

# Department 16 – Natural Science

## Rules

All posters shall be 14"x22" or smaller.

### Class A: Forestry

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Any herbarium or collection related to forestry				
102.	Any poster/display related to forestry				
103.	Map of woodlot with tree species identified				
104.	One pint of maple syrup				
105.	Any poster/display presenting the making of syrup				

### Class B: Fishing/Sportfishing

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster/display/collection any fish topic				
102.	Plaster cast of fish print properly identified				
103.	Display of how to tie at least 4 common fishing knots				
104.	Map of favorite fishing spot				
105.	Exhibit relating to fishing/boating safety				
106.	Handmade decorated lure or jig, artificial fly or fly wallet				
107.	A fish habitat improvement plan				
108.	Lure design plan/any type of lure or customized tackle				
109.	Collection of 5 or more water insects, mounted, identified. State which fish like them.				
110.	Boat safety checklist				
111.	Any other				

### Class C: Wildlife

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Resource map showing wildlife cover of a 40 acre area				
102.	5 plants important to wildlife food- pressed, mounted, identified				
103.	Wildlife habitat improvement plan				
104.	Poster of 10 game birds found in Wisconsin. Tell where found & principal food.				
105.	Chart or drawing of tracks of 10 game birds and animals				
106.	Map of wildlife area describing species living there				
107.	Plan of activities for wildlife area with timetable for completion				
108.	Journal of activities & observations of wildlife				
109.	Poster of plantings that describe how they help increase cover & provide food sources for wildlife				

- 110. Nest box – identify species to use it
- 111. Scrapbook or 15 fur-bearing animals found in Wisconsin, include pictures, descriptions, etc.
- 112. Any other

**Class CA. Taxidermy**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25

- 113. Any animal
- 114. Antlers &/or deer feet on board
- 115. Any tanned hide
- 116. Bird tail feather fan – mounted
- 117. Poster on “How to’s” for taxidermy
- 118. Any other

**Class D: Geology**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25

- 101. Collection of 12 specimens (rock, mineral, fossil) mounted and identified
- 102. Display of photos or drawings of 5 different landforms or rock formations with description of cause and effect
- 103. Display of polished rocks or handmade rock jewelry made by member
- 104. Display/poster illustration the geological history & development of a rock, mineral or fossil
- 105. Any other

**Class E: Getting to Know Birds**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25

- 101. Poster any bird topic
- 102. Diary any bird topic
- 103. Birdhouse/birdfeeder built by exhibitor
- 104. Drawings/photos of 10 identified bird nests
- 105. Display identifying 10 different bird eggs
- 106. Any other

**Class F: Wildflower Study**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25

- 101. Herbarium or collection of any wildflower or seeds
- 102. Mounted collection of 10 wildflower portraits, B&W or color, labeled
- 103. Single flower blossom (parts identified)
- 104. A plant pressing kit you have made

- 105. An exhibit of edible or medicinal plant uses
- 106. Exhibit showing design of a wildflower garden, identify varieties
- 107. Any other

**Class G: A Closer Look at Insects**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101. Poster/display any insect topic					
102. Insects mounted and identified					
10 for grades 3-5					
20 for grades 6-8					
30 for grades 9 and above					
103. Insect observation record					
104. Butterfly garden plants					
105. Any other					

**Class H: Bees and Honey**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101. Jar of honey from exhibitor's bees					
102. Honeycomb produced by exhibitor's bees					
103. Poster showing techniques & equipment used in honey production					
104. Any other					

**Class I: Water Quality**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101. Poster showing how water becomes contaminated					
102. Exhibit on testing drinking water					
103. Map of water study area. Identify components & conservation practices nearby (i.e. crop rotation, erosion, etc)					
104. Study of lake or stream for water quality, report findings and indications					
105. Any other					

**Class J: Weather**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101. Poster/display on any weather topic					
102. A 60-day journal of weather data					
103. Display of weather measurement instruments with 2 weeks records					
104. Any other					

**Class K: Recycling**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster/display any recycling topic				
102.	Paper made from recycled newsprint				
103.	Worm box				
104.	Any recycled item				

**Class L: Home Energy**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster/display any home energy idea or topic				
102.	Home energy survey				

**SHOOTING SPORTS SECTION**

**Class M: Archery**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster/display any archery topic				
102.	Handmade arrow/quiver/arm/finger guard				
103.	Display of bowstrings				
104.	Photo display of archery targets				

**Class N: Air Rifle, Shotgun, Muzzleloader**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster any firearm topic				
102.	Handmade firearm case				
103.	Collection of 20 different cartridges, mounted and identified				
104.	Any safety related poster/display				

**Individual Categories pertaining to Class N:**

Air rifle 3 position: Shooting at 10 meters with 10 shots from each of three positions: prone, kneeling, and standing. Total possible score 300. Target must be signed by a shooting sports leader. Only 0.177 call lead pellets may be used as ammunition. Open sights only, single shot fashion.

- 105. Ages 8-11
- 106. Ages 12-16
- 107. Ages 17-19

0.22 Caliber Rifle 3 position: 50 Ft. open sights, Shooting at 10 meters with 10 shots from each of three positions: prone, kneeling, and standing. Total possible score 300. Target must be signed by a shooting sports leader.

108. Ages 12-15

109. Ages 16-19

Scoped 0.22 Caliber Rifle 3 position: 50 Ft. Shooting at 10 meters with 10 shots from each of three positions: prone, kneeling, and standing. Total possible score 300. Target must be signed by a shooting sports leader.

110. Ages 12-15

111. Ages 16-19

**Class O: Hunting**

**Lot No.**

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
All lots	2.00	1.75	1.50	1.25

101. Illustrated report of actual hunting experience exhibitor has had-where you went, technique used, and results of your hunt

102. Map interpretation. Mounted, hand-drawn map showing landmarks in a hunting area.

103. Poster any hunting related topic

104. Any other exhibit on some aspect of hunting

**ADVENTURE SECTION:**

**Class P: Winter Travel – Cross Country Skiing/Snowshoeing**

**Lot No.**

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
All lots	2.00	1.75	1.50	1.25

101. Poster showing proper equipment and clothing for winter travel/winter safety

102. Map of cross-country ski trail or trip (label hills, etc)

103. Story or drawing of winter adventure you took/winter shelter you made

104. Handmade snowshoes/equipment or accessories for use on your adventure

105. An exhibit of a ski waxing kit or poster showing kit contents and use

106. Any other display

**Class Q: Camping**

**Lot No.**

	<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
All lots	2.00	1.75	1.50	1.25

101. Exhibit or basic first aid kit for family camping

102. Poster any camping example or topic

103. Picture story of camping trip you took

104. Homemade article of camp equipment

105. Display of knots used in outdoor activities

106. Field notebook

107. Any other exhibit

### **Class R: Camping Adventures**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster/display any camping adventure topic				
102.	Two different samples of homemade fire starters				
103.	Display of knots				

### **Class S: Canoeing**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster any canoe related topic				
102.	Journal of observations while on your canoeing adventure				
103.	A canoe or kayak trip plan-include route, equipment, clothing, food for your trip				
104.	Any other display				

### **Class T: Backpacking/Hiking**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Poster/exhibit any hiking or backpacking topic.				
102.	Exhibit of basic first aid for backpacking				
103.	Backpack trip plan				
104.	Journal of backpacking trip				
105.	Hiking trip plan (include list of items needed and their use)				
106.	Hiking journal				
107.	Homemade trail mix				
108.	Homemade compass				
109.	Winter survival plan				
110.	Tent repair kit				

### **Class U: Bicycling Adventures Project**

<u>Lot No.</u>		<u>Blue</u>	<u>Red</u>	<u>White</u>	<u>Pink</u>
	All lots	2.00	1.75	1.50	1.25
101.	Plan for a bike trip				
102.	Poster exhibit any bicycling topic				
103.	Journal about a bicycle rodeo you planned and carried out				
104.	Journal of bike trip and observations/bike adventure/other biking event.				
105.	Photo display of bike trip				
106.	Bike adventure scrapbook/journal				
107.	Report on a group ride				