

Department 16 Natural Resources & Environmental Education

Regular or Danish Judging System

NATURAL RESOURCES & ENVIRONMENTAL EDUCATION

1. Exhibitor is required to carry project which he or she is exhibiting in respective youth organization.
2. All posters to be no smaller than 11"x14" or larger than 14"x22".

See current rule book for entry due dates, rules, and judging schedule.

Premium Schedule – All Classes: Blue - \$2.50 * Red - \$2.25 * White - \$2.00 * Pink - \$1.75

Class A – Forestry Project One – Grades 3-5

Lot Numbers, Class A:

1. From a cross section of a tree, give tree's age and list important dates that occurred throughout that tree's life. Include your birth date.
2. A collection of 15 native tree seeds mounted and identified.
3. Make a simple forest map showing the location of the evergreens and hardwoods in a small block of woods.
4. Make a poster of one or more tree parts and the organisms that live there.
5. Make a transpiration demonstration/display with your observation notes.
6. Draw the ideal tree you would create and label each special feature.
7. Display a 1-3 year old tree you planted yourself from seed.
8. Any self-determined project not listed above.

Class B – Forestry Project Two – Grades 6-8

Lot Numbers, Class B:

1. Examples of 5 species of wood commonly burned in fireplaces and list advantages of one over the other.
2. Photo display of various types of logging equipment and explanation of how it was used.
3. Map showing where you planted trees and a report on why you planted them and their potential use.
4. Diagram the cross section of a leaf showing the major layers and any other structures.
5. Make a map of Wisconsin showing the location of State Forest, your home and a favorite outdoors place.
6. Make a display of actual damage caused to trees by insects, humans and animals.
7. Make a list of 20 words and their definitions relating to trees and their parts with each word starting with a different letter.
8. Any self-determined project not listed above.

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Class C – Forestry Project Three – Grades 9+

Lot Numbers, Class C:

1. A collection of 15 native tree seeds, mounted and identified.
2. Mount and identify 20 wood specimens of different native trees.
3. Poster showing Christmas tree production from beginning to end.
4. Display or poster showing the life cycle of a problem insect or disease. Include possible control methods.
5. Scrapbook on career opportunities related to forestry.
6. Poster showing layout of a trail for snowmobiling, horseback riding, trail bikes, backpacking, cross country skiing or design your own – showing reasons.
7. Make a forest map showing the location of shrubs and understory in a small block of woods.
8. Make a display of 8 different tree leaves and describe how to identify them.
9. Calculate the amount of lumber you can get from three different trees. Show your calculations.
10. Use dead trees to make a display of five different types of bark and identify them. Next to each, draw a silhouette of the mature tree.
11. Interview a logger and a forest preservationist. Type one half page or less in 12 point type size, summarizing each person's opinion. Then type one half page summarizing your opinion.
12. Make and label a display of five different recycled or reused forest products.
13. Any self-determined project not listed above.

Class D – Maple Syrup

Lot Numbers, Class D:

1. Maple syrup, half pint or one pint (Syrup will be opened, tasted, and disposed of at close of fair.)
2. A drawing or series of photographs showing correct maple syrup making procedures
3. Any self-determined project not listed above.

Class E – Wildlife Management

Lot Numbers, Class D:

1. Mount and identify 10 plants which provide food and/or cover to wildlife.
2. Poster or scrapbook of two endangered wildlife species found locally; identify and tell how to increase their population.
3. Construct a squirrel or wood duck nesting box.
4. Poster or scrapbook of 7 game animals commonly hunted in Taylor County.
5. Poster or plaster cast of 10 different wildlife tracks, identified.
6. Poster exhibiting five different predators found in Taylor County, identified.
7. Wildlife food and cover map of your Nature Space area, labeled with plant species and animal types.
8. Display of economic and aesthetic value of wildlife.
9. Display consisting of wildlife cover map of your farm or yard showing plans for improvements and which ones you started.
10. Display consisting of map and pictures showing what you did to make a butterfly or caterpillar garden – naming the plants and butterfly and caterpillar species.
11. Photographs of nests of 4 birds with species of birds and location of nests attached.
12. Scrapbook of 10 species of birds; include pictures, habitat, foods and life cycle.
13. Display of 3 native game birds and their habits.
14. Rustic Bird House for a Blue Bird.
15. Birdfeeder constructed any material.
16. An exhibit of 5 aquatic plants, labeled.
17. Scrapbook of life in a pond, creek or lake using pictures, drawings and written observation.
18. Scrapbook of self determined project – include goals for the current year, long term goals, record work on each goal, self evaluation of all work.
19. Any self-determined project not listed above.

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Class F – Wildlife Flower Project

Lot Numbers, Class E:

Beginner – Grades 3-9:

1. Homemade plant press.
2. Collection of 10 different unprotected Wild Flowers, pressed, mounted, and properly labeled.
3. Scrapbook on your Wild Flower project activities.
4. Photographs taken by exhibitor of 12 Wild Flowers including at least 1 protected by law, labeled with common and proper names.
5. Any self-determined project not listed above.

Advanced – Grades 10+:

6. Collection of 12 different unprotected Wild Flowers, pressed, mounted and properly labeled.
7. Scrapbook of your Wild Flower project activities.
8. Photographs taken by exhibitor of 15 Wild Flowers including at least 3 protected by law, labeled with common and proper names.
9. Collect, mount and label at least 15 kinds of unprotected Wild Flower seeds that show various adaptations to dispersal by wind, water, birds, or mammals.
10. Collect a single blossom from an unprotected Wild Flower and label all the parts.
11. Poster or scrapbook showing the life cycle of a plant, using pressed specimens to show each stage.
12. Any self-determined project not listed above.

Class G - Natural Science & Environmental Education and Adventures, Shooting Sports

Lot Numbers, Class F:

1. Poster identifying the parts of a gun and the purpose of each part. No clippings. Draw or trace.
2. Display showing the parts of center fire cartridge, rim fire cartridge, and shotgunshell, and the purpose of each.
3. Exhibit showing the observance, and/or disregard, of the ten commandments of firearm safety.
4. Exhibit showing proper firearm handling in the field, transporting, and storage.
5. Poster showing the four shooting positions and the advantages and disadvantages of each.
6. Display of 15 different cartridge casings, correctly labeled and identified.
7. Scrapbook identifying 5 Wisconsin game animals with notes on feeding habits, habitat requirements, and state laws regulating hunting.
8. Scrapbook identifying 5 Wisconsin game birds with notes on feeding habits, habitat requirements, and state laws regulating hunting.
9. A display of two Wisconsin game birds (feathers) and two Wisconsin game animals (piece of fur), all identified.
10. Scrapbook of hunting experience including: license, results, examples of following safety practices and game laws, and personal memories.
11. Collection of 15 targets, 5 at 25 feet, 50 feet, and 100 feet. Label each target with date, type of firearm, and with or without scope.
12. Display identifying the parts of a recurve bow and compound bow, and the purpose of each part. No clippings. Draw or trace.
13. Poster identifying the parts of an arrow and the purpose of each part. No clippings. Draw or trace.
14. Poster showing care for game after the kill and preparing it for the table. Draw, trace or photos.
15. Poster showing proper cleaning and the care of both gun and its ammunition. Draw, trace or photos.
16. Poster showing trapping procedures and care of pelts.
17. Self-determined project not listed above.

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Class H – Insect Project

Lot Numbers, Class G:

1. 20 common insects mounted and identified – first year member only.
2. 40 common insects mounted and identified – second year and over members.
3. Collection of 3 or more nest building insects, identified.
4. Collection contrasting differences between 10 insects (identified) found near lakes, rivers or ponds and 10 insects (identified) found in fields.
5. Display of leaves, showing 8 different types of insect damage, all samples identified by insect and type of damage.
6. Collection contrasting differences between 10 day insects (identified) and 10 insects (identified) collected during the night.
7. Jar of honey.
8. Exhibit of honey comb.
9. Exhibit showing how to preserve bees over winter.
10. Collection of 10 harmful insects identified with explanation.
11. Collection of 10 beneficial insects identified with explanation.
12. Any self-determined project not listed above.

Class I – Recycling Project

Lot Numbers, Class H:

1. An exhibit showing natural cycles (water, nutrient, etc.).
2. An exhibit showing renewable and nonrenewable resources.
3. A display on recycling of products.
4. A poster showing how to recycle or the importance of recycling.
5. A home/farm recycling exhibit.
6. An article made from discarded materials.
7. Photo exhibit of recycling activity you participated in.
8. A piece of paper you made.
9. Model of a landfill.
10. Any self-determined project not listed above.

Class J – Outdoor Adventures Unit One – Grades 3 – 5, Includes Hiking Trails, Canoeing & Bicycling

Lot Numbers, Class I:

1. Using a poster, make a map for a day hike showing distance, landmarks and snack and parking spots.
2. Using a poster, make and fill a day hike planning checklist.
3. Make a poster of essential gear for a day hike. Put a check mark next to the items you used.
4. Draw and identify three animal tracks you saw on your day hike.
5. Make a display of a first aid kit you take on day hikes.
6. Poster or display showing three plants with their common names, you saw on your day hike that you didn't know before. Describe the environment where they were found.
7. Make a display of food and the amount of water each person should bring along for a day hike.
8. Make a poster of the "Leave No Trace" principles.
9. Poster of a canoe showing the names of all parts.
10. Show a map of a half day canoe trip with the parking, put-in and landing sites shown.
11. Show a picture of a bicycle with the parts labeled.
12. Any self-determined project not listed above.

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Class K – Outdoor Adventures Unit Two – Grades 6 – 8 Includes Camping, Canoeing & Bicycling

Lot Numbers, Class J:

1. Make a poster sized plan for an overnight camping trip.
2. Make a display of essential items for a camping first aid kit describing use of each.
3. Make a two-day menu for a family camping trip with recipe cards for main entrees.
4. Make a poster of the “Leave No Trace” principles.
5. Make a poster-sized check off group gearlist for a two day campout.
6. Make a display showing six knots you can use while camping and describe what each knot is best for.
7. Make a poster or use a model of a canoe to show the names and functions of all parts.
8. Make a drawing of a canoe in the water showing proper packing for a longtrip.
9. Make a poster with a photo of a trickbike, mountain bike, touring bike and racing bike.
10. Make a diagram showing the equipment and methods used to fix a flat tire while on a bike ride.
11. Any self-determined project not listed above.

Class L – Outdoor Adventures Unit Three – Grades 9 and Older Includes Backpacking, Camping, Canoeing & Bicycling Expeditions

Lot Numbers, Class K:

1. Show a poster sized trip plan for a five day backpacking expedition.
2. Display a topographic map showing part or all of a backpacking trip route with miles, campsites, water sources and compass directions labeled.
3. Show a list of essential gear for a five day backpacking trip and how the items will be used.
4. Make a poster sized diagram showing how to pack a back pack.
5. Make a display of a backcountry first aid kit.
6. Make a teaching poster of the “Leave No Trace” principles and how you would use them in three different environments.
7. Draw and describe a three month exercise program to prepare for a five day backpacking expedition.
8. Show a poster sized menu for a five day backpacking expedition.
9. Draw or display three ways, with directions, to have safe drinking water for five people for a five day backpacking expedition.
10. Make a poster of three different canoes showing the differences including the parts, structure and materials used to build it.
11. Show a map of a three to five day canoe trip in a wilderness area with camp sites, rest areas, portages, lunch stops and parking sites.
12. Draw a solo white water canoe, a tandem canoe and a touring kayak with parts named and functions shown.
13. Make a poster sized three to five day canoe trip gear list with a series of five photos showing actual gear with check off list.
14. Make a display of five different canoe or kayak life jackets showing the different features.
15. Show a map of a 100 mile bike tour showing the parking areas. Lunch and camping sites with mileage and times indicated.
16. Show a touring bike properly load for a multiday tour. Name the parts specifically important for long distance touring and describe their function.
17. Any self-determined project not listed above.

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Class M – Sport Fishing

Can use posters, lists, etc.

Lot Numbers, Class L:

1. Parts of a fish
2. Types of fish in your area
3. Fish Print
4. Types of bait
5. Types of fishing tackle – display
6. Fish ID – 6 common Wisconsin fish
7. Map of favorite fishing spot
8. Completed member guide
9. Decorated lure or jig
10. Artificial fly
11. Soda bottle trap
12. Parts of a fishing reel
13. Cedar wood lure
14. Refurbished rod & reel
15. Types of insects that fish like
16. Angling ethics
17. Instructions on how to fillet a fish
18. Journal of a fishing trip