



**ATCP – 160.64 – NATURAL SCIENCES –
DEPARTMENT 16**

Judging: Thursday, 10:00 a.m. – Exhibition Hall

Natural Sciences Rules and Instructions

1. Fair Association is not responsible for exhibits lost or stolen.
2. Work to be eligible must have been made since first day after previous fair to exhibit.
3. Scrapbooks must not contain any commercial photographs or pictures.
4. Posters, display boards, should be 14"x22" or 22"x28" (should be appropriate for display) unless otherwise stated.
5. Include Identification Card with age & number of years in the project or written on back of poster.

Premiums \$ 2.00 \$1.75 \$ 1.50 \$ 1.25

CLASS A – FORESTRY

Lot

1. Individual exhibit of 15 or more leaves of native Wisconsin trees (properly labeled). Can be actual leaves, rubbings, or drawings.
2. Poster featuring cross section of tree with rings labeled to show interesting times in a tree's history.
3. Collection of 15 or more kinds of tree seeds, mounted and labeled.
4. Piece of handicraft work (Biltmore stick, firemaker, wastebasket, transport board, etc.)
5. Poster of five or more tree bark rubbings, with tree identified.
6. Display of equipment and explanation of the process of making your own paper from old paper (include sample)

7. Poster on Fire Prevention
8. Exhibit of any other phase of the project.

CLASS B – BIRDS

1. Bird watchers log of birds observed, summer or winter months.
2. Homemade bird house, attach 3x5 card explaining work/intended use
3. Homemade winter feeding station, attach 3x5 card explaining work and intended use.
4. Scrapbook of at least 10 Wisconsin birds – hand drawn explaining nest type, diet, nesting habits, etc.
5. Poster on migration of two birds
6. Display and identify the body parts of a bird and their functions.
7. Exhibit of any other phase of the project

CLASS C – WILDFLOWERS

1. Centerpiece/Flower arrangement using fresh or dried wildflowers
2. A homemade plant press with an explanation of how it's used
3. Poster/Display showing parts of a flower
4. A photographic collection of local wildflowers
5. A poster, model or photo story of the life cycle of a flowering plant
6. Poster on plant-related careers
7. Three properly mounted and labeled Wisconsin Wildflowers
8. Exhibit of any other phase of the project.

CLASS D – RECYCLING

1. A creative exhibit showing a new product (with a new use) invented from an old product
2. Poster/Display illustrating 5 recyclable materials and 5 non-recyclable materials
3. Poster on benefits of recycling.
4. Any other recycling project not listed above

CLASS E – SPORTFISHING

Level 1: Take The Bait (Grades 3-6)

1. Poster – Parts of a fish
2. Poster – Types of fish in your area
3. Poster – Types of bait
4. Poster – Types of fishing knots
5. Poster - Types of fishing tackle
6. Poster – Tackle box inventory check list
7. Poster - How to cast accurately
8. Poster – Differences between bobber and bottom fishing
9. Poster – Map of favorite fishing spot
10. Poster – Caring for your catch
11. Poster – Water cycle

Level 2: Reel In The Fun (Grades 7-9)

20. Poster – Selecting the right fishing knot
21. Poster – How to use a spinning rod and reel
22. Poster – How to cast a bait
23. Poster – How to cast a fly
24. Decorated lure or jig
25. Fly wallet
26. Artificial fly
27. Poster – Wisconsin fishing laws
28. Poster – Cooking a fish
29. Soda bottle trap
30. Mesh Net
31. Fish Senses
32. Exhibit of any other phase of the project

Level 3: Cast Into The Future (Grades 10 and up)

40. Poster – Parts of a fishing reel
41. Poster – Fishing reel maintenance
42. Poster – How to make artificial lures and flies
43. Poster – How to debarb and sharpen hooks.
44. Cedar wood lure
45. Refurbished rod and reel
46. Customized tackle
47. Display – Types of insects that fish like
48. Fishing related game
49. Sportfishing skillathon
50. Fishing trip plans or report
51. Fishing field journal
52. Water inversion experiment
53. Exhibit of any other phase of the project.

CLASS F – AIR RIFLE, AIR PISTOL AND .22 RIFLE

Lot

1. Poster on the proper care, maintenance and handling of a rifle or pistol
2. Poster identifying the parts of a gun and the purpose of each part (use 14”x22” poster)
3. Poster illustrating all of the different rifle/pistol sites (14”x22”)
4. Poster illustrating all four (4) rifle firing positions or all four (4) pistol firing positions
5. Poster/Exhibit showing types of shooting equipment and accessories
6. Poster and report of competitive experience (competition must have been held between last year’s fair and this year’s fair)
7. A shooting journal showing improvement in target progress and explaining the process that you used
8. Exhibit of any other phase of the project

CLASS G – AIR RIFLE TARGET SHOOTING

“Youth must meet minimum 4-H sponsored session requirements before they are allowed to shoot”

Held June 19, 9:00 a.m., at the range on Hwy 69, Monroe. Note: Targets shot at the contest must be

mounted on poster board 14”x22” and brought to the fair on Tuesday for display in order to collect premiums.

Air Rifle Target Shooting

1. Target Shooting Contest (Grades 3-5)
2. Target Shooting Contest (Grades 6-8)
3. Target Shooting Contest (Grades 9 and up)

CLASS H – AIR PISTOL TARGET SHOOTING

“Youth must meet minimum 4-H sponsored session requirements before they are allowed to shoot”

Held June 19, 9:00 a.m., at the range on Hwy 69, Monroe. Note: Targets shot at the contest must be mounted on poster board 11”x14” and brought to the fair on Tuesday for display in order to collect premiums.

Air Pistol Target Shooting

1. Target Shooting Contest (Grades 3-5)
2. Target Shooting Contest (Grades 6-8)
3. Target Shooting Contest (Grades 9 & up)

CLASS I - .22 RIFLE/TARGET SHOOTING

CLASS I - .22 PISTOL/TARGET SHOOTING

“Youth must meet minimum 4-H sponsored session requirements before they are allowed to shoot”

Held June 19, 9:00 a.m., Green County Rifle Range, Hwy 69, Monroe. Note: Score cards from the contest must be mounted on 11”x14” poster board and brought to the fair on Tuesday in order to collect premiums.

.22 Rifle

2. Target Shooting Contest, Iron Sights, Grades 6-8
3. Target Shooting Contest, Iron Sights, Grades 9 and up
4. Target Shooting Contest, Scope Sights, Grades 6-8
5. Target Shooting Contest, Scope Sights, Grades 9 and up

.22 Pistol

8. Target Shooting Contest (Grades 6-8)
9. Target Shooting Contest (Grades 9 & up)

CLASS J – SHOTGUN

1. Poster Illustrating and briefly explaining proper sight alignment for a shotgun
2. Poster identifying the parts of a shotgun and the purpose of each part (poster 14”x22”)
3. Poster illustrating the different shotgun sites (poster 14”x22”)
4. Homemade shell pouch

5. Poster describing the differences between shooting skeet/trap/clay pigeons
6. Exhibit illustrating “how to” clean and care for your shotgun
7. Exhibit of any other phase of the project

CLASS K – SHOTGUN TARGET SHOOTING
“Youth must meet minimum 4-H sponsored session requirements before they are allowed to shoot”

Held May 15, 9:00 a.m., Blackhawk Sportsman Range

1. Target Shooting Contest, Grades 6-8
2. Target Shooting Contest, Grades 9 and up

NOTE: Shotgun scorecards should be mounted on 11”x14” poster board and brought to the fair on Tuesday in order to collect premiums.

CLASS L – MUZZLE LOADING
“Youth must meet minimum 4-H sponsored session requirements before they are allowed to shoot”

Held June 19, 9:00 a.m., Green County Rifle Range,
 Hwy 69, Monroe

1. Target Shooting Contest, (Grades 6-8)
2. Target Shooting Contest (Grades 9 & up)

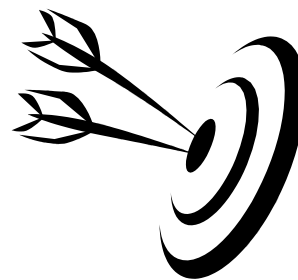
CLASS M – ARCHERY

1. Poster identifying parts of a bow and purpose of each (14”x22”)
2. Exhibit of homemade archery accessory or equipment (example: quiver, arm guard, finger tab, glove or bow case)
3. Poster illustrating different kinds of arrows (14”x22”)
4. Poster illustrating different kinds of bows (14”x22”)
5. Exhibit of drawings or pictures showing proper shooting techniques
6. Scrapbook explaining a bow hunting experience
7. Homemade bow rack or arrow holder
8. Exhibit of any other phase of project

CLASS N – ARCHERY TARGET SHOOTING F-T-F
“Youth must meet minimum 4-H sponsored session requirements before they are allowed to shoot”

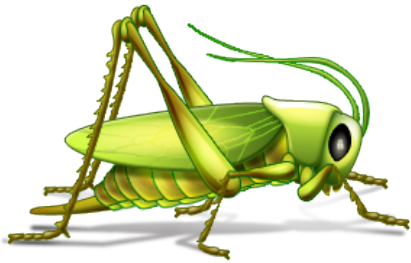
Held Saturday June 13, 9:30 a.m., SCWA 1009 18th Avenue, Monroe. Note: Targets shot at the contest must be mounted on 22”x28” poster board and brought to the fair on Tuesday for display in order to collect premiums.

1. **Archery Bare Bow:** Youth will shoot long bows, recurves, or compound bows without the aid of mechanical releases or sighting devices. (Sight brackets must be removed from bow, no peep or other string sights may be used. Must be shot using fingers.
2. Shooting Aid: Allowing the use of non-optical sights and stabilizers, no mechanical releases, must use fingers.
3. Archery Freestyle: Allowing any use of sights, any type of stabilizers, and any type of release can be used.
4. Arrows: Only target or field points are to be used. No hunting points.



Lot

11. Target Shooting Contest, Archery Bare Bow, Grades 3-5
12. Target Shooting Contest, Archery Bare Bow, Grades 6-8
13. Target Shooting Contest, Archery Bare Bow, Grades 9 and up
14. Target Shooting Contest, Archery , 1 Shooting Aid, Grades 3-5
15. Target Shooting Contest, Archery , 1 Shooting Aid, Grades 6-8
16. Target Shooting Contest, Archery, 1 Shooting Aid, Grades 9 and up
17. Target Shooting Contest, Archery, Freestyle, Grades 3-5
18. Target Shooting Contest, Archery Freestyle, Grades 6-8
19. Target Shooting Contest, Archery Freestyle, Grades 9 and up



CLASS O – DISCOVERING THE WORLD OF INSECTS

Lot F-T-F

1. Display of at least 20 kinds of insects from 9 Orders (properly identified), (more than 20 are allowed) open to Grades 3-8
2. Display of at least 30 kinds of insects from 9 Orders (properly identified), (more than 30 are allowed) open to Grades 9 and up
3. Poster/display on life cycle of two insects
4. Poster identifying parts of an insect
5. Exhibit on proper labeling of insects
6. Scrapbook of 10 Wisconsin insects, hand-drawn and properly labeled
7. Exhibit of an Insect Collection as part of a school project
8. One jar or one cake of honey comb to be between ½ to 1 lb.
8. Exhibit of any other phase of the project.

CLASS P – ADVENTURES F-T-F

Adventures Rule and Instructions

1. Open to members enrolled in Adventures project. Limit of 2 entries.

Open to members Grades 3-6
 Premiums \$ 2.00 \$ 1.75 \$ 1.50 \$ 1.25

- Lot
1. A written plan for a nutritionally sound menu for a group for lunch on a day hike
 2. A poster illustrating a set of written guidelines for selecting hiking shoes
 3. A simple day pack from plans or a kit
 4. A scrapbook of activities involved with a backpacking trip or hike
 5. Any piece of handmade backpacking equipment made by the exhibitor.
 6. Any other display exhibit related to this project

Open to members Grades 7-9

Premiums \$ 2.50 \$ 2.25 \$ 2.00 \$ 1.75

11. Poster based on library research that shows the calories needed to sustain a person of a given weight when hiking with a pack
12. A menu for a days hike
13. Poster showing guidelines for selecting a backpack or a sleeping bag
14. Poster illustrating how to pack a canoe so it is waterproof in a rainstorm
15. A display of camping gear items made by exhibitor
16. Any other display related to this project

Open to members Grades 10 and up

Premiums \$ 3.00 \$ 2.75 \$ 2.50 \$ 2.25

- Lot
21. A reflector oven made by exhibitor
 22. A display of dehydrated camping foods and their calorie content
 23. A display of orienting and map reading skills
 24. A display of items of camping gear the member has made
 25. Any other display related to this project



CLASS Q – WILDLIFE ECOLOGY/HUNTING

- Lot
1. Booklet (8 ½ x 11") identifying game birds and/or animals, including feeding habits and hunting regulations (minimum of 5)
 2. Hunting conservation poster (14"x22")
 3. Poster identifying the types of game you would hunt with a bow and their habitat (14"x22")
 4. Poster identifying 5 birds of prey with habitat description (14"x22")
 5. Scrapbook identifying 10 protected species and their habitat
 6. Camera Hunt of ten wildlife photos mounted on 14"x22" poster board
 7. Any piece of wildlife art for the home