

4-H AND FFA EDUCATIONAL EXHIBITS

1. Each article must have been made or grown by a 4-H or FFA member within the current year.
2. Each article should be part of the specific project(s) in which the member is enrolled within the current year.
3. Exhibitors can only enter one item in each class.
4. Reasonable care will be taken to protect all exhibits on display from all injury and damage. The fair is not responsible for accidents, loss or damage by water, fire, theft or otherwise, whatever may be the cause or extent of the damage or loss.

Section 23.1 - FFA Apiary

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<u>CLASS</u>	\$2	\$1.50	\$1.25	\$1
01. Light Comb, 3 sections				
02. Dark Comb, 3 sections				
03. Light Extracted Honey, 1 pint jar				

04. Dark Extracted Honey, 1 pint jar

05. Bees Wax, 1 three-lb. jar

06. Apiary Poster - 14x22" poster displaying at least one project topic

Section 24.1 - Conservation

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<u>CLASS</u>	\$2	\$1.50	\$1.25	\$1
<u>WATER CONSERVATION</u>				
14x22" poster or display on activity completed.				
01. Beginner (ages 8-10)				
02. Intermediate (ages 11-14)				
03. Senior (ages 15 and over)				

Section 26.1 - Engineering

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<u>CLASS</u>	\$2	\$1.50	\$1.25	\$1
<u>ELECTRIC</u>				
01. Electric 1 - Simple working circuit using a light, buzzer, lamp, or other electrically powered object.				
02. Electric 2 - Simple telegraph, burglar alarm, or rocket launch system.				
03. Electric 3 - Electrical tool and supply kit with items labeled.				
04. Electric 3 - Poster of floor plan(s) of your home showing location of the service entrance panel and all switches, receptacles, and fixtures using appropriate symbols.				
05. Electric 3 - A switch, labeled as either single pole or three-way, correctly wired.				
06. Electric 4 - Working integrated circuit.				
07. Electric 4 - LED circuit with blinking light.				
08. Electric 4 - Alarm built using photocell or SCR intruder alarm.				

WELDING

09. Arc Welding Sample
10. Oxy-acetylene Welding (under 7 inches)
11. Oxy-acetylene Welding (7 to 12 inches)
12. Oxy-acetylene Welding (over 12 inches)
13. Mig/Tig Welding Sample (under 7 inches)
14. Mig/Tig Welding Sample (7 to 12 inches)
15. Mig/Tig Welding Sample (over 12 inches)
16. Welding Safety Poster - 14x22" poster on any safety topic related to welding.

ROCKETRY

Exhibit single stage rocket from kit, simple tube design, and poster of project topic learned.

17. Beginner (ages 8-10)

18. Intermediate (ages 11-14)

19. Senior (ages 15 and over)

ROCKETRY

Exhibit single stage rocket from kit, advanced design, and poster of project topic learned.

20. Beginner (ages 8-10)

21. Intermediate (ages 11-14)

22. Senior (ages 15 and over)

ROCKETRY

Exhibit multi-stage rocket from kit and poster of topic learned.

23. Beginner (ages 8-10)

24. Intermediate (ages 11-14)

25. Senior (ages 15 and over)

ROCKETRY

Exhibit 2-liter bottle rocket and poster on project topic learned.

26. Beginner (ages 8-10)

27. Intermediate (ages 11-14)

28. Senior (ages 15 and over)

SMALL ENGINES

External or Internal Parts - Display or poster of a small (max. 18 hp) engine identifying name and function of parts. (Beg: 10 parts, Int: 20 parts, Adv: 30 parts)

29. Beginner (ages 8-10)

30. Intermediate (ages 11-14)

31. Senior (ages 15 and over)

SMALL ENGINES

Tools - Display with tools attached or 14x22" poster with pictures of properly identified tools and describe their functions (Beg: 10 tools, Int: 15 tools, Adv. 20 tools).

32. Beginner (ages 8-10)

33. Intermediate (ages 11-14)

34. Senior (ages 15 and over)

SMALL ENGINES

Personal or Shop Safety - Display or poster focusing on personal or shop safety in a small engine shop (Beg: Identification and basic PPE, Int: Safe operational procedures, routine engine preparation, and basic tool safety, Adv: Risk management, hazard analysis, and advanced diagnostic safety)

35. Beginner (ages 8-10)

36. Intermediate (ages 11-14)

37. Senior (ages 15 and over)

FFA LAWN AND GARDEN EQUIPMENT

38. Repair and exhibit a piece of lawn and garden equipment. Include a 14x22" poster with photos of you completing your project.

Section 27.1 - Entomology

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<u>CLASS</u>	\$2	\$1.50	\$1.25	\$1

01. Year 1 - Display a minimum of 25 different insects representing 5 insect orders.

02. Year 2 - Display a minimum of 50 different insects representing 7 insect orders.

03. Year 3 - Display a minimum of 70 different insects representing 9 insect orders.

04. Year 4 - Display a minimum of 90 different insects representing 10 insect orders.

05. Special Collection (Year 3 and Year 4 only) - Unique collection of a specific insect group. The collection must be labeled to identify the unique insect type (i.e. aquatic or nocturnal insects).

Section 28.1 - Veterinary Science

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<u>CLASS</u>	\$2	\$1.50	\$1.25	\$1

01. Unit 1 - The Normal Animal - Exhibit a ten day record of animal observations or signs of normal and abnormal health and behaviors and a poster related to one of the topics in the project lessons. Record should be displayed in a suitable binder.

02. Unit 2 - Animal Disease - Exhibit a record in a binder of the health of the member's own animal. Include practices followed to keep the animal healthy and signs of abnormal health or activities. Also exhibit a poster related to one of the topics in the project lessons.

03. Unit 3 - Animal Health and its Relationship to Our World - Exhibit report in a binder. Also exhibit a poster related to the member's individual study topic for the project.

Section 29.1 - Animal Science

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<u>CLASS</u>	\$2	\$1.50	\$1.25	\$1

01. EMBRYOLOGY - 14x22" poster which includes temperature and humidity change with hatch rate, drawings of developing embryo and any other pictures.

PET CARE - FIRST AID or GROOMING KIT

Includes at least 6 items and a list of items and how they are used. Use replicas or empty boxes instead of real medicine for display purposes.

02. Beginner (ages 8-10)

03. Intermediate (ages 11-14)

04. Senior (ages 15 and over)

PET CARE - POSTER

14x22" poster displaying the natural characteristics of member's animal, its life history, and/or basic pet care.

05. Beginner (ages 8-10)

06. Intermediate (ages 11-14)

07. Senior (ages 15 and over)

CAT

14x22" poster displaying at least one project topic.

08. Beginner (ages 8-10)

09. Intermediate (ages 11-14)

10. Senior (ages 15 and over)

DOG

14x22" poster displaying at least one project topic.

11. Beginner (ages 8-10)

12. Intermediate (ages 11-14)

13. Senior (ages 15 and over)

LEARNING ABOUT HORSES

14x22" poster on caring for horses or horse information.

14. Beginner (ages 8-10)

15. Intermediate (ages 11-14)

16. Senior (ages 15 and over)

LIVESTOCK/ANIMAL HEALTH & ANATOMY (4-H Only)

14x22" poster on topic below educating about a species the member raises or studies in their animal project:

- Digestive System
- Skeletal
- Reproduction
- Diseases
- Parasites

- 17. Beginner (ages 8-10)
- 18. Intermediate (ages 11-14)
- 19. Senior (ages 15 and over)

LIVESTOCK/ANIMAL BY-PRODUCTS (4-H Only)

14x22" poster on topic below educating about a species the member raises or studies in their animal project:

- Meat Cuts
- One or more by-products from a specific livestock species

- 20. Beginner (ages 8-10)
- 21. Intermediate (ages 11-14)
- 22. Senior (ages 15 and over)

LIVESTOCK OTHER (4-H Only)

14x22" poster educating about a topic in the species the member raises or studies in their animal project.

- 23. Beginner (ages 8-10)
- 24. Intermediate (ages 11-14)
- 25. Senior (ages 15 and over)

SHEEP WOOL

Sheep project members only. Fleece must be properly tied with paper twine or displayed in clear plastic bag.

- 26. Fine Wool Fleece
- 27. Medium Wool Fleece
- 28. Natural Colored Wool Fleece

ALPACA WOOL

Fleece must be exhibited in clear plastic bag.

- 29. White Fleece
- 30. Beige/Fawn Fleece
- 31. Brown Fleece
- 32. Black Fleece

POULTRY

14x22" poster with photo of poultry and project topic.

- 33. Beginner (ages 8-10)
- 34. Intermediate (ages 11-14)
- 35. Senior (ages 15 and over)

MODEL HORSES

- 36. 1st year project
- 37. 2nd year project. Include a card with 3 horse colors
- 38. 3rd year project. Include a card listing 3 breeds of horses
- 39. 4th year project. Include a picture of a western saddle
- 40. 5th year project. Include a picture of an English saddle
- 41. 6th year project. Include a card listing 5 items in a tack box
- 42. 7th year project. Include a picture of a horse identifying 5 parts of the animal.
- 43. 8th year project. Include a card listing the gaits of a horse
- 44. 9th year project. Include an essay on helmet safety
- 45. 10th year project. Include an essay on a horse breed
- 46. Senior project. Include a written description of project and breed description of model horse used.

Section 30.1 - Wildlife

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<u>CLASS</u>	\$2	\$1.50	\$1.25	\$1

UNIT 1 - WILDLIFE IS ALL AROUND US

14x22" poster on the habitat, food and cover needs

- 01. Herbivore
- 02. Carnivore
- 03. Omnivore

UNIT 2 - WILDLIFE IS ALL AROUND US

- 04. Spring - Homemade Birdhouse

UNIT 3 - WILDLIFE IS ALL AROUND US

- 05. Summer - Create a display of 3 plaster casts of animal tracks.

UNIT 4 - WILDLIFE IS ALL AROUND US

- 06. Fall - Make a 14x22" map of an area around your home.
Show types of wildlife cover as they appear in that area.
Build one additional wildlife cover and show it on the map.
(e.g. brush pile, birdhouse, plant a tree.)

UNIT 5 - WILDLIFE IS ALL AROUND US

- 07. Winter - Pine Cone Feeder
- 08. Winter - Jug Feeder
- 09. WILDLIFE ECOLOGIST - Nature journal of project activities
- 10. WILDLIFE MANAGER - Nature journal of project activities

Section 31.1 - Health and Fitness

<u>CLASS</u>	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
	\$2	\$1.50	\$1.25	\$1

ORIENTEERING

01. Beginners - 14x22" exhibit of orienteering score cards with a picture of member.
02. Advanced - 14x22" exhibit of a map of an orienteering course and the use of a compass or how to make one.

ARCHERY

- 14x22" poster on any phase of safety presented in project.
03. Beginner (ages 8-10)
 04. Intermediate (ages 11-14)
 05. Senior (ages 15 and over)

14x22" poster on use and purpose of archery instruments.

06. Beginner (ages 8-10)
07. Intermediate (ages 11-14)
08. Senior (ages 15 and over)

RIFLERY

14x22" poster on any phase of safety presented in project.

09. Beginner (ages 8-10)
10. Intermediate (ages 11-14)
11. Senior (ages 15 and over)

14x22" poster on use and purpose of riflery instruments.

12. Beginner (ages 8-10)
13. Intermediate (ages 11-14)
14. Senior (ages 15 and over)

AIR RIFLE

14x22" poster on any phase of safety presented in project.

15. Beginner (ages 8-10)
16. Intermediate (ages 11-14)
17. Senior (ages 15 and over)

14x22" poster on use and purpose of air rifle instruments.

18. Beginner (ages 8-10)
19. Intermediate (ages 11-14)
20. Senior (ages 15 and over)

AIR PISTOL

14x22" poster on any phase of safety presented in project.

21. Beginner (ages 8-10)
22. Intermediate (ages 11-14)
23. Senior (ages 15 and over)

14x22" poster on use and purpose of air pistol instruments.

24. Beginner (ages 8-10)
25. Intermediate (ages 11-14)
26. Senior (ages 15 and over)

SHOTGUN

Option 1 - 14X22" poster showing a component of the sport of shotgun and details of what you learned.

27. Beginner (ages 8-10)
28. Intermediate (ages 11-14)
29. Senior (ages 15 and over)

Option 2 - 14x22" poster showing a shotgun game of your choice and what you have learned this year. Include rules, strategies, and other useful information.

30. Beginner (ages 8-10)
31. Intermediate (ages 11-14)
32. Senior (ages 15 and over)

Option 3 - 14x22" poster highlighting the three shotgun games of trap, skeet, and sporting clays. Include photos of each sport.

33. Beginner (ages 8-10)
34. Intermediate (ages 11-14)
35. Senior (ages 15 and over)

Option 4 - 3-D item you have made as part of your project that showcases a new topic you learned about this year.

36. Beginner (ages 8-10)
37. Intermediate (ages 11-14)
38. Senior (ages 15 and over)

Option 5 - Shooting journal of your shooting throughout the year with weather conditions, score, lesson learned, something to work on, goals for future, and other important information.

39. Beginner (ages 8-10)
40. Intermediate (ages 11-14)
41. Senior (ages 15 and over)

SPORT FISHING

42. 14x22" poster showing a topic you chose and have learned about this year.

43. 14x22" poster with 4 species of Pennsylvania fish labeled and described. Include one photo of you and a fish you caught.

44. 3-D item you have made as part of your project that showcases a new topic you learned about this year.

HIKING TRAILS

14X22" poster featuring on of the lessons from the book and showing what you did and learned.

45. Beginner (ages 8-10)
46. Intermediate (ages 11-14)
47. Senior (ages 15 and over)

