

G-773-260 Basil	5	G-773-265 Parsley	5
G-773-261 Dill (dry)	5	G-773-266 Sage	5
G-773-262 Garlic (bulbs)	5	G-773-267 Thyme	5
G-773-263 Mint	5	G-773-268 Any Other Herb	5 (Do not duplicate entries in classes 260-267)
G-773-264 Oregano	5		

G-773-269 4-H Herb Garden Display of 5 different herbs. Displayed in a box or other holder not more than 18" in any dimension. Boxes may not be returned from State Fair. Each herb in the collection should be exhibited with the number specified for classes 260-268. Do not duplicate entries in classes 260-268 with any in the group collection.

Fruits

Fruit will be judged using the same general criteria used for vegetables. Fruit will be judged for the stage of maturity normal for that season and growing location. Emphasis will be placed on how well fruit approaches market quality. Classes 280-286 Scoresheet SF108

G-773-280 Strawberries (everbearers)	1 pint
G-773-281 Grapes	2 bunches
G-773-282 Apples	5
G-773-283 Pears	5
G-773-284 Wild Plums	1 pint
G-773-285 Other small fruit or berries	1 pint (Do not duplicate entries in classes 280-284)
G-773-286 Other fruit or nuts	5 (Do not duplicate entries in classes 280-284)

Educational Exhibits

G-773-290 Garden Promotion Poster

Individual poster promoting vegetable and/or herb gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium so long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be paper clipped to the upper right hand corner. The 4-H member's name, age, full address, county, and years in project(s) must be on the back of the poster. Scoresheet SF103

G-773-291 Educational Vegetable or Herb Garden Poster

Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-H'er has done or learned about in a 4-H vegetable gardening project. One might show a special technique used or equipment incorporated in your garden (e.g. drip irrigation system, composting, or special techniques learned). Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be paper clipped to the upper right hand corner. The 4-H member's name, age, full address, county, and years in project(s) must be on the back of the poster. Scoresheet SF104

G-773-292 Vegetable and/or Herb Gardening History Interview - Neatly handwritten or typed account of a gardening history interview of someone whose vegetable or herb garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, full address, county, and years in project(s) must be on the back of the report cover. Scoresheet SF105

G-773-293 Vegetable Seed Display - Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families, plus representatives from 5 other families. Group the seeds by family and type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster mat board no larger than 22" x 24". Label each group and each individual vegetable type with the common and scientific names. Use only one variety or cultivar of each vegetable, except for beans where several examples of beans may be shown. Attach a card to the back of the display explaining why and how it is important to know which vegetables are related, and cite references on where the scientific name information was found. The 4-H'er's member's name, age, full address, county, and years in the project(s) must be on the back of the display. Information on vegetable family members can be obtained from your Extension office. Scoresheet SF101

G-773-294 World of Vegetables Notebook - Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g. Mexican, African, Chinese, Italian, etc.) Include a report telling about a minimum of 5 vegetables and/or herbs from each country chosen. Include the scientific and common names; pictures of the plants from your garden or seed catalogs; tell how they are grown; and how the foods are used. Also list a source for buying the seed or plants.

Favorite recipes using some or all of the vegetables described may be included. Give proper credit by listing the source of pictures and information used. Protect in a clear report cover or 3-ring notebook. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the report cover or notebook. Scoresheet SF102

Division 775 - Special Garden Project

Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

Youth must be enrolled in the 2022 Special Gardening Project to exhibit. This year it is focused on the Rubenza Cosmos.

G-775-001 Special Garden Project Educational Exhibit - Educational exhibit based on what was learned from the project. Present information on a poster 14" x 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, full address, and county must be on the back of the poster or report cover. Scoresheet SF109

G-775-002 Special Garden Project Fresh Cut Flowers or Harvested Vegetables - The current years' Special Garden Project fresh cut flowers or harvested vegetables should be entered in this class. Refer to classes 001-045 for quantity to exhibit if special garden project is a fresh cut flowers. Score Sheet SF106. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. Scoresheet SF108

DEPARTMENT D – FORESTRY

This category provides 4-H'ers an opportunity to prepare displays that show their expertise in many aspects of forestry. Involvement in this category will lead to expansion of seed, twig, wood, leaf, and tree knowledge for 4-H'ers. In addition, participants will learn more about common Nebraskan trees. For more information about tree classification visit this website https://4hcurriculum.unl.edu/index.php/main/program_project/65.

Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

Division 320 – Forestry

The official reference for all forestry projects is "Tree Identification Manual" (4-H 332 revised) which was recently revised and is available for purchase from UNL Marketplace. <http://marketplace.unl.edu/ne4h/4h332.html>. Other helpful forestry references include Trees of Nebraska (EC 92-1774-X), Leafing Out (4-H 431) <https://marketplace.unl.edu/ne4h/leafing-out.html>, and Plant a Tree (EC 17-11-80).

Display "boards" must be made from wood or wood composite, e.g., plywood, fiberboard or masonite, 1/4" to 1/2" thick and no larger than 24" x 24". Display boards may be coated, e.g. painted or varnished on both sides, to prevent warping.

Display "posters" must be made from a material, e.g. foam board or posterboard that will stand upright without buckling and be no more than 24" x 24".

Display "books" must measure no more than 16" x 16".

At least 5 of the 10 samples in Class 2, 3, 4, and 5 must be from the list of 60 species described in 4-H 332. Samples must be from 10 different tree species. For example, Emerald Queen Maple and Crimson King Maple are both varieties of the same species (Norway Maple) and thus have the same genus and species name, i.e. *Acer platanoides*. All samples must be from trees, NO shrubs. If more than 10 samples are included in the display, only the first 10 samples from the current year will be judged.

Due to emerald ash borer infestation, no true ash species (Green Ash, White Ash, Black Ash, or Blue Ash) may be included in any collections. Inclusion of a true ash species will result of the project being disqualified.

Remember that other general labeling standards apply. For example, scientific names are always italicized or underlined. Also, the first letter of a Genus name is always capitalized. The first letter of a species name is always lowercase. When required, always indicate complete scientific names (Genus and species) and common names, (e.g. Norway Maple) even when "variety names" are included. For example, the scientific name of Emerald Queen Maple is *Acer platanoides* and the common name is Norway Maple. "Emerald Queen" may be included as the variety name, but variety names are not required.

How well the exhibitor follows written directions is an important factor in judging. Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hforestry>.

D-320-001 Design-Your-Own Exhibit - Prepare an educational exhibit about some aspect of trees, forests or forestry that is of special interest to you. Possible topics include paper recycling, wildfire, forest products, forest wildlife, or forest pests. The only requirement is that the display must be no

larger than 24"x 24"x 24". Photographs, drawings, samples, charts, posters, etc. can be used but, include enough information to adequately explain the topic. Your display should be substantially different from other display classes. Be as creative as you like.

D-320-002 Leaf Display - The leaf display must include samples of "complete leaves" from at least 10 different tree species. The display must include at least two samples each of simple leaves and compound leaves, and conifer leaves. Leaves should be pressed, dried and mounted.

Collection: Whenever possible, collect leaves from mature trees. Collect leaves any time after they have reached full size, usually beginning in early summer. Leaf samples should be in good condition, representative of the average leaves on the tree. Keep in mind that shaded leaves are often much larger than normal. Carefully remove leaves from the twig with the entire petiole or rachis intact. After collection, fresh leaf samples can be temporarily stored within the pages of an old magazine, but they should be properly pressed and dried for display. Be sure to record pertinent information during collection. All collection must be done by the exhibitor.

Mounting: Leaves may be displayed in a notebook or on a display board. Any method may be used to mount leaves, e.g. wire, glue, tape, staples, plastic bags, but be sure all their features can be clearly identified.

Labeling: The label for each sample must include:

- 1) common name
- 2) scientific name
- 3) leaf type
- 4) leaf arrangement (for broadleaf trees)
- 5) leaf composition (for broadleaf trees)
- 6) collector's name
- 7) collection date
- 8) collection location (be specific, state and county at a minimum)

If a twig is included with a sample, indicate "twig included" on the label. For example, the twig may be included with an eastern cedar sample because the leaves are very small and difficult to remove from the twig.

Supplemental information: e.g. general uses, common products, fall color, etc. may be included to enhance its educational value.

D-320-003 Twig Display - The twig display must include twig samples from at least 10 different trees species. The display must include at least two samples of opposite and alternate leaf arrangements from broadleaf trees.

Collection: Twig samples should be collected during the dormant season (November - April) when the buds are mature. Twig samples must be at least 6 inches long and exhibit buds. Leaves must be removed and side branches must be trimmed to less than 1 inch in length. All collection must be done by the exhibitor.

Mounting: Twigs must be mounted on a display board. Any method, e.g. wire, glue, tape, staples, plastic bags, may be used to mount twigs, but be sure all features can be clearly identified. The non-terminal end must be cut at a slant so the pith can be seen.

Labeling: The label for each sample must include:

- 1) common name
- 2) scientific name
- 3) leaf arrangement (for broadleaf trees)
- 4) collector's name
- 5) collection date
- 6) collection location (be specific, state and county at a minimum)

Supplemental information: e.g. general uses, tree characteristics, etc. may be included to enhance its educational value.

D-320-004 Seed Display - The seed display must include seed samples from at least 10 different tree species.

Collection: Tree seeds should be collected at the time of year when they mature, which varies widely depending upon tree species. For example, Silver Maple seeds mature in May while Red Oak acorns do not mature until September. Seed samples should be free of insect or disease symptoms. Remember to display seeds, not fruit. For example, the seed of honey locust is enclosed in a pod. Remove and display the seed, not just the pod. It is acceptable to display the fruit with the seed, but clearly label each. All collection must be done by the exhibitor.

Mounting: Seeds may be displayed in a variety of ways, e.g. mounted on a display board, displayed in jars in a rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.

Labeling: The label for each sample must include:

- 1) common name
- 2) scientific name
- 3) type of fruit, if known (e.g. samara, pod, nut, legume, etc.)
- 4) collector's name
- 5) collection date
- 6) collection location (be specific, state and county at a minimum)

Supplemental information: e.g. maturity date, average number of seed in the fruit, etc. may be included to enhance educational value.

D-320-005 Wood Display -The wood display must include wood samples from at least 10 different tree species.

Preparation: Samples may be of any shape e.g. sections from a board, wood cylinders turned on a lathe, horizontal or vertical cross sections of a small log with bark attached, etc., but all samples should be the sample shape, e.g. all wood cylinders or all sections of a board. Each example can be no larger than 4"x 4"x 4". Cut surfaces should be sanded to show the grain. Treating samples with a clear finish (no stain) is optional. All collection must be done by the exhibitor.

Mounting: Samples may be displayed in a variety of ways, e.g. mounted on a display board, displayed in a box or rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.

Labeling: The label for each sample must include:

- 1) common name
- 2) scientific name
- 3) wood type (softwood or hardwood)
- 4) collector's name
- 5) collection date
- 6) collection location (be specific, state and county at a minimum)

Supplemental information: e.g. common products, wood, density, etc., may be included to enhance educational value.

D-320-006 Cross Section Display- A disc cut from a tree species listed in 4-H 332. The sample must be collected, by the exhibitor, within one year of the State Fair judging day. The disc must measure 6 to 12 inches in diameter, and 1 to 3 inches thick. The bark should be firmly attached, which may be difficult if the tree was dead when the disc was cut. Sand at least one side of the disc so the grain can be easily seen. If the disc is treated with a clear finish, both sides must be treated to minimize warping. As the disc dries, some cracking or checking can be expected and is allowed.

Labeling: The following parts must be clearly and accurately labeled on the cross section with pins, paper tags, or some other form of identification.

- 1) pith
- 2) heartwood
- 3) sapwood
- 4) one growth ring (beginning and end)
- 5) cambium
- 6) bark

A separate label attached to the back of the disc must include:

- 7) common name
- 8) scientific name
- 9) tree classification (softwood or hardwood)
- 10) age (of the cross section)
- 11) collector's name
- 12) collection date
- 13) collection location (be specific, state and county at a minimum)

D-320-007 Parts of a Tree - This project is only for ages 8-11. Prepare a poster, no larger than 24"x 24" that clearly identifies the main external parts of any tree: a. trunk, b. crown, c. roots, d. leaves, e. flowers, f. fruit, g. buds, h. bark. Identifying other internal parts, e.g. phloem, xylem, cambium, annual ring, pith, etc., is optional. Attach a separate label on the back of the poster that includes the exhibitor's name and age.

D-320-008 Living Tree Display- A living tree seedling grown by the exhibitor from seed in the display container. The seed must be from a species listed in 4-H 332. The seedling must be 60 days to 1 year old (on State Fair judging day). The display container must contain at least 8 inches of soil (potting mix or suitable natural soil), have drainage hole(s), and a drain pan to catch drainage water.

Labeling: The waterproof label must be attached and include:

- 1) common name
- 2) scientific name
- 3) seed treatments (if any)
- 4) planting date
- 5) emergence date
- 6) exhibitor's name

Supplemental information: about the tree, e.g. where the seed was collected, growth measurements, uses for that species, etc. may be included in an attached notebook, poster, etc. to enhance educational value. Supplemental information will be an important factor in judging.

D-320-009 Forest Product Display - Prepare a visual display and/or collection tracing the origin of one non-lumber product that comes from trees and/or forests. The display must be no larger than 24 inches by 22 inches by 28 inches. Photographs, drawing, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 22"x28" and may be either vertical or horizontal. The contestant must identify what species of tree the product is derived from and where the product is harvested, grown, or otherwise collected. The product listed must be partially or fully derived from trees; if partial the approximate percentage should be articulated in the display.

- The goal of this exhibit is for students to learn that many products come from trees and forests and to explore one of these products through in-depth study.

- Information about the tree or forest product: e.g. information about harvesting, processing, industry information, and environmental or other benefits may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

- Personal interviews with industry professionals are encouraged as a source of information.

D-320-010 Forest Health Display - Prepare a visual display outlining a specific forest health issue such as a tree disease, insect pest, animal-or human-caused damage, or an abiotic issue such as weather damage. The display must be no larger than 24 inches by 24 inches by 24 inches. Original photographs, drawings, samples, charts, posters, etc. can be used. Actual specimens are strongly encouraged but must be properly preserved, i.e. insects pinned or placed in vials of alcohol, leaves pressed and dried. Posters submitted may be no larger than 24 inches x 24 inches.

- Explain through the display what species of trees the health issue affects, diagnostic features of the issue (symptoms in trees, identifying features of the pest, etc.), and management options.

- Include common and scientific names of trees and pests.

- Supplemental information about the tree or forest product: e.g. information about harvesting, processing, industry information, and environmental or other benefits may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

- Attach a separate label on the back of the display that includes the exhibitor's name and age.

D-320-011 Wildfire Prevention Poster - Prepare a poster, no larger than 24 inches x 24 inches that promotes wildfire prevention strategies. Strategies articulated in the poster can include personal and/or land management actions. Attach a separate label on the back of the poster that includes the exhibitor's name and age.

- Supplemental information about wildfire prevention should be attached to poster: e.g. frequency of wildfires in Nebraska/United States, financial costs of wildfires, environmental factors that contribute to wildfires, etc. to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

D-320-012 Sustainable Landscape Diorama - Box must be no larger than 24"x24". The exhibit must show a Nebraska landscape that includes elements such as windbreaks, fields, pastureland, CRP, public lands, community/municipal landscapes. The goal of this exhibit is for students to articulate conservation and sustainability best-practices that can be implemented on a landscape, while addressing landowner and other stakeholder interests.

- Label point/nonpoint sources of pollution, carbon sequestration, water-wise practices, wildfire prevention strategies, renewable energy sources, and other conservation practices as well as at least 10 species of plants included in the diorama.

- Attach to the exhibit a brief report including supplemental information describing the diorama, defining conservation practices, and outlining opportunities for landscape improvements to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

D-320-013 Tree Planting Project Display - Plant a tree in your community. Prepare a visual display where the student articulates proper tree planting techniques, why the individual tree species was

chosen, as well as steps taken to continue care for the tree after initial planting. The display must be no larger than 24 inches by 24 inches by 24 inches. Photographs, drawings, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 24 inches x 24 inches. The tree must have been planted 60 days to 1 year before State Fair judging day. Students must obtain permission from necessary authorities and property owners before planting any trees.

- Labeling: the following information about the tree must be included in the display: 1. common name 2. scientific name 3. planting location 4. planting date 5. tree source 6. planter's name 7. proper tree planting steps 8. tree care (after planting)

- Supplemental information about the tree: e.g. why the species was chosen, growth measurements, uses for that species, etc., may be included in an attached notebook, poster, etc. to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

DEPARTMENT D – CONSERVATION & WILDLIFE

Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

Participants have the opportunity to create a variety of exhibits in the many different divisions. The category gives 4-H'ers the opportunity to share their knowledge and field experience about conservation, wildlife, and shooting sports. When creating an exhibit make sure to take close account of the rules while taking into account the different laws that surround those areas.

Division 340 – Conservation & Wildlife

- A. Show What You Did and Learned - All exhibitors will show evidence of their personal field experiences, study, or observations that relate to their exhibit. This helps judges understand what the 4-H'er did and learned in the process that led to the exhibit.
- B. Proper Credit - Show proper credit by listing the sources of plans or other supporting information used in exhibits.
- C. Whose Exhibit? - The exhibitor's name, county, age must be on the back or bottom of all displays so that the owner can be identified even if the entry tag becomes separated from the exhibit.
- D. Wildlife and Wildlife Laws - "Animal" or "wildlife" in the following classes includes wild fish, amphibians, reptiles, birds or mammals. Follow all wildlife laws; example: wildlife laws do not allow collection of bird nests, eggs or any of their parts.
- E. Entries Per Individual - Each individual is limited to one exhibit per exhibit number.
- F. Project Materials - Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 5-93-81), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H 125), Geology and Outdoor Adventure. Other resources include: Outdoor Skills: Learning Science in the Outdoors Series (Science Signature Outcome Program) outdoornebraska.gov/afterschool/ and www.whep.org.
- G. Board and Poster Exhibits - Mount all board exhibits on 1/4" plywood, masonite, or similar panel no larger than 24" high x 24" wide. Poster exhibits should be on regular poster sheets, no larger than standard size (22" x 28") but half size, 22" x 14", is recommended.
- H. Scoresheets forms contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hconservation-wildlife> shooting.

Division 340 - Wildlife and How They Live (Classes 1-4)

D-340-001 Mammal Display

Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats. Scoresheet SF154

D-340-002 Bird Display

Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats. Scoresheet SF154

D-340-003 Fish Display

Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife behavior and habitats. Scoresheet SF154

D-340-004 Reptile or Amphibian Display

Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during

one season or through the year; wildlife behavior habitats. Scoresheet SF156

D-340-005 Wildlife Connections

Board or poster exhibit. The purpose of this display is to show interconnections and related aspects among animals, plants, and other habitat components. All displays should show two or more interactions (connections) that occur between/among animals or between animals and their habitat. Displays might show how animals interact with other animals, with people or with their habitat. Examples: 1) Food chain display. Use pictures, drawings, or other items to illustrate the source of food energy and where it goes – who eats whom or what. Use arrows to show the direction of the energy (food) flow. 2) Show the role of predators, scavengers, insect eaters, or others in nature. 3) Show how wildlife numbers (populations) change through the year. 4) Show predation, competition, or other behavioral interactions of wildlife. 5) Choose one kind of wildlife and make observations through a season or year, keep notes of interactions, then make a display of what you saw. Scoresheet SF157

D-340-006 Wildlife Tracks

Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are three options. For all options, include a brief description of your experiences in making the tracks so the judges better understand what you did and learned. Positive casts (impressions as they would be in nature) are preferred. Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. (OR) Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. (OR) Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal. Scoresheet SF158

D-340-007 Wildlife Knowledge Check

Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches. Scoresheet SF159

D-340-008 Wildlife Diorama

Exhibit must be no larger than 24 x 24 inches. The exhibit might show a grassland, prairie, agricultural, woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: show an area interspersed with several habitats such as windbreaks, farm fields, woods, waste areas, ditches, and pastures for edge-adapted species such as white-tailed deer, Northern bobwhite, mourning doves, cottontail rabbits, fox, squirrels, Northern cardinals, or blue jays. Label the habitats displayed and show at least five kinds of wildlife in their proper habitats. Scoresheet SF160

D-340-009 Wildlife Essay

Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife. You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder, or at other places. You might write about ethics, proper behavior in the outdoors, hunting, or fishing. The essay is between 100 and 1,000 words long and typed, double spaced on 8½" x 11" paper. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them. Scoresheet SF161

D-340-010 Wildlife Values Scrapbook

Make a scrapbook about the various values of wildlife. This would include aesthetic, scientific, commercial, game, genetic, and/or ecological. One resource would be in the Wildlife Conservation project booklet. (4-H 125). Scoresheet SF162

D-340-011 Wildlife Arts

The purpose for this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, wood carvings, painted duck decoys or songs or poems written by the exhibitor. Entries must be appropriate for fair display and no larger than 24" x 24". For example, paintings or photographs should be displayed in notebook format or mounted on a sturdy display panel. All entries must include a title and brief explanation of the purpose or message (what is the exhibit meant to show). Scoresheet SF163

Rules: Classes 104 are board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation. For more ideas, refer to project booklets. Remember to look at General Rules for this area.

Division 342 – Wildlife Habitat

D-342-001 Houses

Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or a bat house; no insect houses. Make the house functional so that dimensions, hole size, etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended; 2) where and how the house should be located for best use; 3) any seasonal maintenance needed; and 4) any evidence of your personal observations or experiences. Tips: check NebGuide on bird houses and shelves. Scoresheet SF165

D-342-002 Feeders/Waterers

Make a bird bath or feeder. Examples: seed, suet or nectar feeders. Squirrel feeder okay, no insect feeders. Include the following information: 1) the kinds of animal(s) for which the water/feeder is intended, 2) where or how the water/feeder should be located for best use, 3) any seasonal maintenance needed, and 4) any evidence of your personal observations or experiences. Tips: check NebGuide on feeding birds. Scoresheet SF166

D-342-003 Wildlife Habitat Design Board or Poster Exhibit

Choose a backyard, acreage, or farm, and design a habitat plan to meet the food, water, shelter, and space needs of at least three kinds of animals you would like to attract. Draw an outline of the area and show what plants or other habitat will be provided. Indicate how the various parts of your plan provide the desired habitat needs. You might include an aerial photo of the area if you have one. Scoresheet SF167

Division 343 – Harvesting Equipment

D-343-001 Fish Harvesting Equipment

Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: 1) purpose of each item; 2) when or where each item is used and 3) any personal experiences you've had with the item(s). Scoresheet SF168

D-343-002 Build A Fishing Rod

Rod building kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches length. Exhibit must be mounted on a board. Include with the exhibit: 1) Explanation of cost of materials/components, 2) where materials/components were purchased, and 3) how many number of hours required for construction. Label all parts. Necessary components which must be included are grip, line guides, (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread. Exhibit will be judged on: workmanship, labeling of parts, correct information, and neatness. Scoresheet SF169

D-343-003 Casting Target

Make a casting target for exhibit and use. Target must be under 48"x48". The bullseyes must be 2 feet, outer band must be 1 foot in diameter and can have up to 3 rings. The exhibit must be easy to store, durable, and weather resistant. Include the purpose and rules of using your casting target. Scoresheet SF170

D-343-004 Wildlife Harvesting Equipment Board Exhibit

Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed: the purpose of each item, when or where it is used, and any personal experiences you've had with the item(s). Scoresheet SF171

D-343-005 Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory

Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc. Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype and any adjustments you made. Scoresheet SF168

Division 346 – Taxidermy

D-346-001 Tanned Hides or Taxidermy

Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information: 1) the animal's name and 2) information about the exhibitor's personal field experiences, study or observations that relate to the exhibit. Scoresheet SF172

Division 347 – 4-H Shooting Sports

4-H Shooting Sports requires youth to be under the direct leadership of a certified 4-H Shooting Sports Leader in either shotgun, rifle (bb gun), archery, pistol, blackpowder/muzzleloader, and/or hunting skills. No firearms can be entered as an exhibit, nor live ammunition; however information can be shared through pictures. Remember to look at General Rules for this area.

D-347-001 Shooting Aid or Accessory - Any item which helps the shooter/hunter better perform their sport, examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc. Include your design, or plans you adapted, what the item is and used for. Scoresheet SF253

D-347-002 Storage Case - Any item with the purpose to safely hold a firearm, bow, ammunition, and/or arrows, examples: soft sided shotgun case, quivers, firearm safe. Include your design, or plans you adapted. Explain how the storage case is used. Scoresheet SF254

D-347-003 Practice Game or Activity - Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials of 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members. Scoresheet SF255

D-347-004 Science, Engineering, Technology Advancements of Shooting Sports Essay or Display - Choose a specific area of shooting sports and share how it has advanced. Include a timeline and photos or illustrations. Keep your topic narrow and manageable. Essays are limited to 1000 words and should be on 8 1/2" x 11" paper. Scoresheet SF256

D-347-005 Healthy Lifestyles Plan - Include a shooter's diet and exercise plan, and how the 4-H member will benefit or improve from following the plan. Ideally, the 4-H member would follow the plan and include some journal entries about adaptations or improvements made while following the plan. Scoresheet SF257

D-347-006 Citizenship/Leadership Project - Share a display on a citizenship project or leadership project the 4-H member took on individually or with a group to improve some aspect related the 4-H Shooting Sports. Examples could be range development, conservation planting to attract wildlife, a camp, 4-H recruitment event. Include who benefitted from the project, what the 4-H member's role was, and any results. Scoresheet SF258

D-347-007 Career Development/College Essay, Interview or Display - Research opportunities for careers related to this area or opportunities for college majors or college activities to help discover using project skills beyond a person's 4-H career. Essays are limited to 1000 words and should be on 8 1/2" x 11" paper. Interviews need to include a picture of the interviewee in their work setting, questions asked, and a transcript of answers. Scoresheet SF259

D-347-008 Community Vitality Display - Explore the difference shooting sports and hunting make in keeping Nebraska vibrant especially in rural areas. Present facts and research in an interesting way for the public to learn from. Scoresheet SF Scoresheet SF251

D-347-009 Ag Literacy-Value Added Agriculture Interview or Research Project - Explore how traditional ag producers are adding value to their production agriculture operations through conservation efforts, hunting, raising pheasants, shooting sports related tourism, etc. Present finding in an interesting way for the public to learn from. Scoresheet SF250

Division 361 – Other Natural Resources

D-361-001 Design Your Own Exhibit in Natural Resources, Conservation, Geology or Ecology

This class is for educational exhibits about natural resources, conservation, wildlife, or ecology that do not fit into other categories. Entries must be appropriate for fair display and no larger than 24 x 24 inches. All entries must include a title and should be clear (a brief explanation or other method) about the intended purpose or message - what the exhibit is meant to show. Think about accuracy, creativity, educational value for viewers, and evidence of exhibitor's personal experiences and learning. Scoresheet SF164

Division 341 - Outdoor Adventures

Level 2

D-341-001 Poster - Create a poster display no larger than 22"x28". Topics may include, but not limited to, one or more of the following: how to pitch a tent, knot tying, cooking over a campfire, how to start a campfire, wildlife and plants identified while camping, how to set up emergency shelter, dealing with weather, collection of photos from camping trips, "Leave No Trace" and how that was followed while camping, plan a camping trip, camping essentials, environmental issues/protecting natural resources, park or trail clean up, sanitation/hygiene while outdoors or use of GPS.

D-341-002 Journal/Binder - Written report of actual, virtual or actual camping/hiking trips with observations OR field journal (notes of actual experiences, sights, sounds, smells, etc.), OR

camping or hiking trip diary. Explain growth in project, leading the hikes, planning the camping trip, now being able to identify the wildlife and nature around you and how identified (sight/sound/shape/smell/color). Feathers/leaf/flower pressings must be securely attached, if included. Photos of drawing of observations encouraged. Exhibits measure no larger than 16"x16".

D-341-003 - Camping/Hiking Safety - Must include explanation of use of item and why selected/purpose, how it fits hiking/camping needs. May include, but are not limited to, one of the following: travel sized poisonous plants guide, camping first aid kit, weather/water safety or hand hygiene kit. Exhibits measure no larger than 18"x24".

D-341-004 - Digital Media - Use digital media to show video/slideshow/presentation of setting up a tent (include why site is chosen) or protecting natural resources or environmental issues or computer video camping/hiking game. Submit a USB drive or DVD inside a report cover or notebook. If using a slideshow, include printed slides inside report cover or notebook.

D-341-005 - Other Camping Items - Must include what inspired the creation of the item, and its purpose. May include, but are not limited to, one of the following; nature art, nature haiku poem, spider web sketches or knot display. Exhibits measure no larger than 18"x24".

Rules

See General Rules.

- Display posters must be made of material, e.g. foam board or poster board and measure no larger than 22"x28". Poster material should be sturdy enough to hold display items.
- Display exhibits other than posters to be no larger than 18"x24".
- Journal/Binder exhibits measure no larger than 16"x16".
- Consider neatness and creativity.

Level 3

D-341-006 - Poster - Create a poster display, no larger than 22"x28". Topics may include but not limited to, one of the following: Topographic map, backpacking trip plan, camp layout, plan an expedition (can be dreamed or lived), collection of photos from your expedition, trails hiked, cost comparison of rental vs purchase or using GPS/compass.

D-341-007 - Journal/Binder - Written report of actual, virtual or imagined expeditions/camping/hiking, OR field journal (notes of actual experiences, sights, sounds, smells, etc.). Explain growth in project, challenges in leading a group, teaching others about wildlife and nature identification and "Leave No Trace." Exhibits measure no larger than 16"x16".

D-341-008 - Expedition Safety - Must include an explanation of use of items, why selected/purpose of item, how it meets hiking/camping/expedition needs. May include, but are not limited to, travel sized edible plants, creepy crawly guide, tent repair kit, travel first aid kit or weather/water safety. Exhibits measure no larger than 18"x24"

D-341-009 - Digital Media - Use digital media to show video/slideshow/presentation of one of the following, but not limited to, building a non-tent shelter (include why needed), packing your backpack/equipment and getting it onto you, teaching others about environmental issues or a computer video backpacking expedition game. Submit a USB drive or DVD inside a report cover or notebook. If using a slideshow, include printed slides inside report cover or notebook.

D-341-010 - Other Expedition Items - Must include what inspired the creation of the item, and the purpose of the item. May include, but are not limited to, nature art, nature cinquain poem, backpacking food recipes, hiking/expedition conditioning plan, charcoal etching, dehydrated meal or snack (at least 1 cup displayed in a re-sealable plastic bag with ingredients, instructions, and nutritional facts included). Exhibits measure no larger than 18"x24"

Rules

See General Rules.

- Display posters must be made of material, e.g. foam board or poster board and measure no larger than 22" X 28". Poster material should be sturdy enough to hold display items.
- Display exhibits other than posters to be no larger than 18" X 24".
- Journal/Binder exhibits measure no larger than 16" X 16".
- Consider neatness and creativity.

DEPARTMENT E – LIFETIME SPORTS ACTIVITIES

Purple \$3.00, Blue \$3.00, Red \$2.50, White \$2.00

Division 904 – Shooting Sports/Firearms – BB Gun or Air Rifle

4-H members enrolled in the Shooting Sports 4-H program may enter the 4-H shooting competition. Eye protection is required for everyone on the firing line and in the on-deck area. Hearing protection is required in the small bore and trap shoot divisions. Contestants must have one coach (leader, instructor or parent) to assist and supervise them on the range. Contestants must furnish their own firearm and ammunition. All guns must arrive and depart the range cased and unloaded.

All rules, regulations and safety procedures concerning a shooting competition and shooting range must be followed by all participants, leaders, instructors and parents or a shooter may be disqualified from the competition. All participants names are required on the instructors certification listing the disciplines they have been instructed in. *Pre-registration for this contest will be required.* Contestants must have consistently demonstrated to the leaders in charge that they are physically capable of properly and safely handling the firearm or are willing to comply with safety rules.

Shooting Sports contestants may enter all areas in which they have received qualified instruction. Exception: May not enter both BB Gun and Air Rifle Divisions.

Clear Barrel Indicators will be required on all open breech firearms. Clear Barrel Indicators or CBI's are synthetic monofilament cords (0.065" - 0.095" dia...trimmer string) in fluorescent orange or a similar bright color that are inserted into the bores of air rifles so that the ends of the CBI protrude out of both the muzzle and open breech. CBI's must be inserted in all air rifles when they are brought to a range or removed from a gun case on a range. CBI's may be removed only during preparation periods, change-over periods, and firing times. The use of CBI's is mandatory in all Three-Position Air Rifle Competitions. To facilitate fair preparations, shooters must declare disciplines they wish to shoot, on a sheet provided to shooters, 2 weeks prior to the event to the Extension Office.

BB Gun Division

Only smooth bore guns will be allowed. E.G. Daisy Avanti 499 is allowed but the Crosman 1077 is not allowed even though it will shoot BBs. Ten (10) shots will be fired from 5 meters in the following positions - prone, standing, sitting and kneeling (fired in this order) - or a total of 40 shots. Each contestant will be allowed 10 minutes for record shots plus sighters per target. AR4/10 targets will be used. Contestants will fire one shot at each bull. No scopes allowed. To facilitate fair preparations, shooters must declare disciplines they wish to shoot, on a sheet provided to shooters, 2 weeks prior to the event to the Extension Office.

E-904-001 BB Gun Junior - 8-11 years old by January 1 of the current year.

E-904-002 BB Gun Intermediate - 12-13 years old by January 1 of the current year.

E-904-003 BB Gun Senior - 14 and over by January 1 of the current year.

Air Rifle Division (Sporter)

Ten (10) shots will be fired from 10 meters in prone, kneeling and standing positions for a total of 30 shots. Each contestant will be allowed 15 minutes for record shots plus sighters per target. Rifles are limited to sporter grade target rifles as defined in the national Standard Three-Position Air Rifle rulebook section 3. (Retail value of \$600 or less) which shoot .177 caliber only. (Must be lead flat-nosed pellets; no pointed, hollow-point, ballistic or steel tipped pellets or BB's.) Example: Daisy models 753, 853, 888. Scopes are not allowed. AR5/10 targets will be used. To facilitate fair preparations, shooters must declare disciplines they wish to shoot, on a sheet provided to shooters, 2 weeks prior to the event to the Extension Office.

E-904-004 Air Rifle Junior - 8-11 years old by January 1 of the current year.

E-904-005 Air Rifle Intermediate - 12-13 years old by January 1 of the current year.

E-904-006 Air Rifle Senior - 14 and over by January 1 of the current year.

Trap Shoot Division

Trap will shoot 50 shots. There will be two rounds of 25 with 5 per station. A ten shot shoot-off will break ties. Must wear eye and ear protection. To facilitate fair preparations, shooters must declare disciplines they wish to shoot, on a sheet provided to shooters, 2 weeks prior to the event to the Extension Office.

E-904-007 Trap Shoot Intermediate - 12-13 years old by January 1 of the current year.

E-904-008 Trap Shoot Senior - 14 and over by January 1 of the current year.

Air Pistol Division

Pistols are limited to sporter air pistols as defined by the NRA International Pistol rule 3.1. Air pistol