid kit for home or car (do not include actual medication)
35. Poster on topic learned during the project year or chart showing progress toward a health-related goal (Note poster size specifications)

Section M05 Communication and Expressive Arts

Premium	1st	2nd	3rd	4th
	3.00	2.50	2.00	1.50

Expressive Arts

36. Basket Weaving

37. Bead/Button/Cone/Nut/Seed/Lentils Picture or Craft – make anything from gifts to fun decorations using household items, such as a picture frame, jewelry, pins, small wreath, birdhouse, cradle, etc.
38. Dolls
39. Drawing: One matted drawing ready for hanging
40. Dried Flowers
41. Duct Tape Item
42. Felting
43. Jewelry
44. Leather Work
45. Macrame
46. Ornaments
47. Painting – watercolor
48. Painting – Acrylic
49. Painting – Chalk
50. Sculpture
51. String or Straw Art
52. Tye-dye
53. Wreaths
54. Other

Photography

55. Level 1: Focus on Photography – (3) Photo journal pages from project book. Submit entry in photo album or 3-ring notebook.
56. Level 2: Controlling the Image – (3) Photo journal pages from project book. Submit entry in photo album or 3-ring notebook.
57. Level 3: Mastering Photography – (3) Photo journal pages from project book. Submit entry in photo album or 3-ring notebook.
58. Poster showing photography technique learned from the project (Note poster size requirements)

Scrapbooking

59. One scrapbook created by an 8-12-year-old 4-H member
60. One scrapbook created by a 13-18-year-old 4-H member
61. One scrapbook created by a community club or 4-H project club

Theatre Arts – Please specify Act 1, 2, 3, or 4

62. Puppet or puppets made in project
63. Poster showing stage design, make-up, or other part of the project (Follow guidelines for poster size)
64. Costume

Section M06 4-H Animal Science

Premium	1st	2nd	3rd	4th
	3.00	2.50	2.00	1.50

Animal Posters for Small Animals (Dog, Cat, Cavy, Rabbit, Poultry, etc.): Poster display related to a topic in member's project activity guide or reference book

- 65. 4-H Beginner Level: Ages 8 to 10
- 66. 4-H Intermediate Level: Ages 11 to 13
- 67. 4-H Advanced Level: Ages 14 and older

Animal Posters for Large Animals (Horse, Sheep, Goat, Dairy, Beef, Swine, etc.): Poster display related to a topic in member's project activity guide or reference book

- 68. 4-H Beginner Level: Ages 8 to 10
- 69. 4-H Intermediate Level: Ages 11 to 13
- 70. 4-H Advanced Level: Ages 14 and older

Embryology

- 71. Poster or three dimensional 28" x 22" display that features your project and may include photos, pictures, models, equipment, and drawings. (Note poster size requirements)

Pet Care

- 72. Poster about the natural characteristics of member's animal, its life history, or basic pet care (Note poster size requirements)
- 73. Pet first aid or grooming kit. Include at least six items and a list of the items and how they are used. Use replicas or empty boxes instead of real medicines for display purposes.

Veterinary Science

- 74. Unit I Book – From Airedales to Zebras: Exhibit a 10-day record of observations of an animal for signs of normal and abnormal health and behaviors plus a poster display related to one of the topics in the project lessons. The record should be in a suitable binder.
- 75. Unit II Book – All Systems Go: Exhibit a record of a health of the member's own animal and practices followed to keep the animal healthy, including references to signs of abnormal health or activities, and a poster display related to one of the topics in the project lessons. The record should be displayed in a binder.
- 76. Unit III Book – On The Cutting Edge: Exhibit a report in a binder and a poster display related to the member's individual study topic for the project.

Model Horse Exhibit

All exhibitors must be a member of an Indiana County 4-H Club but need not be a member of an Indiana County 4-H Horse Club or enrolled in a horse project. Exhibitors may enter any type of mass-manufactured model horse in the exhibit, including ceramic, molded, plastic, etc. No judging preference will be given to any brand name or manufacturer. All entries must be accompanied by an information card. Information cards may be hand-written or typed, but they cannot be photocopied or scanned from a book or printed from a web page. Each exhibitor must prepare their own information cards. Tack, attire, and equipment should be correct, complete, appropriate for the class entered, in-scale, and property fitted. The entire set-up, including model and props, must fit inside a 24"x36" space and should be brought on a base. Judging in all classes will be based on a combined evaluation of the model's type and condition; the fit and appropriateness of tack, equipment, and props or scene (if any); and the information card.

- 77. English Cloverbud
- 78. English Junior
- 79. English Senior
- 80. Western Cloverbud
- 81. Western Junior
- 82. Western Senior

Section M07 Science, Technology, Engineering & Math

Premium	1st	2nd	3rd	4th
	3.00	2.50	2.00	1.50

Aerospace

- 83. Unit 1: Exhibit a single stage rocket – simple tube design
- 84. Unit 1: Exhibit a single stage rocket – more advanced design
- 85. Advanced: Exhibit a basic multi-stage rocket
- 86. Advanced: Exhibit a more advanced multi-stage rocket
- 87. One bottle rocket

Computers

- 88. Unit 1: Greeting Cards – Four or more cards representing a variety of holidays and special occasions.
- 89. Unit 2: Exhibit one of the following: T-shirt, Animation, Magazine, or Special Effects Photograph (You may not exhibit the same photograph for the photography project).
- 90. Unit 3: Exhibit one of the following: Multi-media presentation, web-site, color magazine, presentation animation, or map.

Electricity

- 91. Unit 1: Simple working circuit using a light, buzzer, lamp, or other electrically powered object
- 92. Unit 2: Simple telegraph, burglar alarm, or rocket launch system

93. Unit 3: Exhibit one of the following – Electrical tool and supply kit with items labeled; Poster of floor plan(s) of your home (minimum of five rooms) showing location of service entrance panel and all switches, receptacles, and fixtures, using appropriate symbols; A switch, labeled as either single pole or three way, correctly wired.
94. Unit 4: Exhibit one of the following – Working integrated circuit; LED circuit with blinking light; alarm built using photocell or SCR intruder alarm.

Engineering

95. Level 1 Team Entry of Engineering Design Challenge machine built to the specifications of the outlined project. Along with machine, you must include your team engineering design notebook.
96. Level 2 Team Entry of Engineering Design Challenge machine built to the specifications of the outlined project. Along with machine, you must include your team engineering design notebook.
97. LEGO design (*Must not be a kit design) – must be submitted on a sturdy base.
98. Other

Robotics

99. Poster or exhibit displaying any phase of Junk Drawer Robotics Level 1 (Note poster size requirements)
100. Poster or exhibit displaying any phase of Junk Drawer Robotics Level 2 (Note poster size requirements)
101. Poster or exhibit displaying any phase of Junk Drawer Robotics Level 3 (Note poster size requirements)
102. Poster or exhibit displaying any phase of LEGO EV3 Robotics technology (Note poster size requirements)
103. Other

Small Engines

104. Unit 1: Exhibit one of the following: small engine with external parts identified; 10 tools or pictures of tools with their function; poster on shop safety (Note poster size specifications).
105. Unit 2: Exhibit one of the following: small engine with internal parts and function identified; poster on personal safety in a small engine shop; poster on engine oil viscosity and service classification (Note poster size specifications).
106. Unit 3: Exhibit one of the following: poster or display on troubleshooting an engine, how the problem was identified, and how it was fixed; Display or poster on the research done in consideration of starting a small engine business (Note poster size specifications).

Tractor

107. Poster or exhibit displaying any phase of the tractor project (Note poster size requirements)

Videography

108. Short video (up to 7 minutes), Informational
 109. Long video (more than 7 minutes), Informational
 110. Short video (up to 7 minutes), Creative
 111. Short video (more than 7 minutes), Creative
 112. Short video (up to 7 minutes), Collaborative
 113. Long video (more than 7 minutes), Collaborative
 114. Poster showing video technique learned from project (Note poster size requirements)

Woodworking

115. Accessory, large, ages 8-13
 116. Accessory, large, ages 14-18
 117. Accessory, small, ages 8-13
 118. Accessory, small, ages 14-18
 119. Furniture, large
 120. Furniture, small
 121. Projects without finish
 122. Wood burning/stenciling
 123. Wood carving and whittling
 124. Other

Section M08 Miscellaneous

Premium	1st	2nd	3rd	4th
	2.50	2.00	1.50	1.00

Cloverbud Opportunities (For 4-H Members ages 5-7 years old)

125. Cloverbud Arts/Craft Item
 126. Cloverbud Citizenship Item
 127. Cloverbud STEM Item
 128. Cloverbud Plant Science Item
 129. Cloverbud Animal Science Item
 130. Exploring the Treasures of 4-H
 131. Acres of Adventure
 132. Summer Day Camp Item
 133. Cloverbud Club Group Project
 134. Other Healthy Lifestyle/Cloverbud Education Project **Day Camp Poster (For 4-H Members ages 8-18 years old)**

135. Poster related to a topic from day camp (Note poster size requirements)