

Science and Technology

Department 10 4-H and Vocational

4-H and Vocational

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 is 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's 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 levels. 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
 - e) Caring - promoting the well being 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
 - f) 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 Science and Technology

- 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)

Superintendent	Telephone
Susan Belford	724-254-2239
Jeanene Stewart	724-254-4649

	1st \$3.00	2nd \$2.50	3rd \$2.00	4th \$1.50
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D = Department		S = Section		C = Class
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D	S	C	Description
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10	M29	79	Basic Energy Program Units 1 – Exhibit an item made in this project or a 4-H project story.
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10	M29	81	Basic Energy Program Units 2 – Exhibit an item made in this project or a 4-H project story.
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Energy			
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10	M31	83	Magic of Electricity – (Level 1) - A poster or educational display about what you did in the project book. Or A 4-H project story.
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10	M31	85	Investigating Electricity – (Level 2) - A poster or educational display about what you did in the project book. Or A 4-H project story.
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10	M31	87	Wired for Power – (Level 3) - A poster or educational display about what you did in the project book. Or A 4-H project story.
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10	M31	89	Entering Electronics = (Level 4) - A poster or educational display about what you did in the project book. Or A 4-H project story.
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Rocketry			
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10	M33	91	Rockets Away! - Display (1) rocket and a poster illustrating something you learned in this project. A 4-H project story.
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10	M33	93	Rocketry - Display (1) single stage rocket and a poster illustrating something you learned in this project. A 4-H project story
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Small Engines			
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10	M35	95	Crank It Up – (Level 1) - A 4-H project story.
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10	M35	97	Warm It Up – (Level 2) - A 4-H project story.
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10	M35	99	Tune It Up – (Level 3) - A 4-H project story.
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Woodworking			
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10	M37	100	Measuring Up Level 1 – Exhibit from the following list or a 4-H project story.
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10	M37	101	Coping saw puzzle
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10	M37	103	Sandpaper block
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10	M37	105	Nail pint design
10	M37	107	Letter holder
10	M37	109	Wire wiggly
10	M37	111	Stilts
10	M37	113	Rabbit puzzle
10	M37	115	Picture Frames
10	M37	117	Note holder
10	M37	119	Nest shelf for robins
10	M37	121	Horse shoe tie rack
10	M39	122	Making the Cut - Level 2 – Exhibit from the following list or a 4-H project story.
10	M39	123	4-H key holder
10	M39	125	Cutting board
10	M39	127	Shifting pyramid game
10	M39	129	Birdhouse
10	M39	131	4-H Book ends
10	M39	133	Foot stool
10	M39	135	Book rack
10	M39	137	Tool Box
10	M41	138	Nailing it Together – Level 3 – Exhibit from the following list or a 4-H project story.
10	M41	139	Sandbox
10	M41	141	Shoe shine box
10	M41	143	Medicine cabinet for barn
10	M41	145	Saw horse
10	M41	147	Garage keeper
10	M43	148	Finishing it Up – Level 4 – Exhibit from the following list or a 4-H project story.
10	M43	149	Get along little doggie
10	M43	151	Step stool/ chair

10	M43	153	Box hockey
10	M43	155	“Pecky” the door knocker
10	M43	157	Other projects as approved by the 4-H agent.
Computer Mysteries			
10	M45	159	Booting Up – Level 1 – A 4-H project Story.
10	M45	161	Adding On – Level 2 – A 4-H project Story.
10	M45	163	Reaching Beyond – Level 3 – A 4-H project Story.
Tractor			
10	M47	165	Getting Acquainted With Your Tractor, Unit 1 - Poster or educational display of some phase of this project. A 4-H project story
10	M47	167	Assuring Safe and Efficient Tractor Operation, Unit 2 - Poster or educational display of some phase of this project. A 4-H project story
Aerospace Adventures – Soaring Above and Beyond:			
10	M49	169	Pre-Flight – Level 1 – Poster or educational display about what you did in the project book. Or a 4-H project story.
10	M49	171	Lift Off – Level 2 – Poster or educational display about what you did in the project book. Or a 4-H project story
10	M49	173	Reaching New Heights – Level 3 – Poster or educational display about what you did in the project book. Or a 4-H project story
10	M49	175	Pilot In Command – Poster or educational display about what you did in the project book. Or a 4-H project story
Fire Safety			
10	M51	177	A Basic Guide Book – A 4-H project story
10	M51	179	Preventing Fires - A poster or educational display showing how to prevent and treat one of these burns: thermal, chemical, or electrical or a 4-H project story.
10	M51	181	Fire Protection in Your Community – A poster or educational display on forest fire prevention. Or a 4-H project story.
Bicycle			
10	M53	183	Bicycle Adventures – Level 1 – A poster or educational display about an activity you completed in the activity book this year. Or a 4-H project story.

10	M53	185	Bicycle Adventures – Level 2 – A poster or educational display about an activity you completed in the activity book this year. Or a 4-H project story.
10	M53	187	Bicycle Adventures – Level 3 – A poster or educational display about an activity you completed in the activity book this year. Or a 4-H project story.