

Department 16 – Natural Resources and Environmental Education

521, 522, 523, 601,602,605A, 605B, 605C, 606,611,612A, 612B, 612C,
613, 614, 615, 522, 523), 621,622,623,631,632,633,634,635,636,645,651,681,682,683
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Requirements:

1. Youth eligible to exhibit in this department are those enrolled in a 4-H Natural Science project or other youth groups carrying a similar program as their supervised program.
2. Collections must be mounted on 14" x 22" sized stiff backing material such as cardboard, tag board, plywood, hardboard, and others. Collection must be titled and dated. Specimens in collection should be labeled with name, where collected, and date of collection. This includes collections of photographs.
3. Posters must be 14" x 22" in size. Posters should be titled, labeled, and contain descriptive information as necessary to convey the desired message.
4. Scrapbook--will be 8 ½" x 11" or 12" x 12". Pictures and sketches are encouraged and the scrapbook should describe the work done in the project.
5. Collection of specimens of state or federally protected or endangered plant species and bird nests are not allowed.
6. Entries in this Department may be removed after 8:00 p.m. on Sunday.

PREMIUMS	<u>1st</u>	<u>2nd</u>	<u>3rd</u>	<u>4th</u>
CLASS A, B, D, H, I, J, K, L, M, P, Q, R, S, T, U, V, W	2.00	1.75	1.50	1.25
CLASS F, N, X	2.50	2.25	2.00	1.75
CLASS C, E, G, O	3.00	2.75	2.50	2.25

NATURESPACE - Project Codes 601-606

CLASS A--INTRODUCTION TO NATURESPACE-Project Code 601

Lot Nos.

1. An inventory of plant and animal species found in your naturespace. The inventory can be done creatively using drawings, photographs, listings, etc.
2. Any collection (minimum of 15) that demonstrates the population parts of your naturespace.
3. Any exhibit that shows the habitat improvement that has occurred in your naturespace.
4. A poster that explains or demonstrates the concept of habitat.
5. Any display, exhibit or poster that explains or demonstrates the concept of ecosystems.
6. A scrapbook of snapshots, drawings, observations and measurements that show your naturespace and how it changes throughout the four seasons.
7. Any other item not listed above.

CLASS B--GETTING TO KNOW BIRDS - Project Code 602

GRADE 3-8

8. A simple birdhouse made from any material, with description of kind of bird it was designed for and use
9. Scrapbook on 10 species of birds of Wisconsin. Include pictures, habitat, foods and life cycle.
10. Scrapbook on your bird study project activities.
11. Any other item not listed above.

CLASS C--GETTING TO KNOW BIRDS--Project Code 602

GRADES 9 & up

12. A bird feeder made from any material, with a description of types of feed used and birds attracted.
13. A bird house of your own construction, from any material with description of species it is designed for, where it is to be located and life cycle of the bird it is designed for.
14. Collection of twig, leaf, and fruit specimens from trees or shrubs that provide food for birds.
15. Scrapbook on your bird study project activities
16. Any other item not listed above.

CLASS D--A CLOSER LOOK AT TREES - Project Code 605

GRADES 3-8

17. Collection of leaves, of 10 different important species of trees. Do not include fruit trees.
18. Labeled chart or diagram showing the annual life cycle of a deciduous tree.
19. Diagram of a tree with parts labeled.
20. Diagram of the cross section of a tree trunk with the parts labeled.
21. Photos or pictures of 10 trees and listing of uses for each individual tree.
22. Any other item not listed above.

CLASS E--A CLOSER LOOK AT TREES - Project Code 605

GRADES 9 & up

23. Collection of leaves, of 20 different important species of trees. Do not include fruit trees.
24. Collection of lumber specimens from 10 important Wisconsin forest trees.
25. Scrapbook of leaf prints from 15 species of Wisconsin trees, labeled.
26. Collection of seeds of 15 species of Wisconsin forest trees, labeled.
27. Photos or pictures of 20 trees and listing of uses for each individual tree.
28. Homemade Biltmore Stick and Height Estimating Stick with the Merritt Hypsometer on reserve side.
29. Ten seeds of trees without hulls, identified with common and scientific name.
30. Scrapbook on your woodlot management project.
31. A labeled display of photographs of a visit to a sawmill, veneer mill or other wood-using industry.
32. Scrapbook on your tree propagation project.
33. Scrapbook with map of your woodlot and the management practices, photographed and explained.
34. Poster or diagram describing procedure for tapping trees
35. Scrapbook on your maple products project
36. Plate of 5 pieces of maple sugar or candy
37. One pint of maple syrup produced in your project. Must be in a glass container. May be opened and tested.
38. Eight photos of "syrup making in our woods".
39. Any other item not listed above.

CLASS F--WILDFLOWERS - Project Code 606

GRADES 3-8

40. Homemade plant press
41. Collection of 15 different wildflowers--pressed, mounted, and properly labeled.
42. Scrapbook on your wildflower project activities
43. Photographs of 12 wildflowers, including at least 1 protected by law, labeled with common and proper names
44. Any other item not listed above.

CLASS G--WILDFLOWERS - Project Code 606

GRADES 9 & up

45. Collection of 25 different wildflowers—pressed, mounted, and properly labeled
46. Collection of seeds of 15 different wildflowers, mounted and properly labeled
47. Scrapbook on your wildflower project activities
48. Photographs of 18 wildflowers, including at least 3 protected by law, labeled with common names.
49. Any other item not listed above.

ADVENTURES - Project Codes 611-615

CLASS H--INTRODUCTION TO ADVENTURES - FAMILY CAMPING, Project Code 611

1. Poster showing some safety hazards and precautions to take while camping
2. Poster on selecting basic camping equipment
3. Scrapbook on your camping project activities

CLASS I--BACKPACKING, Project Code 612

4. Poster, chart, display or scrapbook on backpacking safety
5. Poster, chart, display or scrapbook on care and maintenance of backpacking equipment
6. Other poster, chart, display or scrapbook on the backpacking project

CLASS J--WINTER TRAVEL, Project Code 613

7. Poster on safety in cross country skiing
8. Poster showing parts of ski with proper labels
9. Poster on proper clothing and equipment
10. Scrapbook on your cross country skiing project activities

CLASS K--CANOEING, Project Code 614

11. Poster, chart, display, or scrapbook on canoeing safety
12. Poster, chart, display or scrapbook on care and maintenance of canoeing equipment
13. Other poster, chart, display or scrapbook on the canoeing project

CLASS L--BICYCLING, Project Code 615 & 521

GRADES 3 and up

14. Poster, chart, or display on types of bicycles, past and present
15. Poster, chart, or display on bicycle parts
16. Poster, chart, display on steps in care and maintenance of bicycle
17. Poster, chart, display or scrapbook on bicycling safety
18. Poster, chart, display or scrapbook on bicycling equipment
19. Other poster, chart, display or scrapbook on the bicycling project

ENTOMOLOGY - PROJECT CODE 621-623

CLASS M--CREEPY CRAWLERS, Project Code 621

GRADES 3-5

Lot Nos.

1. Display of insect body parts
2. Pitfall insect trap
3. Insect observation record
4. Model of an insect's eye
5. Display on types of insect control in the home
6. Insect collection, 15 mounted and identified
7. Display on animals and plants that eat insects

CLASS N--WHAT'S BUGGING YOU? Project Code 622

GRADES 6-8

8. Poster on how insects use color for defense
9. Insect collection or observation records
10. Insect trap
11. Display on entomology careers
12. Insect collection, 20 mounted and identified
13. Poster on proper insect pinning techniques
14. Report on insect experiment
15. Poster on insect metamorphosis
16. Display of insect leg parts
17. Display of various types of insect legs
18. Insect extractor
19. Insect separator
20. Poster on understanding insect pesticide labels

CLASS O--DRAGONS, HOUSE & OTHER FLIES, Project Code 633

GRADES 9 & up

21. Insect collection, 25 or more, mounted and identified
22. Report on an insect experiment
23. Insect key
24. Butterfly garden plans
25. Display of insect mouth parts
26. Display of various types of insect mouths
27. Mosquito rearing/observation chamber
28. Spider web display
29. Display of insect wings, parts
30. Display of various types of insect wings
31. Insect journal
32. Any other not listed above

SHOOTING SPORTS - Project Codes 631-636

Requirements:

1. Open to members enrolled in Shooting Sports for the current year.
2. No live ammunition, gunpowder, primers, bows or firearms allowed.
3. All posters must be 14" x 22".

CLASS P--BASIC ARCHERY - Project Code 631

CLASS Q--BASIC PISTOL - Project Code 632

CLASS R--BASIC RIFLE - Project Code 633

CLASS S--BASIC HUNTING - Project Code 634

CLASS T--BASIC SHOTGUN - Project Code 635

CLASS U--BASIC MUZZLELOADING - Project Code 636

Lot Nos.

1. Educational poster on general gun or firearm safety
2. Education poster on various types of gun or firearm ammunition
3. Educational poster on the proper care and maintenance of a gun
4. Educational poster on the parts of a gun

5. Educational poster on the various types of guns or firearms
6. Educational poster relating to Wisconsin hunting laws
7. Educational poster on the principles of game management
8. Educational poster on the parts of a bow and arrow equipment
9. Educational poster or display on bow and arrow equipment
10. Educational poster on bow and arrow safety
11. Any other educational display relating to shooting sports not listed above such as bow string, quivers, shooting glove, targets, etc.

CLASS V--RECYCLE FOR REUSE - Project Code 645

1. Display nature's recycler--labeled drawings, pictures, or photographs
2. Exhibit renewable and nonrenewable resources
3. Exhibit daily, weekly, or annual amount of waste generated by an individual
4. Display on recycling of products
5. Display or poster showing how to recycle or the importance of recycling
6. Display or exhibit on how to compost
7. A poster, series of labeled photos, scrapbook, journal or video documenting your recycling, waste reduction, or recycling education efforts

CLASS W--WATER - Project Code 651

1. Poster, chart, display or scrapbook on identifying water conservation and pollution issues in your community, such as, parks, playgrounds, community centers and waterways.
2. Poster, chart, display or scrapbook on identifying water conservation and pollution issues on farms, such as, home wells, livestock waste, soil conservation and stream bank management.
3. Poster, chart, display or scrapbook on identifying water conservation and pollution issues in homes, such as, lawn and garden maintenance, water usage and conservation and hazardous waste disposal.
4. Poster, chart, display or scrapbook on identifying water conservation and pollution issues in schools, such as, water usage and conservation.

CLASS X--SPORTS FISHING - Project Code 681, 682, 683

Tips of hooks on exhibit must be covered with either Styrofoam, putty, a drop of glue, etc., for safety.

Lot Nos.

1. Poster identifying 6 types of live bait – list fish most likely to be attracted to bait.
2. Poster identifying 6 types of artificial bait or lures – list fish most likely to be attracted to bait.
3. Poster identifying 6 different species of Wisconsin game fish.
4. Poster on outdoor safety tips for fishing and boating.
5. Poster illustrating four different types of reels.
6. Poster illustrating different equipment used for ice fishing.
7. Poster identifying parts of a fish hook.
8. Homemade ice fishing tip-up.
9. Homemade ice fishing jig-pole.
10. Homemade worm box.
11. Fish print with ink.
12. Plastercast of fish.
13. Story of a fishing experience this year. Photos may be included.
14. Poster of external fish anatomy.
15. Poster identifying and displaying by size, 10 different fish hooks.
16. Homemade fish scaler.

17. Styrofoam or cardboard easel (8 ½" x 11") identifying and displaying 8 homemade tied flies—explain materials used for each.
18. Poster identifying parts of a row boat.
19. Scrapbook incorporating member's record book pictures and story related to Fishing project.