

DEPARTMENT 16 – NATURAL SCIENCE

Judging: Monday 1:00 – 7:00 PM

Division A – Study of Birds

RULES:

1. For posters, please see Rules & Regulations Jr. Division.
2. No migratory feathers, nests or eggs allowed for exhibition.

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Exhibit of at least 5 birds, drawings or cut-outs, identified by member. Properly labeled. Food habits, migratory habits, habitat, and nesting habits of each bird included.
102.	Picture or drawing of bird parts
103.	Two different single unit bird houses for wren, bluebird, tree swallow, or one martin house
104.	Two different bird feeders
105.	Exhibit of bird observation sheets (at least six different species)
106.	Exhibit showing how to improve food, water and habitat for birds
107.	Any other exhibit related to birds.

Division B – Fishing

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No	Description
101.	Exhibit showing 10 fish of Wisconsin, properly identified
102.	Exhibit of 10 knots for fishing, mounted and labeled
103.	Exhibit of 10 knots for boating, mounted and labeled
104.	Exhibit of 5 fishing lures, made by exhibitor, explain use
105.	Exhibit of 5 fishing flies, made by exhibitor, explain use
106.	Exhibit of parts of a fishing reel, identified
107.	Fishing trip plans or report
108.	Ten recipes for preparing fish
109.	Any other exhibition of boating safety
110.	Any other exhibit related to fish/fishing

All exhibitors must know and follow the General Fair Rules in addition to Dept. specific rules

Division C – Insects/Entomology

RULES:

1. Insects exhibited must have been collected since last year's fair.
2. Be careful not to collect protected/endangered insects. (i.e. monarch butterflies, honeybees, etc.)
3. Virtual Collection can be photographs, drawings or paper clippings of insects.

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Exhibit Identifying insect parts
102.	Exhibit showing how insects move
103.	Exhibit showing integrated pest management
104.	Collection of 5 types of insects properly mounted and labeled, virtual or actual specimen
105.	Exhibit on entomology careers
106.	Collection of 10 insects, representing 4 different mouth types (identify), virtual or actual specimen
107.	Collection of insect wings, showing wing types and parts (identify), virtual or actual specimen
108.	Exhibit showing the life cycle of Monarchs through pictures, drawings, etc. with description of each stage
109.	Exhibit showing problems Monarch Butterflies are encountering and what can be done to improve their status
110.	Exhibit showing the life cycle of bees through pictures, drawings, etc. with description of each stage
111.	Exhibit showing problems bees are encountering and what can be done to improve their status
112.	Exhibit of Honey
113.	Any other exhibit related to honey
114.	Any other exhibit related to entomology

DIVISION D - Trees

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Collection of leaves from 20 trees (Identify name of tree, date of collection, county, habitat)
102.	Collection 10 kinds of tree seeds (Include name of tree, means of seed dispersal, desirable seed bed conditions, date and place of collection.)
103.	Exhibit of 15 different leaf prints labeled according to species
104.	Chart or diagram showing the annual life history of a tree
105.	Exhibit showing at least 5 native trees, where they grow and what benefits they provide to wildlife
106.	Collection of 10 lumber specimens of native trees (Label with name of wood properties, uses, date and place of collection)
107.	collection, not to exceed 2" x 2") One pint of maple syrup made by exhibitor in the last year
108.	Any other exhibit related to maple syrup
109.	Any other exhibit related to forestry

DIVISION E – Wildflowers

RULES:

1. Be careful not to collect protected species of wildflowers.

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Homemade plant press with explanation of use
102.	Exhibit pressed blossom of a flower (with all flower parts properly labeled)
103.	Collection of 10 kinds of wildflower seeds, identify (show dispersal by wind, water, birds and mammals)
104.	Mounted collection of 10 wildflower photos, identified
105.	An exhibit on edible or medicinal plant uses
106.	A photo story, show the creation and maintenance of a wildflower garden
107.	Exhibit showing environmental benefits of Native Wildflowers through pictures, drawings, etc. with descriptions of each
108.	Any other exhibit related to wildflowers

Division F Adventures

RULES:

1. The exhibits in this Division must be about one of the following: Backpacking, Winter Travel, Canoeing or Bicycling and they must be properly labeled.

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Exhibit showing basic care and maintenance of equipment
102.	Exhibit on travel or trip experience
103.	Exhibit on safety
104.	Exhibit on first aid kit or repair kit
105.	Any other exhibit related to adventures

Division G Shooting Sports

RULES:

1. The exhibits in this Division must be about one of the following: Archery, Rifle, Air Rifle, Pistol, Air Pistol, Shotgun or Muzzleloader and they must be properly labeled.

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Poster or exhibit of safety
102.	Poster showing proper shooting stance
103.	Scrapbook using photos to show growth and development of individual
104.	Exhibit or report of competition experience
105.	Poster or exhibit showing care and maintenance of equipment
106.	Poster showing parts and/or equipment used In shooting sports
107.	Any other exhibit related to shooting sports

Division H -Hunting and Ecology

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Poster or exhibit which explains or teaches hunter safety
102.	Exhibit related to outdoor cookery/camping
103.	Photo exhibit on the project with a report
104.	Poster showing identification characteristics of an animal species
105.	Exhibit or plaster cast of a wild animal's tracks
106.	Poster of at least four photos of wildlife (animal or bird) taken during a "camera hunt"
107.	Exhibit of a homemade decoy (any animal or bird)
108.	Exhibit of an animal silhouette target
109.	Exhibit of a homemade article used for hunting
110.	Essay on hunting ethics (at least 250 words)
111.	Poster or exhibit on the principles of game management
112.	Poster or exhibit relating to Wisconsin Hunting Laws
113.	Any Other Exhibit related to Hunting and Ecology

Division I – Wildlife Habitat

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Exhibit showing wildlife as a resource
102.	Identify wildlife and their foods
103.	Wildlife Management practices/plan
104.	Any other exhibit related to wildlife

Division J – Environmental – Recycling

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Exhibit showing natural cycles (water, nutrient, etc.)
102.	Exhibit showing renewable and non-renewable resources
103.	Exhibit on composting
104.	Exhibit on turning trash into cash
105.	Exhibit or poster on air pollution/causes and reduction
106.	Exhibit or poster on water pollution or prevention
107.	Any Other Exhibit related to recycling

Division K – Life Science
Division L – Earth Science
Division M – Chemistry
Division N – Physics
Division O – Astronomy
Division P – Any Other Science

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Class No.	Description
101.	Essay, Booklet or scrapbook describing what was done or learned in this project
102.	Poster showing what was done or learned in this project
103.	Exhibit showing what was done or learned in this project (no animals allowed)
104.	Article made by exhibitor while exploring this project
105.	Action presentation: any number of members may participate. Exhibitor(s) shall show and describe their in- depth project display to the judge. Each individual must enter Class 105 on their entry form to receive premium.
106.	Any other exhibit using PHEOC (Problem, Hypothesis, Experiment, Observation, Conclusion)



All exhibitors must know and follow the General Fair Rules in addition to Dept. specific rules