

# DEPARTMENT J-16 NATURAL RESOURCES AND ENVIRONMENTAL EDUCATION



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Superintendents

Divisions A-C, Class #'s (1-21) will be conference judged on Tuesday of Fair Week in the Horticultural Building from 1-6 pm and displayed in the Horticultural Building.

**DIVISION A: Grades 3-5**  
**DIVISION B: Grades 6-8**  
**DIVISION C: Grades 9-13**

## BIRDS

### Open to Divisions A, B & C

#### CLASS NUMBER

1. Homemade bird feeder with some bird feed in it. Identify for what birds. Information on a 3"x5" card attached to feeder. If used, be sure feeder is clean.
2. Homemade birdhouse. Identify for what bird, where placed, and if used, what bird did you attract. Information on a 3"x5" card attached to birdhouse. If used, be sure house is clean.
3. Scrapbook of drawings, cut out pictures or photographs of 10 birds which can be observed in Barron County. Each subject to be identified by common name.
4. Pictures, drawings, or photos of 5 bird nests, identify type of bird, where found & construction materials.
5. **Division A Only:** Notebook exhibit of at least 10 pictures or drawings of birds seen and identified by you. Identify each bird and list food habits, migratory habits, habitat and nesting habits.
6. **Division B & C Only:** Notebook exhibit of at least 15 pictures or drawings of birds seen and

identified by you. Identify each bird and list food habits, migratory habits, habitat and nesting habits.

7. A scrapbook study of a bird group (waterbirds, gamebirds, birds of prey, birds of a forest, song-birds, winter birds).
8. Any other entry relating to the observation, welfare or behavior of birds.

#### **Premiums for Bird Study**

**Blue \$2.00; Red \$1.75; White \$1.50; Pink \$1.25**

## BEES & HONEY

Open to members enrolled in the bee project. All posters should be no smaller than 11" x 14" or larger than 22" x 22". Use white tagboard or posterboard for posters.

### Open to Divisions A, B & C

#### CLASS NUMBER

9. Comb of Honey – in a ziplock bag.
10. Jar of amber honey – in pint mason jar with lid, ring and dated.
11. Poster illustrating the "Honey Bee" as a pollinator.

#### **Premiums for Above:**

**Blue \$2.00; Red \$1.75; White \$1.50, Pink \$1.25**

### Open to Divisions A, B & C

#### CLASS NUMBER

12. Live display of bees and queen
13. Any piece of homemade bee equipment

#### **Premiums for Above:**

**Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75**

## ENTOMOLOGY (INSECTS)

Collections should be securely enclosed within a display case with cover other than glass.

### Unit 1:

#### Creepy Crawlies

### **DIVISION A Only:**

#### CLASS NUMBER

14. Display on insect body parts
15. Collection of at least 12 species of insects

### Unit 2

#### What's Bugging You?

### **DIVISION B Only:**

#### CLASS NUMBER

16. Collection of at least 24 species of insects.

### Unit 3:

#### Dragons Houses or Other Flies

#### Division C Only:

##### CLASS NUMBER

17. Insect collection or observation records.
18. Collection of at least 36 species of insects

#### Premiums for Entomology

Blue \$2.00 Red \$1.75 White \$1.50 Pink \$1.25

#### WILD FLOWER STUDY

All collected within this 4-H year; endangered species may not be exhibited. A label should accompany each mount within a scrapbook collection which:

- properly identifies the wildflower,
- notes the date of collection,
- identifies the habitat the wildflower was collected from

Posters should be no smaller than 11"x14" or larger than 22" x 22".

#### Open to Divisions A, B & C

##### CLASS NUMBER

19. Collect, press, identify, label, and mount 15 native wildflowers
20. Collect a single blossom of a flower, press and label all the parts
21. A photo display of 3 endangered species, labeled with brief statement as to why each is endangered.

#### Premiums for Above

Blue \$2.00; Red \$1.75; White \$1.50; Pink \$1.25

#### SECTION I

DIVISION D: Grades 3-5  
DIVISION E: Grades 6-8  
DIVISION F: Grades 9-13

#### Open to Divisions D, E & F: Canoeing

##### CLASS NUMBER

1. Poster explaining advantages & disadvantages of various canoe materials.
2. Poster detailing the parts of a canoe & paddle. Explain the purpose of each part.

#### Open to Divisions D, E & F: Cross Country Skiing

##### CLASS NUMBER

3. Poster or display of proper equipment with explanation.
4. Any other exhibit related to cross country skiing.

### Premiums

#### For Canoeing/Cross Country Skiing

Blue \$2.00; Red \$1.75; White \$1.50; Pink \$1.25

#### SECTION II

#### WILDLIFE

Posters should be no smaller than 11"x14" or larger than 22" x 22". White tagboard or posterboard to be used for posters.

#### Open to Divisions D, E, & F:

##### CLASS NUMBER

5. Display of 10 berry-bearing shrubs suitable for game bird feeding. Collection may be seeds, fruits or leaves and must be properly identified.
6. On 11"x14" tagboard or posterboard, assemble a collection of 8 Wisconsin wildlife; may clip wildlife photos from magazines, newspapers, or print them off the internet. Write a short paragraph about the animal, identify the animal, describe the habitat, diet and normal lifespan of the animal.

#### NATURE SPACE

Posters should be no smaller than 11"x14" or larger than 22" x 22". White tagboard or posterboard is to be used for posters.

#### Open to Divisions D, E, & F:

##### CLASS NUMBER

7. A home recycling exhibit
8. A farm recycling exhibit
9. Poster showing how to recycle or the importance of recycling.

#### FORESTRY

#### Trees, Woods, Forest Products

Open to members enrolled in the forestry project. Posters should be no smaller than 11"x14" or larger than 22" x 22".

#### Open to Divisions D, E, & F:

##### CLASS NUMBER

10. Scrapbook exhibit of 15 native hardwood tree leaf rubbing (any medium) identified by common and scientific names.
11. A poster which illustrates how to distinguish Red Oak from White Oak and Red Pine from White Pine. Include brief explanations.
12. A display of 10 lumber specimens identified by common name. Briefly explain the qualities and general use of each specimen

13. A poster or informative display illustrating, and briefly explaining the steps involved in collecting sap and/or processing sap into syrup or sugar.
14. Exhibit of 1 pint of maple syrup in a pint sized mason jar with lid and ring, dated.

### FISHING

Open to members enrolled in the fishing project. All lures should be presented in a secure display case. Posters should be no smaller than 11"x14" or larger than 22" x 22." White tagboard or posterboard to be used for posters.

**Open to Divisions D, E, & F:**  
**CLASS NUMBER**

15. A poster illustrating 6 different fish common to your home area. Identify the fish by both common and scientific name.
16. A poster, scrapbook of photographs, or written story describing a memorable fishing experience or series of fishing outings.

### HUNTING, TRAPPING

Open to members enrolled in the hunting project.

**Open to Divisions D, E, & F:**  
**CLASS NUMBER**

17. A display of antler mount completed by the member.
18. A poster illustrating firearm safety while hunting with others.
19. Trapping: Tools of the Trade – A poster which illustrates trap types and their uses; basic trapping equipment; use of lures, scents, and baits; fur handling equipment. Select one.

**Premiums for Wildlife, Nature Space, Forestry,  
Hunting and Trapping**  
**Blue \$2.00 Red \$1.75 White \$1.50 Pink \$1.25**

### SECTION III

### SHOOTING SPORTS COMPETITIVE SHOOTING EVENTS

Competitive shooting participation is limited to members who have successfully completed the respective shooting sport project as outlined in the Shooting Sports Handbook. Minimal age requirements for participants in specific shooting projects have been established. Participants will compete within their age group. Age within an age group is with respect to 4-H age, age as of January 1 of the current fair year. (However, with respect to

fireburning events; participants may compete if his/her 12th year birthday is before April 30 by discretion of the project leader. Such participants would be included in the 12-13 age group.) Competitive Shooting Contests will be held prior to the fair. The dates of these contests will be made known to all qualifying project completers.

#### **Premiums for Competitive Shooting Events**

**Blue \$2.00 , Red \$1.75 , White \$1.50 Pink \$1.25**

### ARCHERY

**John Schaffer-234-7368;  
Staci Rae and Charles Ray  
Superintendents**

Open to project completers ages 8-19. Three competitive shooting events; each with four age groups and three shooting categories.

#### **EVENTS:**

1. Indoor Target Archery Shoot: 8 rounds of 5 arrows per round. Total possible score is 200.
2. Dart Electronic 2-D Archery Shoot: 1 arrow at each of 20 different moving image projections. Total possible score is 200.
3. Outdoor 2-D Archery Shoot: Shooting from 12 different stations, each station with a different still image. Total possible score is 120.

#### **CATEGORIES (bow type & accessories)**

**Barebow** – Any bow type may be used without the aid of mechanical release or sighting devices. Sight brackets must be removed from the bow. No peep or other on string sight may be used. Stabilizers may not be used.

**Limited Freestyle** – Allowing the use of any non-optical sighting device – no mechanical release use

**Unlimited Freestyle** – allowing the use of any combination of sighting devices including optical sights and/or mechanical releases.

#### **DIVISIONS – AGE GROUPING**

<b>Division G: 15-19</b>	<b>Senior (20 yards)</b>
<b>Division H: 12,13,14</b>	<b>Intermediate (15 yards)</b>
<b>Division I: 10, 11</b>	<b>Juniors (10 yards)</b>
<b>Division J: 8, 9</b>	<b>Beginners (10 yards)</b>

## DART ELECTRONIC ARCHERY SHOOT

### CLASS NUMBER

1. Dart Barebow
2. Dart Limited Freestyle
3. Dart Unlimited Freestyle

## INDOOR ARCHERY TARGET SHOOT

### CLASS NUMBER

4. Indoor Barebow
5. Indoor Limited Freestyle
6. Indoor Unlimited Freestyle

## OUTDOOR 2-D ARCHERY SHOOT

### CLASS NUMBER

7. Outdoor Barebow
8. Outdoor Limited Freestyle
9. Outdoor Unlimited Freestyle

### AIR PISTOL

Open only to project completers ages 10-19. One competitive event with three age group classes. Air Pistol Target Shoot: One-handed shooting at 10 meters with open sights in a single shot fashion. Only 0.177 cal. lead pellets may be used as ammunition.

#### DIVISIONS-AGE GROUPING

**Division G: 15-19; Senior**  
**Division H: 12, 13, 14; Intermediate**  
**Division I: 10, 11; Juniors**

### CLASS NUMBER

10. Air Pistol

### RIFLE

**Dale Kringle, Jody Roubal and  
Superintendents**

## AIR RIFLE-OPEN SIGHTS, 10 METER

Open only to project completers ages 8-19. One competitive shooting event with four age group classes. Air Rifle Target Shoot: Shooting at 10 meters with 10 shots from each of three positions: prone, kneeling and standing. Only 0.177 cal. lead pellets may be used as ammunition. No scoped rifles are permitted. Total possible score is 300.

#### DIVISIONS—AGE GROUPING

**Division G: 15 -19; Senior**  
**Division H: 12,13,14; Intermediate**  
**Division I: 10,11; Juniors**  
**Division J: 8,9; Beginners**

### CLASS NUMBER

11. Air Rifle
12. Air Rifle Metallic Silhouettes

### .22 CALIBER RIFLE OPEN SIGHTS, 50 FT.

Open only to project completers Ages 12-19. One competitive event with two age group classes. Open sights .22 cal. rifle target shoot: shooting at 50 ft. using .22 cal. short, long, or long rifle ammunition only.

#### DIVISIONS—AGE GROUPING

**Division G: 15 -19; Senior**  
**Division H: 12,13,14; Intermediate**

### CLASS NUMBER

13. Open sights .22 cal. Rifle
14. .22 cal. Rifle Metallic Silhouettes

### .22 CALIBER RIFLE, 50 YARDS

Open only to project completers ages 12-19. One competitive event with two age group class. Scoped .22 cal. rifle target shoot: shooting at 50 yards using .22 cal. short, long, or long rifle ammunition only. (one may elect to compete with open sights)

#### DIVISIONS - AGE GROUPING

**DIVISION G: 15-19; Senior**  
**DIVISION H: 12,13,14  
Intermediate**

### CLASS NUMBER

15. Scoped .22 cal. Rifle

### SHOTGUN, TRAP

**Rocky Bank, Tom Ebler  
John Tully, Bruce Thunberg  
Superintendents**

Open only to project completers ages 12-19. One competitive event with two age group classes. Shotgun trapshoot: Two rounds of 25 clays per round at 16 yards shooting 12, 16, or 20 gauge 2 3/4 inch shells of shot size 7 1/2 to 9.

### DIVISIONS-AGE GROUPING

Division G: 15-19 Senior  
Division H: 12, 13, 14 Intermediate

#### CLASS NUMBER

16. Shotgun Trap

### MUZZLELOADING BLACKPOWDER

Open to project completers 12-19. One competitive event with two age group classes. Muzzleloading Rifle Target Shoot: Shooting 5 shots each at 25 and 50 yards standing offhand. Open/Metallic sights only.

### DIVISIONS-AGE GROUPING

Division G: 15-19 Senior  
Division H: 12,13,14 Intermediate

#### CLASS NUMBER

17. Muzzleloading Rifle  
18. Muzzleloading Rifle Metallic Silhouettes

### SECTION IV SHOOTING SPORTS, EXHIBITS, DISPLAYS, POSTERS

Rhonda Lillie – Superintendent

**All entries will be conference judged on Tuesday of Fair Week from 1-6 pm in the Youth Expo Building**

Open to all members enrolled in a shooting sports project. \*All entries must be the result of the members efforts during the interim of the previous and the current county fair.\*Please consider the safety of, and the security for, the items within your exhibit or display.\*Some entries require a lockable display case with a viewing cover of a "plexiglass" type material. Display case construction will NOT be a criterion of judgment.\*You must attach a fair entry tag to your entry to qualify for premium awards.

### DIVISIONS – GRADE GROUPING

Division K: Grades 3-5  
Division L: Grades 6-8  
Division M: Grades 9-13

#### CLASS NUMBER

1. Poster illustrating, and briefly explaining proper **bow shooting techniques**.

2. Poster illustrating **different types of archery bows** with a brief explanation and/or history of each.
3. Poster illustrating **different arrow point types** with a brief explanation relating design to function.
4. Display of **arrow point types** with a brief explanation relating design to function (display within a lockable case if hunting broad heads are displayed).
5. Display of **various types of arrow shafts and/or arrow fletching**. (Arrow points removed.) with a brief explanation relating, design to function. (If displayed as a poster, poster maybe 24"x36".)
6. Exhibit of **archers accessory item** made by the member: finger tab, shooting glove, arm guard, quiver, shooting sights, or other.
7. Poster illustrating and briefly explaining **shooting range safety** for (select one) archery, air rifle, air pistol, 22 cal. rifle, or shotgun trap.
8. Poster illustrating and briefly explaining **proper sight alignment** for (select one): archery, air rifle, air pistol, 0.22 cal. rifle, or shotgun trap.
9. Poster illustrating the **safe and legal transportation** of (select one) archer bows or firearms.
10. **Poster** illustrating the items which should be in a **survival kit** with a brief explanation of each item's potential use.
11. **Display** of the contents of a **survival kit** with a brief explanation of each item's potential use. Display within a lockable case with a plexiglass-type viewing cover.
12. Poster which illustrates and briefly explains **how to construct an item of survival** such as a solar water still, shelter or any other survival enhancer.
13. Exhibit of a **model of a survival enhancer**, constructed by the member, with a brief explanation of its construction and how it is to function.
14. Exhibit of a **detailed accounting of your participation and progress in your shooting sports project**. May include logs, diary, photographs, documented targets, graphical presentation of shooting scores or other.
15. Poster illustrating **different types of firearm actions** with parts properly labeled.
16. Display model, constructed by the member, which exhibits the **basic parts of a firearm** (select one): rifle, shotgun, or pistol. Identify the basic parts.
17. Poster illustrating and identifying the **parts of a specific firearm** (select one): air rifle, air pistol, 0.22 cal. rifle or shotgun. The name, model and type of the firearm illustrated must be stated.
18. Poster illustrating the **different types of rifle sights** with a brief explanation of each.
19. Poster or display model, constructed by the

## SECTION V

### DIVISION N: SHOOTING SPORTS YOUTH LEADERSHIP

- member, which illustrates **ammunition parts** (select one): rifle cartridge or shotgun shell. Identify and explain the function of each part.
20. Poster illustrating the **procedure of hand-loading** (select one): Shotgun shells or rifle cartridges. Include a brief explanation of the steps involved.
  21. Display of **hand-loaded shotgun shells** (loaded by the member) with a description of the procedures used. Display within a lockable case with a plexiglass-type viewing cover.
  22. Display of a collection of **various types of ammunition**. Identify by caliber, originator and year introduced. Display within a lockable case with a plexiglass-type viewing cover.
  23. Poster illustrating **shooting positions or shooting techniques** associated with (select one): Trap shooting, Air or .22 cal. rifle, air pistol.
  24. Poster illustrating the common **carrying positions** for a rifle or shotgun with a brief explanation as to when each carrying position would be appropriate.
  25. Poster illustrating **how to clean and care for your firearm** (select one): your rifle, shotgun, or pistol.
  26. Exhibit of firearm **shooter's accessory item** made by the member: shell pouch, rifle sling, shooting bench, pellet trap, elevated pellet tray, or other.
  27. Poster illustrating **ground to air rescue signals**.
  28. Scrapbook or essay on a **hunter's diary** of his/her own hunt (hunt to have been experienced between the interim of the previous and the current county fair).
  29. Poster illustrating how to **correctly handle firearms** while hunting in a group.
  30. Any type of display illustrating **hunter ethics**.
  31. Any other exhibit, display or illustration related to your shooting sports project.

**PREMIUMS FOR ALL SHOOTING SPORTS EXHIBITS**  
Blue \$2.00, Red \$1.75, White \$1.50, Pink \$1.25

*Open to shooting sports project youth leaders  
Grades 8-13*

#### CLASS NUMBER

1. A poster or scrapbook depicting the youth leader's involvement with his/her project along with a written accounting of the experience.
2. An essay on the youth leader's experience along with a summary of what the youth leader has learned through this experience.

#### **PREMIUMS**

**Blue \$2.00, Red \$1.75, White \$1.50, Pink \$1.25**