

Environment & Natural Resources

Director..... Sid Parks

Plaques donated by:

- Best Outdoor Activities Exhibit – Danvers Lions Club
Best Natural Resources Exhibit – McLean County Pheasants Forever
Best Forestry Exhibit – McLean County S.W.C.D.
Best Entomology Exhibit – In Memory of Elvert & Leota Meyer
Best Geology Exhibit – Land Engineers, LLC
Best Shooting Sports Exhibit – Phil and LeAnn Korty

Premiums: Classes 2401-2560 A-\$4 B-\$3 C-\$2

Section DA – Outdoor Activities (4H20/10)

Check-in 5-8 p.m. on Tuesday, August 2, in Cloverleaf Hall
Judged at 9 a.m. on Wednesday, August 3 in Cloverleaf Hall
Member will be present for judging.

Superintendent..... Blake Mowery

Rules:

- A. See the Rules & Regulations section (pages 11) for general requirements for Entries and Exhibits. Failure to meet requirements will result in lowering of placing by one grade.
B. Exhibit should help teach others about the project. The poster or display should be colorful, neat, and reflect your knowledge of the project based on your age.
C. Unless otherwise noted in class description, exhibit can be from the associated 4-H project manual or other reference. If not from a 4-H manual, be prepared to show references during conference judging. Be able to explain the importance and concept behind the project exhibit.
D. Exhibit will use no perishable foods, over the counter medicines, or live animals. For safety reasons, remove all hooks from fishing lures or place them in a sealed plastic case.

- 2401. Outdoor Adventures 1: Hiking Trails*
2402. Outdoor Adventures 2: Camping Adventures*
2403. Outdoor Adventures 3: Backpacking Expeditions*
2404. Sportfishing 1: Take the Bait*
2405. Sportfishing 2: Reel in the Fun*
2406. Sport Fishing 3: Cast into the Future*

Section DB — Natural Resources (4H20/10)

Check-in 5-8 p.m. on Tuesday, August 2, in Cloverleaf Hall

Judged at 9 a.m. on Wednesday, August 3, in Cloverleaf Hall

Member will be present for judging.

Superintendent..... Blake Mowery

Rules:

- A. **See the Rules & Regulations section (pages 11) for general requirements for Entries and Exhibits. Failure to meet requirements will result in lowering of placing by one grade.**
- B. Exhibit should help teach others about the project. The poster or display should be colorful, neat, and reflect your knowledge of the project based on your age.
- C. Unless otherwise noted in class description, exhibit can be from the associated 4-H project manual or other reference. If not from a 4-H manual, be prepared to show references during conference judging. Be able to explain the importance and concept behind the project exhibit. Only exhibits from the project manual will be eligible for State Fair.
- D. Exhibit will use no perishable foods, over the counter medicines, or live animals.

Natural Resources

2407. **Exploring Your Environment 1: Ecosystem Services*** – Include your project manual that documents activity record keeping, your answers to activity questions, and details of the exhibitor's thoughts and ideas.
2408. **Exploring Your Environment 2: Earth's Capacity*** – Include your project manual that documents activity record keeping, your answers to activity questions, and details of the exhibitor's thoughts and ideas.
2409. **Natural Resources 1: Step Into Nature***
2410. **Natural Resources 2: Explore the Natural World***
2411. **Natural Resources 3: Blaze the Trail***
2412. **Wildlife – Level 1***
2413. **Wildlife – Level 2***
2414. **Earth Treks: Soil Conservation**
2415. **Prairie Plants of Illinois**

* Indicates projects that may be State Fair eligible.

2416. **Natural Resources/Sportsfishing/Wildlife Innovation Class***: (Open to youth who were at least 13 years of age on September 1, 2015 and are enrolled in any Natural Resource, Sportsfishing or Wildlife Project. Demonstrate the skills and knowledge you have gained through the project you have studied. This could be related to, but not limited to habitat construction, maintenance, water quality, fish biology, or involvement with citizen science efforts. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Section DC — Geology (4H20/10)

Check-in 5-8 p.m. on Tuesday, August 2, in Cloverleaf Hall
 Judged at 9 a.m. on Wednesday, August 3 in Cloverleaf Hall
Member will be present for judging.

Superintendent..... Terry Carrigan

Rules:

- A. See the Rules & Regulations section (pages 11-12) for general requirements for Entries and Exhibits. Failure to meet requirements will result in lowering of placing by one grade.
 - B. Exhibitors may exhibit Class 2421, 2422 & 2423 for a **maximum of two years each**.
 - C. The size and number of exhibit cases should relate appropriately to the number of specimens displayed for a specific class.
 - D. Exhibitor must attach the appropriate project manual for the class exhibited to one of the cases with at least one completed activity for each year enrolled.
 - E. Label collection and note where found. Please see project books for suggestions as to labeling exhibit materials.
2421. **Pebble Pups – Division 1***: Display 8 to 19 rock and mineral specimens including at least three specimens from each of the three classes of rocks (igneous, sedimentary, and metamorphic). Collections may include duplicates that show variation.
2422. **Pebble Pups – Division 2***: Display 20 to 29 rock and mineral specimens with a minimum of seven minerals in the collection that exhibit at least seven different points of hardness. Collection may include duplications that show variations.
2423. **Rock Hounds – Division 1***: Display 30 to 40 rock and mineral specimens with a minimum of ten minerals in the collection. Rocks should include at least three igneous, two metamorphic, and three sedimentary groups.

2424. **Rock Hounds – Division 2***: Display up to 50 rock and mineral specimens that have been selected to illustrate a specific theme of the exhibitor's choosing. Be creative. Sample categories should include, but not limited to: industrial minerals and their uses; a specific rock group and the variety that occurs in that group, including some minerals that occur in the environment; select fossils traced through the geologic ages; minerals and their crystal habits; rocks and minerals used in the lapidary arts. **Must show advancement each year of participation.**
2425. **Geology Innovation Class***: Open to youth who were at least 13 years of age on September 1, 2015 and are enrolled in Geology. Demonstrate the skills and knowledge you have gained through the Geology project. Exhibit may be the result of knowledge gained from project manuals; independent study about Illinois rock(s) and mineral(s), interaction with geology professionals; and/or individual exploration in the area of geology. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. Your exhibit should not fit in the other exhibit options for this project. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Section DD — Entomology (4H20/10)

Check-in 5-8 p.m. on Tuesday, August 2, in Cloverleaf Hall

Judged at 9 a.m. on Wednesday, August 3, in Cloverleaf Hall

Member will be present for judging.

Superintendent..... Terry Carrigan

Rules:

- A. **See the Rules & Regulations section (pages 11-12) for general requirements for Entries & Exhibits. Failure to meet requirements will result in lowering of placing by one grade.**
 - B. The size and number of exhibit cases should relate appropriately to the number of insects displayed for a specific class.
 - C. Cases are to be no deeper than 4". Note – exhibits MAY be placed upright for display.
 - D. Exhibitor must accurately label the collection.
 - E. Exhibitor must attach the appropriate project manual for the class exhibited to one of the cases with at least one completed activity for each year enrolled.
2431. **Entomology 1: Creepy Crawlies (1st year)*** – Exhibit 15 or more species representing four or more orders.
2432. **Entomology 2: What's Bugging You (2nd & 3rd year)*** – Exhibit 30 or more species representing eight or more orders.
2433. **Entomology 3: Dragons, Houses and Other Flies (4th year & up)*** – Exhibit 60 or more species representing twelve or more orders.

* Indicates projects that may be State Fair eligible.

2434. **Beekeeping, Clear Honey***: Exhibit three, 1 lb. jars.
2435. **Beekeeping, Comb Honey***: Exhibit frame of comb honey, (approximately 12 oz.).
2436. **Entomology Display, Other***: (Open to youth enrolled in Entomology 1, Entomology 2 or Entomology 3) Exhibit any activity or display related to Entomology that does not fit into Entomology Classes 1, 2 or 3 above. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

Section DE — Forestry (4H20/10)

Check-in 5-8 p.m. on Tuesday, August 2, in Cloverleaf Hall

Judged at 9 a.m., Wednesday, August 3, in Cloverleaf Hall

Member will be present for judging.

Superintendent..... Jackie Kraft

Rules:

- A. **See the Rules & Regulations section (pages 11) for general requirements for Entries & Exhibits. Failure to meet requirements will result in lowering of placing by one grade.**
- B. Exhibit any product or display illustrating an activity from the book. The exhibit may include, but isn't limited to, original works, objects, demonstrations, digital presentations, programs, websites, games, apps, performances, or posters which you have made. Choose whatever method best shows what you've learned. You must furnish any equipment you need for your exhibit. Internet service will not be provided for the exhibit. All exhibits must include something visual, such as a printed copy of a digital presentation, which will remain on display during the exhibition. Electronic equipment will only be used during your personal judging time and will not remain on display during the entire exhibit period.

2441. **Forests of Fun 1: Follow the Path***

2442. **Forests of Fun 2: Reach for the Canopy***

2443. **Forests of Fun 3: Explore the Deep Woods***

Section DF — Shooting Sports(4H20/I0)

Check-in 5-8 p.m. on Tuesday, August 2, in Cloverleaf Hall
 Judged at 9 a.m. on Wednesday, August 3, in Cloverleaf Hall

Member will be present for judging.

Superintendent.....Phil Korty

Assistant Superintendent.....Paul Phillips

Shooting Sports Poster

Rules:

- A. **See the Rules & Regulations section (pages 11) for general requirements for Entries and Exhibits. Failure to meet requirements will result in lowering of placing by one grade.**
 - B. No live ammunition, actual firearms or parts of firearm that could be reassembled should be included. Any manufactured part of a sporting arm may not be displayed.
 - C. No human silhouette targets should be displayed.
 - D. Poster must be based on an activity or lesson from the associated *Shooting Sports Member Record Book*. The Show Director for Environment and Natural Resources must approve exceptions prior to check-in.
 - E. In order to exhibit at the fair, each exhibitor must attend at least one county level workshop in the appropriate discipline.
 - F. All exhibits should be posters only (no displays). Exhibits deemed to be inappropriate will not be allowed to show at the fair.
 - G. Exhibitors may enter one poster in each Shooting Sports Exhibit class.
2451. **Air Rifle Exhibit:** Refer to the *4-H Rifle Member Record Book* for exhibit ideas.
2452. **Archery Exhibit:** Refer to the *4-H Archery Member Record Book* for exhibit ideas.
2453. **Shotgun Exhibit:** Refer to the *4-H Shotgun Member Record Book* for exhibit ideas.
 Member must be at least 12 years old to exhibit in this class.

* Indicates projects that may be State Fair eligible.

Shooting Sports Match

Rules:

- A. **See the Rules & Regulations section (pages 11) for general requirements for Entries and Exhibits. Failure to meet requirements will result in lowering of placing by one grade.**
- B. In order to participate in a Shooting Sports Match, each exhibitor must attend at least two county level workshops in the appropriate discipline. EXCEPTIONS—To participate in the shotgun match, participants must successfully complete both Level 1 *and* Level 2 workshops. Participants must have completed at least one Level 2 workshop within the current 4-H year. To participate in the Advanced Air Rifle match participants must have completed (two) six week sessions.
- C. Shooting Sports Match follows the State 4-H Shooting Sports Rule Books.
- D. Participants may compete in multiple classes within the Shooting Sports category.
- E. A, B, and C ratings will be determined at the time of the competition based on conditions and the overall scores in each class. Place ribbons will be awarded in lieu of Best of Class and Reserve Best of Class ribbons. The number of place ribbons awarded will be based on the number of participants in each class.
- F. Match dates, times, and locations are subject to change. The McLean County Extension office will notify registered participants of any change.

Air Rifle Match – The Air Rifle Match will be held from 8 a.m.-5 p.m. on Saturday, July 9 at Central Illinois Precision Shooting. Each exhibitor will register online for a two hour time slot to shoot at: <http://web.extension.illinois.edu/lmw/register/>. The time slots will be 8 a.m., 10 a.m., noon, 2 p.m. and 4 p.m.

2454. **Air Rifle Match 1, Ages 10-14**

2455. **Air Rifle Match 2, Ages 15-18**

2456. **Advanced Air Rifle, All Ages** (must have completed two sets of six week 4-H Air Rifle Trainings to participate).

Archery Match – The Archery Match will held at 10 a.m. on Saturday, July 9 at Darnall's Gunworks and Ranges.

2457. **Archery Match 1, Ages 8-14:** Participants may use equipment provided by 4-H or their own compound bow as long as the bow does not have sights or counterweights.

2458. **Archery Match 2, Ages 15-18:** Participants may use equipment provided by 4-H or their own compound bow as long as the bow does not have sights or counterweights.

2459. **Archery Match-Participant's Equipment:** Participant's equipment may include sights and counterweights.

Shotgun Match – The Shotgun Match will be held on Saturday, July 9 at Darnall's Gunworks and Ranges. The first class will begin at 9 a.m.

2460. **Shotgun Match 1, Ages 12-14:** Participants must successfully complete both Level 1 *and* Level 2 workshops in order to compete in this class.

2461. **Shotgun Match 2, Ages 15-18:** Participants must successfully complete both Level 1 *and* Level 2 workshops in order to compete in this class.