

**DEPT. 116- JR. NATURAL SCIENCES/WILDLIFE**  
**Superintendents- Bev Buckmann and Barb Yogerst**  
**JUDGING: Monday 1:00pm-7:00pm**

**RULES APPLY TO ALL DIVISIONS**

- Recommended poster size is 14"x 22". Recommended Display Board size is 18"x24". Science boards are acceptable for displays.
- You must cite all resources in written reports.
- Each member is limited to not more than **three entries in any one division.**
- Collection of plant specimens in short supply, state and federal protected flowers, endangered species of any kind, bird nest, and/or feathers are not allowed. Any exhibit of this type will be disqualified.
- No live ammunition. Any sharp objects must be covered.
- Any taxidermy specimens must be clean and finished.

**DIVISION A- Wild Birds**

**Class No.    Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Drawings or photos of 5-10 birds giving the name, food habits, migratory habits, habitat and nesting habits of each. They must be resident mid-western birds or migratory birds through the Midwest.
2. Bird feeder or house made for this project.
3. Any other exhibit related to the project.

**DIVISION B- Fishing**

**Class No.    Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. A journal including at least five fishing trips you have taken.
2. Display of five fishing knots or five boating knots (made out of macramé) and explanation of how each is tied and when you would use each knot.
3. An exhibit of three different reels or five different lures (no live bait) with an explanation of where you would use them and what type of fish you would catch with them. Picture preferred. (If lures are used, the hooks must be protected or encased.)
4. Exhibit of at least 3-5 different aquatic plants, or aquatic insects, or shellfish, or any combination. Exhibit can be pictures or drawings or properly preserved specimens that are properly labeled. Include habitat information for each.
5. Display of two handmade flies and one plug, with explanation of the purpose of each.
6. Exhibit of at least 5 different fish identified and their habitat.
7. Any other exhibit related to the project.

**DIVISION C- Entomology**

Required information on labels (near insect):

- A. Insect's common name, scientific name & order
- B. Where you collected it (plus county & state)
- C. Date you collected it
- D. Your name or initials

**Class No.    Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Insect collection - 1st year - 10 insects
2. Insect collection - 2nd year - 20 insects or more (must have 10 new)
3. Insect collection - 3rd year - 30 insects or more (must have 10 new); if beyond 4th year or more must have 10 more new insects than previous year
4. Poster showing insect parts - properly identified
5. Exhibit on insect life cycle
6. Any other creative exhibit related to the project.

## **DIVISION D - Forestry**

All entries must be properly identified and mounted.

### **Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Exhibit of 10 tree leaves.
2. Exhibit of 5 specimens of wood. (Cross & longitudinal sections showing wood structures).
3. Collection of seed of 10 common useful trees.
4. Leaf prints of at least 10 trees.
5. Poster or diorama of one type of forest management practice.
6. Exhibit showing 3-5 tree diseases.
7. Forestry Skill Level Book with certificate.
8. Jar (1/2 pint) of homemade maple syrup. (must provide small sample of same syrup for tasting)
9. Any other exhibit related to the Forestry Project.

## **DIVISION E- Exploring Your Environment**

### **Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster showing how to recycle or the importance of recycling.
2. A useful item made from recycled materials.
3. Exhibit on water or water conservation
4. Exhibit on rock collection, fossils, or minerals labeled.
5. Exhibit or journal of your weather records
6. Exhibit or poster related to ecosystems.

## **DIVISION F - Bees**

Recommended sizes: Posters - 14"x22"; Display boards - 18"x24"; Science board acceptable for display.

Cite all resources in written reports.

### **Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. 8oz or 16oz clear container of white honey
2. 8oz or 16oz clear container of golden honey
3. 8oz or 16oz clear container of dark honey
4. Comb of honey - (1)
5. Beeswax Exhibit
6. Display of bees and queen
7. Poster or display about honey plants
8. Poster or display about the uses of honey
9. Poster or display about setting up a hive
10. Scrapbooking relating to project
11. Any other bee or honey related project

## **DIVISION G– Wildlife/Wildlife Habitat**

Recommended Sizes: for Posters 14"x 22"; for Display boards 18"x 24"; Science board acceptable for displays.

Cite all resources in written reports.

### **Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster or display of wildlife and their favorite foods and/or their homes (minimum 5)
2. An exhibit showing community service involvement related to wildlife
3. Booklet identifying and describing careers in wildlife ecology (5 minimum)
4. Exhibit on map reading and/or orienteering/GPS
5. Map and story of migration trail or travel of five different animals and/or birds (booklet format)
6. Cassette recording/DVD of 5 wild animal/bird sounds or their calls with 3x5 index card identifying the sequence of animals.

7. Wildlife Project "Camera Hunt" Journal.
8. Poster or display of any phase of sportsmanship or hunting ethics
9. Wood Duck House, bird house, or bat house, 3 x 5 with description of bird type using this house
10. Bat house or bee condo.
11. Plaster track casting of animal track with 3 x 5 card identifying animal and its habitat.
12. Any finished clean taxidermy article
13. Homemade animal or bird call
14. Poster or display related to Wildlife Management Concepts or Management Practices
15. Wildlife habitat skill level booklet with certificate
16. Any other wildlife exhibit

### **DIVISION H - Wildflowers**

Project will be disqualified if any endangered or invasive flowers are included in exhibit.

**Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

#### **Unit A - Ages 9-11**

1. Collect, press, identify, label and mount 5 wild flowers.
2. Collect a single blossom of a flower, press and label all of the parts.
3. Exhibit - 10 pages of a field notebook.
4. Collection of pictures of wildflowers with identification and description ( min. of 10)

#### **Unit B - Ages 12-14**

5. Collect, press, identify, label and mount 20 wild flowers.
6. Make a chart or diagram showing the life cycle of a plant.
7. Make a display: Mount and press the leaves of plants showing leaf arrangement, types of leaves, and lead margins.
8. Exhibit - 15 pages of a field notebook. Pages should be new other than Unit A.
9. Collection of pictures of wildflowers with identification & description (min. of 15)

#### **Unit C - Ages 15 and Older**

10. Collect, press, identify, mount 15 wild flowers collected from one or two selected habitats such as a marsh, bog, prairie, maple woods, etc.
11. Exhibit - 15 pages of a field notebook, to include one or two selected habitat.
12. Collection of pictures of wildflowers with identification & description (min. 20)

### **DIVISION I- Outdoor Adventures**

FOR MEMBERS ENROLLED IN Adventures or Winter Travel

Recommended sizes: Posters 14"x22", Display boards 18"x22"

**Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster/display on safety for outdoor adventure activities
2. Poster/display on outdoor survival
3. Exhibit of first aid items needed for an OUTDOOR ADVENTURE: Items to be labeled along with its function
4. Exhibit of adventure equipment, parts labeled with its function
5. Scrapbook or collection related to outdoor activities
6. Exhibit on Canoe or Kayak trip
7. Exhibit on map reading and orienting or use of GPS
8. Exhibit showing food, supplies and equipment needed for a 3 day proposed family adventure, include a detailed itemized budget
9. Exhibit of 6 family adventure photographs with captions
10. Any other exhibit related to Adventures or Winter Travel

### **DIVISION J- Shooting Sports - Archery**

Recommended Sizes: for Posters 14" x 22"; Display boards 18" x 24"; Science Board acceptable for Display. Cite all resources in written reports

**Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Handmade belt quiver or ground quiver or bow case
2. Handmade arm guard, finger tab, or glove
3. Target backstop, bow rack or arrow rack
4. Poster display of 3 types of target faces. Explain how they are scored.
5. Poster showing parts of a bow or an arrow (NO REAL ARROWS)
6. Poster showing types of bows or types of arrows (drawing of picture) minimum 5
7. Poster or display showing archery safety
8. Display board on types of fletching, arrow nocks, arrow shaft sizes or arrow tips. Arrow tips must be protected
9. Poster or display on how to score a target
10. An exhibit showing community service involvement related to archery
11. Poster on how to determine dominant eye
12. Archery Skill Level Booklet with certificate
13. Any aspect of the history of archery
14. Any other handmade article or exhibit related to archery or wildlife.

### **DIVISION K - Shooting Sports - Air Rifle**

Recommended Sizes: for Posters 14" x 22"; Display boards 18" x 24"; Science Board acceptable for display  
Cite all resources in written reports

**Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster identifying the parts of a rifle
2. Poster illustrating firing positions or emphasizing gun safety
3. Poster illustrating care and cleaning or cleaning kit
4. Air Rifle Skill Level Booklet with certificate
5. Poster or display on how to score an air rifle target face
6. Poster or display on types of air rifle sights
7. Kneeling Roll
8. Pellet block or pellet stand
9. Any other item related to air rifle with prior approval of entry by 4-H youth educator or county shooting sports coordinator.
10. Any other handmade article or exhibit related to wildlife.

### **DIVISION L - Shooting Sports - Shotgun**

Recommended Sizes: for Posters 14" x 22"; Display boards 18" x 24"; Science Board acceptable for display  
Cite all resources in written reports. NO LIVE AMMUNITION

**Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster or display identifying the parts of a shotgun
2. Poster illustrating firing positions or emphasizing gun safety
3. Poster illustrating care and cleaning of gun or Gun Cleaning kit with instructions
4. Poster or display telling story of proper gun handling in one of the following areas: carrying positions, crossing a fence, group hunting
5. A poster or display describing transporting a gun in a car, boat and ATV
6. Poster or display of proper gun storage in the home
7. Journal or diary of shooting or hunting experiences (5 shooting sessions or 3 hunting trips)

8. Shotgun Skill Level Booklet with certificate
9. Homemade gun case or shell pouch
10. Any other item related to shotgun with prior approval of entry by 4-H youth educator or county shooting sports coordinator
11. Any other handmade article of exhibit related to wildlife.

### **DIVISION M - Shooting Sports - Muzzle Loading**

Recommended Sizes: for Posters 14" x 22"; Display boards 18" x 24"; Science Board acceptable for display. Cite all resources in written reports. No powder and/or caps.

**Class No.     Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster of display on safety rules for muzzle loading
2. Homemade muzzle loading accessory
3. Exhibit or report on the history of black powder firearms
4. Poster or display on different types of muzzle loading firearms
5. Poster or display on cleaning, maintenance, or storage of your firearm
6. Muzzle loading Skill Level Booklet with certificate
7. Any other item related to muzzle loading with prior approval of entry by 4-H Youth Educator or County Shooting Sports Coordinator.
8. Any other handmade article or exhibit related to wildlife.

### **Division N - Water**

Recommended sizes: Posters 14"X22", Display boards 18"X24", Science board acceptable for display. Cite all resources in written reports.

**Class No.     Premiums \$2.00, \$1.75, \$1.50, \$1.25**

1. Water conservation techniques or methods
2. Local or national water pollution issues.
3. A local water issue.
4. Portfolio discussing a developed and implemented plan for addressing a specific water issue in the environment.
5. Any other water related exhibit.

### **Division O - Recycling**

Recommended sizes: Posters 14" x 22", Display boards 18"x 24", Science boards acceptable for display. Cite all resources in written reports.

**Class No.     Premiums \$2.00, \$1.75, \$1.50, \$1.25**

1. Item made from recycled materials (can characters, junk mail collage)
2. Poster on how to compost.
3. Illustrate reduce, reuse and recycle.
4. Five recyclable and five non-recyclable materials.
5. Paper making.
6. Vermiculture (composting with worms)
7. Any other recycling exhibit (e.g. item made from recycled materials)

### **Division P - 4-H Summer Camp**

Open to all 4-H members who attended 4-H Summer Camp at Upham Woods or 4-H Outpost Camp in the current 4-H year. Recommended sizes: Posters 14”X22”. Display boards 18”X24”. Science boards acceptable for display. Cite all resources in written reports

**Class No. Premiums \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster relating to 4-H Summer Camp at Upham Woods or 4-H Outpost Camp (2 dimensional only)
2. Scrapbook or Journal relating to 4-H Summer Camp or 4-H Outpost Camp
3. Display relating to 4-H Summer Camp at Upham Woods or 4-H Outpost Camp (3dimensional-not a poster)
4. Any other exhibit relating to 4-H Summer Camp at Upham Woods or 4-H Outpost Camp.

### **DIVISION Q - Shooting Sports - .22 Rifle**

**Class No. Premiums: \$2.00, \$1.75, \$1.50, \$1.25**

1. Poster identifying the parts of a rifle
2. Poster illustrating firing positions or emphasizing gun safety
3. Poster illustrating care and cleaning or cleaning kit
4. .22 Rifle Skill Level Booklet with certificate
5. Poster or display on how to score a .22 rifle target face
6. Kneeling Roll or shooting bench
7. Ammunition block or stand
8. Any other item related to .22 rifle with prior approval of entry by 4-H youth educator or county shooting sports coordinator
9. Any other handmade article or exhibit related to wildlife.

### **Division R - Wisconsin Wildlife & Forestry**

Open to youth participating in Wildlife WHEP and forestry activities. All wildlife exhibits must be from Wisconsin. Recommended sizes: Posters 14” x 22”. Display boards 18” x 24”. Science boards acceptable for display. Cite all resources in written reports.

**Class No. Premiums \$2.00, \$1.75, \$1.50, \$1.25**

1. WI: Trail cam photo or photo of predator. Identify animal and its habitat and where the photo was taken on 3 x 5 card.
2. WI: Trail cam photo or photo of game animal. Identify animal and its habitat and where the photo was taken on 3 x 5 card.
3. WI: Plaster cast of animal track. 3 x 5 card with identification and habitat of animal.
4. WI: Photo of songbird, properly identified and where taken.
5. WI: Poster of 4 wild mammals, birds, or waterfowl; properly identified and their habitat.
6. WI: Exhibit of an Invasive plant species and control measures.
7. WI: Taxidermy that you have mounted. Properly identified.
8. WI: Wildlife or Forestry Skill Level Book with certificate
9. WI: Management practice or concepts for wildlife habitat or forestry
10. WI: Collection of leaves, seeds OR bark from 5-8 species with identification.
11. WI: Tree diseases in Wisconsin. Identify 3-5 diseases including characteristics and treatment.
12. WI: Recycled item for wildlife use. (E.g. feeder, nesting material, etc.)
13. WI: Any other exhibit related to wildlife or forestry.

## Division S – Geocaching/GPS/GIS

### Class No. Premiums \$2.00, \$1.75, \$1.50, \$1.25

1. Create a poster or notebook on some aspect of Geocaching.
2. Create a Record Book/Notebook tracking your geocache adventures for the current year.
3. Display a collection of your favorite geocache found items.
4. Create a traditional geocache that is ready to hide.
5. Create a mystery/puzzle geocache that is ready to hide
6. Create a gadget cache that is ready to hide.
7. Plan and conduct a geocaching outing.
8. Display explaining how the Global Positioning System (GPS) works. Include marking and editing a waypoint, changing field functions, and changing the coordinate system in the unit.
9. Exhibit describing the most likely hazards you may encounter while participating in geocaching activities, and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.
10. GEOSPATIAL: Poster: types of geographical tools or uses of geographical tools.
11. Any other exhibit related to Geocaching, GPS, or GIS