

7. Firearms: Side hammer or in-line percussion cap rifles or smooth bore shoulder arms that load from the muzzle may be used. Ignition must be by the old type percussion cap, which fits over the nipple, or 209. Primers may be used for ignition. Flintlocks will be allowed.
8. Sights: Any metallic sight combination (iron sights) open and/ or peep may be used. No telescopic sights.
9. Optical Equipment: Spotting scopes will be allowed. Handheld binoculars might be placed on the bench as an aid in viewing targets.

The Match Director reserves the right to alter the event as weather, terrain or enrollment dictates.

**Lots:**

- 1) Intermediate (age 12 - 14)
- 2) Senior (age 15 - 19)

**CLASS I. Wildlife Ecology Knowledge Challenge**

Conservation and natural resources are important components of the Shooting Sports Program. Topics may include: species identification, conservation terms, Wisconsin wildlife trivia and more.

The test will be given **May 17** and **June 28** during the Fair shoots at the Stoughton Conservation Club.

In lieu of a trophy, Class I champions will receive a framed certificate and 1-year subscription to the Wisconsin National Resources magazine, sponsored by the Dane County Shooting Sports Committee.

**Lots:**

- 1) Junior (ages 3rd grade - 11) - 15 questions
- 2) Intermediate (ages 12 - 14) - 20 questions
- 3) Senior (ages 15 - 19) - 25 questions

**NATURAL SCIENCES PROJECTS**  
**Classes J - O**

**Check-In**

Tuesday, 4 - 7 p.m., Exhibition Hall

**Judging**

Tuesday, 4 - 7 p.m. Individual Conference Judging, Exhibition Hall

**Department Chairperson**

Colleen Rohde-Szudy - (608) 669-4482

**Eligible 4-H Project Areas**

Natural Sciences (all areas)

**CLASS J. Shooting Sports Exhibit**

**Regulations**

1. **All sharp points** must be covered or blunted.
2. **Live ammo, actual guns or bows are prohibited.**
3. Exhibitor may choose own format: poster, display board, scrapbook, models, drawings, photographs or any other creative format.
4. Posters/foam boards must not be larger than the standard size (22"x28"). Tri-fold display boards may be used.
5. Collection of plant specimens in short supply, state and federal protected flowers, endangered species of any kind, bird nests, or feathers are not allowed. Any exhibit of this type will be disqualified.

**Lots:**

- 1) Any handmade shooting sports accessory.
- 2) Display showing safe handling, transporting or storage of gun or bow and equipment.
- 3) Pictures or drawings of at least 4 types of guns or bows (include name, action design and other information to help identify the type of gun or bow).
- 4) Identify parts of a gun or bow with a key to the purpose of each part
- 5) Display related to game laws or hunting ethics.
- 6) Story and pictures of a hunting or fishing experience or conservation project you were involved in. **Must be presented in a scrapbook format**
- 7) Exhibit on wild game cooking
- 8) Other exhibit relating to shooting sports or hunting.

**CLASS K. Exploring Your Environment**

**Regulations**

1. Collection of plant specimens in short supply, state and federal protected flowers, endangered species of any kind, bird nests, or feathers are not allowed. Any exhibit of this type will be disqualified. The study or exhibit preparation should never be an interruption to the balance of nature.
2. Exhibits can include collections, posters, models, scrapbooks, or other creative format.
3. Posters/foam boards must not be larger than the standard size (22"x28"). Tri-fold display boards may be used.

**Lots:**

- 1) Astronomy exhibit
- 2) Entomology exhibit (if insect collection, include where collected and common name)
- 3) Geology exhibit (if rock and mineral collection, include where collected and common name)
- 4) Wildlife exhibit of mammals, birds, reptiles or amphibians
- 5) Habitat or habitat improvements
- 6) Bird, bat or wood duck house - No kits. Write on an index card where you would mount the house for best results.
- 7) Display on invasive species in Wisconsin
- 8) Display on endangered species in Wisconsin (See Reg. 1)

- 9) Report on careers in wildlife (research or job shadow/ interview with permission to use for project).
- 10) Piece of ORIGINAL wildlife art for the home - Any media, no kits
- 11) Display of wildlife signs: tracks, nests, scat, etc. (See Reg. 1)
- 12) Camera Hunt: Minimum of 5 photos of different wildlife, non-domestic species (mammals, birds, fish, reptiles, amphibians) taken by exhibitor, mounted on poster, scrapbook or other display. Each photo is to be labeled with: when and where photo was taken, name of the species and at least one interesting fact about this species.
- 13) Wildflower exhibit
- 14) Conservation exhibit
- 15) Water exhibit (quality, pollution, conserving, etc.)
- 16) Home energy exhibit
- 17) Any other exhibit related to our environment

## **CLASS L. Forestry**

### **Regulations**

1. The study or exhibit preparation should never be an interruption of the balance of nature. Collecting hard to find plant specimens, bird nests or feathers is prohibited.
2. Exhibitor may choose their own format: poster, tri-fold display board, scrapbook, models, drawings, photographs or any other creative format.
3. Posters/foam boards must not be larger than the standard size (22"x28").

### **Lots:**

- 1) Exhibit on forest products, uses
- 2) Tree parts with description
- 3) Tree identification (example - leaf collection, pictures, using a tree key, etc.)
- 4) How trees are important to our environment
- 5) Identify diseases, disasters or insects that affect our forests
- 6) State forests exhibit
- 7) Any other original exhibit related to forestry

## **CLASS M. Recycling**

### **Regulations**

1. Exhibitor may choose own format: poster, display board, scrapbook, models, drawings, photographs or any other creative format.
2. Posters/foam boards must not be larger than the standard size (22"x28").

### **Lots:**

- 1) Recycling exhibit (example - family recycling, recycled items, repurposed article made from recycled materials)

## **CLASS N. Outdoor Adventure**

### **Regulations**

1. Exhibitor may choose their own format: poster, display board, scrapbook, models, drawings, photographs, or any other creative format.
2. Posters/foam boards must not be larger than the standard size (22"x28").

### **Lots:**

Ideas are equipment, planning an outing, safety, personal adventures

- 1) Adventures such as camping, orienteering, geocaching, etc.
- 2) Backpacking and Hiking
- 3) Bicycling
- 4) Canoeing
- 5) Winter Travel

## **CLASS O. Fishing**

### **Regulations**

1. **All sharp points** must be covered or blunted.
2. Exhibitor may choose their own format: poster, display board, scrapbook, models, drawings, photographs, or any other creative format.
3. Posters/foam boards must not be larger than the standard size (22"x28").

### **Lots:**

- 1) Common fish of Wisconsin - include type of water required by each kind of fish, its spawning and feeding habits and state laws regulating the taking of the fish.
- 2) Selecting fishing equipment
- 3) Preparing fish for the pan
- 4) Homemade fishing equipment (rod, lure, jig, fly) - exhibit of one or more piece
- 5) Parts of a fish
- 6) Types of bait
- 7) Tackle box inventory check list
- 8) Any other original exhibit related to the sport of fishing

### **Special Awards and Sponsorships**

**Top Shot** - Combination of scores from four events: Indoor Archery, Pistol (either Air or .22), Rifle (Air or .22) and Shotgun (Trap or Skeet). Highest total score will receive a plaque and have their name engraved on a traveling trophy.

**Miller & Sons Supermarket:** All ribbons. Award and rosette to Champion and rosette to Reserve Champion of each designated class or lot (except Class I).

**Dane County Shooting Sports Committee:** Framed certificate and 1-year subscription to the Wisconsin Natural Resources magazine to the champions of Class I.

**Stoughton Conservation Club:** Use of equipment and ranges

**Poynette Bowhunters:** Use of facilities