

# 4-H AND FFA EDUCATIONAL EXHIBITS

1. Enter online at [entries.huntingdoncountyfair.com](http://entries.huntingdoncountyfair.com) or send completed General Entry Form to the Fair Office by July 1.
2. Entries must be entered on Saturday, August 3, from 9-5 p.m. in Johnson Hall and removed Saturday, August 10, from 9-noon.
3. Each article must have been made or grown by a 4-H or FFA member within the current year.
4. Each article should be part of the specific project(s) in which the member is enrolled within the current year.
5. Exhibitors can only enter one item in each class.
6. 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)

### ROCKETRY

- Exhibit single stage rocket from kit, simple tube design, and poster of project topic learned.  
 16. Beginner (ages 8-10)  
 17. Intermediate (ages 11-14)  
 18. Senior (ages 15 and over)

### ROCKETRY

- Exhibit single stage rocket from kit, advanced design, and poster of project topic learned.  
 19. Beginner (ages 8-10)  
 20. Intermediate (ages 11-14)  
 21. Senior (ages 15 and over)

### ROCKETRY

- Exhibit multi-stage rocket from kit, and poster of project topic learned.  
 22. Beginner (ages 8-10)  
 23. Intermediate (ages 11-14)  
 24. Senior (ages 15 and over)

### ROCKETRY

- Exhibit 2-liter bottle rocket and poster on project topic learned.  
 25. Beginner (ages 8-10)  
 26. Intermediate (ages 11-14)  
 27. Senior (ages 15 and over)

### SMALL ENGINES LEVEL 1

28. External Parts - Display a small (max. 18 hp) engine identifying name and function of parts.  
 29. Tools - Display 10 tools or pictures of 10 tools and describe their functions. Fasten tools securely to a display board.  
 30. Shop Safety - Display a poster on engine oil viscosity and service classification.

SMALL ENGINES LEVEL 2

- 31. Internal Parts - Display a small (max. 18 hp) engine identifying name and function of parts.
- 32. Personal Safety - Display or poster focusing on personal safety in a small engine shop.
- 33. Engine Oil - Display or poster on engine oil viscosity and service classification.

SMALL ENGINES LEVEL 3

- 34. Troubleshooting - Poster or display on troubleshooting an engine; how the problem was identified, or how it was fixed.
- 35. Starting a Business - Display or poster on the research done in consideration of starting a small engine business.

FFA LAWN AND GARDEN EQUIPMENT

- 36. 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

<u>CLASS</u>	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
	\$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.				
<b>PET CARE - FIRST AID or GROOMING KIT</b>				
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)				
<b>PET CARE - POSTER</b>				
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)				
<b>CAT</b>				
14x22" poster displaying at least one project topic.				
08. Beginner (ages 8-10)				
09. Intermediate (ages 11-14)				
10. Senior (ages 15 and over)				
<b>DOG</b>				
14x22" poster displaying at least one project topic.				
11. Beginner (ages 8-10)				
12. Intermediate (ages 11-14)				
13. Senior (ages 15 and over)				
<b>LEARNING ABOUT HORSES</b>				
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)				
<b>LIVESTOCK/ANIMAL DISEASES (4-H Only)</b>				
14x22" poster educating about a disease that can attack the species the member raises or studies in their animal project.				
17. Beginner (ages 8-10)				
18. Intermediate (ages 11-14)				
19. Senior (ages 15 and over)				

**LIVESTOCK/ANIMAL PARASITES (4-H Only)**  
14x22" poster educating about a parasite that can attack the species the member raises or studies in their animal project.

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

**ANIMAL BREED CHARACTERISTICS (4-H Only)**  
14x22" poster educating about a breed 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>
<b>CLASS</b>	\$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**

	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
<b>CLASS</b>	\$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)

### **SPORT FISHING**

27. 14x22" poster showing a topic you chose and have learned about this year.

28. 14x22" poster with 4 species of Pennsylvania fish labeled and described. Include one photo of you and a fish you caught.

29. 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.

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

