

## **Department 116 – Natural Sciences**

1. Exhibitor may enter only the project they are enrolled in. No more than **3** entries per class.
2. Exhibitors enrolled in the “Introduction to Naturespace” project may take a total of 3 entries from Classes A-E.
3. Poster size not to exceed 22” x 28”. Staple entry tag to upper right front corner. Display size not to exceed 48” x 36”.
4. One display per member in all classes under “any other display not listed above” may exceed maximum size of 48” x 36”.
5. Judging will take place Thursday.

Premiums: \$2.50 - \$2.25 - \$2 - \$1.75

### **Class A – Birds**

#### **Lot Numbers**

- 1 Display of at least 10 species of birds pictures, either drawings or cut-outs of birds seen and identified by the member
- 2 Compare and contrast 5 species of birds of the field with 5 species of birds of the forest or marsh
- 3 Display of pictures or drawings and explanation of the different kinds of one of the following bird parts: beak, feet, feathers, or other bird parts
- 4 Written journal of bird watching activities covering at least 3 expeditions
- 5 Photo display of birds sighted by member at feeder, nest or bird house, tree, etc.
- 6 Display and report your observances of body parts of a bird and their functions
- 7 One bird house of your own construction with description of intended use and bird it was built for
- 8 One bird feeder of your own construction
- 9 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 10 Any other display not listed above

### **Class B – Sport Fishing**

#### **Hooks must be protected**

#### **Grades 3-5**

##### **Lot Numbers**

- 1 Educational poster on 10 different species of Wisconsin fish
- 2 One homemade popper for fishing
- 3 One homemade jig for fishing
- 4 One homemade fly for fishing
- 5 Educational poster on proper fishing techniques
- 6 Educational poster on fishing equipment
- 7 One fish plaster mold
- 8 Any other type of fishing lure not listed above

- 9 Ice fishing equipment
- 10 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 11 Any other display pertaining to fishing not listed above

#### **Grades 6-8**

##### **Lot Numbers**

- 12 Educational poster on 10 different species of Wisconsin fish
- 13 One homemade popper for fishing
- 14 One homemade jig for fishing
- 15 One homemade fly for fishing
- 16 Educational poster on proper fishing techniques
- 17 Educational poster on fishing equipment
- 18 One fish plaster mold
- 19 Any other type of fishing lure not listed above
- 20 Ice fishing equipment
- 21 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 22 Any other display pertaining to fishing not listed above

#### **Grades 9 & up**

##### **Lot Numbers**

- 23 Educational poster on 10 different species of Wisconsin fish
- 24 One homemade popper for fishing
- 25 One homemade jig for fishing
- 26 One homemade fly for fishing
- 27 Educational poster on proper fishing techniques
- 28 Educational poster on fishing equipment
- 29 One fish plaster mold
- 30 Any other type of fishing lure not listed above
- 31 Ice fishing equipment
- 32 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 33 Any other display pertaining to fishing not listed above

### **Class C – Entomology**

Use standard insect box for insect collections

#### **Grades 3-5**

##### **Lot Numbers**

- 1 Educational poster identifying the different parts of an insect
- 2 Educational poster emphasizing the value of insects
- 3 Collection of 20 or more species of insects mounted and labeled as directed in project literature
- 4 Educational poster or display explaining the life cycle of insects
- 5 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 6 Any other display pertaining to the insect project

**Grades 6-8**

## Lot Numbers

- 7 Display showing the life cycle of an insect
- 8 Collection of 30 or more species of insects mounted and labeled as directed in project literature (at least 10 insects must be new from the previous year)
- 9 Collection of 4 insect damaged plants properly mounted. Include an explanation of how to control the damage.
- 10 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 11 Any other display pertaining to the insect project

**Grades 9 & up**

## Lot Numbers

- 12 Educational poster or display of an insect control activity
- 13 Collection of 40 or more species of insects mounted and labeled as directed in project literature (at least 10 insects must be new from the previous year)
- 14 Display of four cocoons or chrysalises and emerging moths and butterflies properly labeled
- 15 An artistic arrangement of the wings of insects (take old mounted insects, cut off wings, and arrange in a design)
- 16 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 17 Any other display pertaining to the insect project

**Class D – Forestry****Grades 3-5**

## Lot Numbers

- 1 Scrapbook containing map of project area, planting and/or management plans, pictures of before and after, and progress of project
- 2 Display of entire leaves, winter twigs, and fruit of 10 different species of trees (not including fruit trees), pressed, identified, labeled and mounted on white poster board. Identification should include the name of tree, date of collection, county, habitat, and name of collector.
- 3 Display of mounted tree seeds from 10 different species of trees. Each label should include name of tree, principal means of seed dispersal, desirable seed bed conditions, date and place of collection, important seed destroyers, and name of collector.
- 4 Display of leaf prints of 10 different species of trees labeled according to species
- 5 Educational poster or display explaining the difference between a coniferous and a deciduous tree
- 6 Educational poster emphasizing the value of trees
- 7 Potted seedling; must be rooted and have age listed (such as one year)

- 8 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 9 Any other display not listed above

**Grades 6-8**

## Lot Numbers

- 10 Display of entire leaves, twigs and fruit of 15 different species of trees (not including fruit trees), pressed, identified, labeled, and mounted on a piece of plywood or board. Identification should include name of tree, date of collection, county, habitat, and name of collector
- 11 Chart or diagram showing the annual life history of a tree
- 12 Branch mount of 15 or more species of trees (must be labeled). Approx. 1" in diameter and 3" in length with one end cut on a diagonal.
- 13 Display or diagram of the leaves of one of the tree families (example: white oak, red oak, burr oak, etc.)
- 14 Display of 15 different leaf prints labeled according to species
- 15 Display of mounted tree seeds from 15 different species of trees. Each label should include name of tree, principal means of seed dispersal, desirable seed bed conditions, date and place of collection, important seed destroyers, and name of collector.
- 16 Educational poster or display on disease and its effect on the forest
- 17 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 18 Any other display not listed above

**Grades 9 & up**

## Lot Numbers

- 19 Display of entire leaves, twigs and fruit of 20 different species of trees (not including fruit trees), pressed, identified, labeled and mounted on a piece of plywood. Include name of tree, date of collection, county, habitat, and name of collector.
- 20 Categorize 5 local tree species describing bark consistency, wood quality, leaf structure, and fruit design. Mount on a piece of plywood or board.
- 21 Diagram of a tree and of a cross-section of its trunk. Label the tree parts and the zones in the cross-section. Describe how a tree grows, with reference to diagrams.
- 22 Mounted display of 10 lumber specimens of important native trees. Each specimen must be labeled with name of wood, important properties, important uses, and date and place of collection.
- 23 Display of mounted tree seeds from 20 different species of trees. Each label should include name of tree, principal means of seed

dispersal, desirable seed bed conditions, date and place of collection, important seed destroyers, and name of collector.

- 24 Display of leaf prints from 20 different tree species labeled according to species
- 25 5 or more tree portrait series using either color or black and white film. Each series should include 3 or 4 pictures to show general growth habits, leaves, fruit, and bark of a species. Each portrait series should be mounted and labeled for display.
- 26 Educational poster or display on disease and its effect on the forest
- 27 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 28 Any other display not listed above

### **Class E – Wildflowers**

#### **Lot Numbers**

- 1 Display of a minimum of 10 wildflower species properly pressed, mounted, and labeled
- 2 Display of a picture or actual pressed blossom of a flower with all flower parts properly labeled
- 3 Chart or diagram showing the life cycle of a plant. Use pressed specimens to show each stage of development.
- 4 Display of seeds from 10 different species of wildflowers mounted showing various adaptations to dispersal by wind, water, birds, and mammals
- 5 Display of 5 native fern species properly pressed, mounted and labeled
- 6 Plan of your wildflower garden or preserve
- 7 Artistic arrangement of pressed wildflowers
- 8 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 9 Any other display not listed above

### **Class F – Adventures** (includes Back Packing, Winter Travel, Canoeing, Bicycling)

All brand names must be covered or made unidentifiable.

#### **Lot Numbers**

- 1 A display on safety precautions for adventure activities
- 2 A display showing the prevention of adventure related accidents
- 3 A display showing proper clothing for adventure activities
- 4 A repair kit made by the member for adventure equipment with an explanation of the use of its contents
- 5 A first aid kit for adventure activities made by the member with each article labeled with its function
- 6 A display of menus and gear to cook the meals for an adventure trip member has taken
- 7 A display on map reading and orienteering

- 8 A display on outdoor survival
- 9 A journal, story, poem or song composed by member about an adventure trip
- 10 A display showing the steps for planning an adventure trip
- 11 A display of a family adventure activity
- 12 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 13 Any other display not listed above

**Shooting Sports** – No live ammunition in exhibits.

### **Class G – Archery**

#### **Lot Numbers**

- 1 Safety poster
- 2 Poster showing proper shooting stance
- 3 Scrapbook using photographs to show growth and development of member's skill (include shooting score cards)
- 4 Home-made quiver
- 5 Home-made arm guards, finger tabs
- 6 Poster or display showing care and maintenance of archery equipment
- 7 Poster showing the parts of a bow and arrow
- 8 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 9 Any other display not listed above

### **Class H – Air Pistol**

#### **Lot Numbers**

- 1 Safety poster
- 2 Poster showing proper shooting stance
- 3 Scrapbook using photographs to show growth and development of member's skill (include shooting score cards)
- 4 Poster or display showing care and maintenance of a pistol
- 5 Poster showing the parts of a pistol
- 6 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 7 Any other display not listed above

### **Class I – Rifle**

#### **Lot Numbers**

- 1 Safety poster
- 2 Poster showing proper shooting stance
- 3 Scrapbook using photographs to show growth and development of member's skill (include shooting score cards)
- 4 Poster or display showing care and maintenance of a rifle
- 5 Poster showing the parts of a rifle
- 6 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 7 Any other display not listed above

### **Class J – Hunting**

#### Lot Numbers

- 1 Poster relating to Wisconsin hunting laws
- 2 Poster on the principles of game management
- 3 Poster showing identification characteristics of an animal species
- 4 Plaster cast of a wild animal's tracks
- 5 Photo display of wild animals taken during a "camera hunt" (minimum of 4 photos)
- 6 Homemade decoy (duck, goose, turkey, etc.)
- 7 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 8 Any other display not listed above

### **Class K – Shot-gun**

#### Lot Numbers

- 1 Safety poster
- 2 Poster showing proper shooting stance
- 3 Scrapbook using photographs to show growth and development of member's skill (include shooting score cards)
- 4 Poster or display showing care and maintenance of a shot-gun
- 5 Poster showing the parts of a shot-gun
- 6 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 7 Any other display not listed above

### **Class L – Muzzle Loading**

#### Lot Numbers

- 1 Safety poster
- 2 Poster showing proper shooting stance
- 3 Scrapbook using photographs to show growth and development of member's skill (include shooting score cards)
- 4 Poster or display showing care and maintenance of a muzzle loader
- 5 Poster showing the parts of a muzzle loader
- 6 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 7 Any other display not listed above

### **Class M – Recycling**

#### Lot Numbers

- 1 Poster or display on benefits of recycling
- 2 A display on recycling of products
- 3 A map of your home and/or yard showing your waste reduction, recycling and composting efforts
- 4 Display of soil building with a description of how it works (use aquarium, terrarium, or large glass jar)
- 5 Written radio script or commercial on recycling
- 6 Display or poster illustrating ways member became more aware of the environment as a result of the project
- 7 Any other educational display on recycling not listed above