

- D330001 **Value and Importance for Livestock Forage and Wildlife Habitat and Food Book** - A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. Value and importance classifications can be found in the Range Judging Handbook and Contest Guide, Appendix Table 1 (EC150, revised July 2016) starting on page 42. Plants can consist of any combination of grasses, grass-like plants, forbs, or shrubs. Assemble plant mounts in order of high, medium, and low value and importance. Label each plant mount with its value and importance classifications for each of the three areas: Livestock Forage, Wildlife Habitat, Wildlife Food.
- D330002 **Life Span Book**- A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.
- D330003 **Growth Season Book** - A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.
- D330004 **Origin Book** - A collection of plant mounts of 6 native range grasses and 6 introduced grasses. Introduced grasses are not from North America and often used to seed pastures.
- D330005 **Major Types of Range Plants Book** - A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.
- D330006 **Range Plant Collection Book** – A collection of 12 range plant mounts with something in common (i.e., poisonous to cattle, or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.). Include a short paragraph in the front of the book which describes what the plants have in common and why you have chosen to collect them.

#### **RANGE MANAGEMENT DISPLAYS (Class 7) - Scoresheet SF259**

The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28 inches by 28 inches on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, address, and county on back side.

- D330007 **Parts of a Range Plant Poster** - Mount a range plant on a poster board. Label all the plant parts. Include the plant label in the lower right corner, including the scientific and common name of the plant. Put your name and 4-H county on the back of the poster.

#### **RANGE MANAGEMENT BOARDS (Classes 8-9) - Scoresheet SF260 for classes 8-9**

Boards should be no larger than 30 inches wide by 36 inches tall. Boards should be adequately labeled.

PREMIUMS: Purple, \$2.50; Blue, \$1.75; Red, \$1.40; White, \$.70

- D330008 **Special Study Board** - A display of the results of a clipping study, a degree of use study, range site study, etc. A short essay must accompany the display to explain the reason for the study, what was learned, and study results. This should be placed in a sheet cover attached to the board.
- D330009 **Junior Rancher Board** - This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management. A short essay must accompany the display to explain the purpose of the rancher board, what was learned, etc.

### **CONSERVATION & WILDLIFE**

Conservation, Wildlife and Shooting Sports gives 4-H members an opportunity to share their knowledge and field experience about conservation, wildlife, and shooting sports. When creating an exhibit make sure to pay close attention to the rules while taking into account the different laws that surround those areas.

All 4-H members are limited to one (1) exhibit per entry number and four (4) exhibits per project.

#### **GENERAL RULES:**

1. **Show What You Did & Learned:** - All exhibitors must 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.
2. **Proper Credit:** - Show proper credit by listing the sources of plans or other supporting information used in exhibits.
3. **Whose Exhibit?:** - The exhibitor's name, county, age must be on the back or bottom of all displays.
4. **Wildlife & Wildlife Laws:** - "Animal" or "wildlife" in the following classes includes wild fish,

amphibians, reptiles, birds, or mammals. Please make sure you are following all wildlife laws. Domestic animal (i.e. domestic livestock or house pets) and insect exhibits are not appropriate for this area.

5. **Project Materials:** - Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC59381), Fishing for Adventure Project Manuals, Wildlife Conservation (4H125), Geology, and Outdoor Adventure. Other resources include: Outdoor Skills: Learning Science in the Outdoors series (Science Signature Outcome Program) [outdoornebraska.gov/afterschool](http://outdoornebraska.gov/afterschool) and [www.whep.org](http://www.whep.org).
6. **Board and Poster Exhibits:** Mount all board exhibits on ¼ inch plywood, Masonite, or similar panel no larger 24 inches high x 24 inches wide. Poster exhibits should be on regular poster sheets, no larger than standard size (22 x 28 inches) but half size, 22 x 14 inches, is recommended.
7. **Exhibit Size:** Exhibits other than poster/display board should not exceed 48 inches x 48 inches and be able to be moved by two people.

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

Score sheets and additional resources can be found at <https://go.unl.edu/ne4hconservation-wildlife-shooting>.

**Example to attach to your exhibit**

**Name:** Chris Clover  
**County:** Clover County  
**Age:** 10

**Field Experience, Study, or Observations:**

I attended a 4-H workshop where we put out a food plot, and then made turkey calls. We played a game about attracting turkeys. Sometimes we acted like a female to draw in a tom turkey. Sometimes we acted like a lost baby turkey to call in a whole flock. I was able to use my turkey call and play the game successfully. While I never turkey hunted in person, I went on-line to research more turkey calls. I hope to turkey hunt someday, and I want to use a box call to hunt fall turkeys.

**Credits/Source:**  
Information was obtained from Nebraska Game & Parks website

## WILDLIFE AND HOW THEY LIVE, CLASSES

PREMIUMS: Purple, \$4.00; Blue, \$3.00; Red, \$2.00; White, \$1.00

**Classes 1-4 are board or poster exhibits.** Display may show any aspect of wildlife, wildlife habitat, or related conservation. No domestic livestock, pet, or insects allowed. For more ideas, refer to project booklets. Please refer to General Rules for more information.

- D340001      **Mammal Display (Scoresheet SF154)** – 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.
- D340002      **Bird Display (Scoresheet SF154)** – 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.
- D340003      **Fish Display (Scoresheet 155)** – 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.

- D340004      **Reptile or Amphibian Display (Scoresheet SF156)** – 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.
- D340005      **Wildlife Connections (board or poster exhibit) (Scoresheet SF157)**  
 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.
- D340006      **Wildlife Tracks (board or diorama-type box exhibit) (Scoresheet SF158)**  
 Make a display of animal tracks using plaster-of-paris casts. There are 3 options. For all options, include a brief description of your experiences in making the tracks so the judges understand better what you did and learned. Positive casts (impressions as they would be in nature) are preferred, but not required.
- 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.
- D340007      **Wildlife Knowledge Check (Scoresheet SF159)**  
 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 inches x 24 inches.
- D340008      **Wildlife Diorama (Scoresheet SF160)**  
 Exhibit must be no larger than 24 inches by 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.
- \*\*D340902      **Make Your Own Diorama County Only (Scoresheet SF1650)**  
 Examples: farm, park, garden, etc. The exhibit must be no larger than 24 inches x 24 inches.
- D340009      **Wildlife Essay (Scoresheet SF161)**  
 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 outdoor, hunting, or fishing. The essay is between 100 and 1000 words long and typed, double spaced on 8 ½ inches x 11 inches paper. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them.

D340010 **Wildlife Values Scrapbook (Scoresheet SF162)**  
Make a scrapbook about the various values of wildlife. This would include aesthetic, scientific, commercial, game, genetic, and/or ecological. One resource would be the Wildlife Conservation project booklet (4-H 125).

D340011 **Wildlife Arts (Scoresheet SF163)**  
The purpose of 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 inches x 24 inches. 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).

D340901 **County Only Exhibit**

## **WILDLIFE HABITAT, CLASSES**

Please refer to General Rules for more information.

PREMIUMS: Purple, \$4.00; Blue, \$3.00; Red, \$2.00; White, \$1.00

D342001 **Houses (Scoresheet SF165)**  
Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or 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.

D342002 **Feeders/Waterers (Scoresheet SF166)**  
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 and 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.

D342003 **Wildlife Habitat Design Board or Poster Exhibit (Scoresheet SF167)**  
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.

## **HARVESTING EQUIPMENT, CLASSES**

Please refer to General Rules for more information.

PREMIUMS: Purple, \$4.00; Blue, \$3.00; Red, \$2.00; White, \$1.00

### **D343001 Fish Harvesting Equipment - Board exhibit (Scoresheet SF168)**

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) the purpose of each item;
- 2) when or where each item is used; and
- 3) any personal experiences you've had with the item(s).

### **D343002 Build A Fishing Rod (Scoresheet SF169)**

Rod building kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches in length. Exhibit must be mounted on a board.

- Include with the exhibit:

Explanation of cost of materials/components; where materials/components were purchased; and how many numbers 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, information, and neatness.

### **D343003 Casting Target (Scoresheet SF170)**

Make a casting target for exhibit and use. Target must be under 48 inches x 48 inches. 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.

### **D343004 Wildlife Harvesting Equipment - Board Exhibit (Scoresheet SF171)**

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:

- 1) the purpose of each item;
- 2) when or where it is used; and
- 3) any personal experiences you've had with the item(s).

### **D343005 Inventing Wildlife/Fish Harvesting Equipment, Aid, or Accessory (Scoresheet SF168)**

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.

## **OUTDOOR ADVENTURE CLASSES - PREMIUMS: Purple, \$4.00; Blue, \$3.00; Red, \$2.00; White, \$1.00 OUTDOOR ADVENTURES LEVEL 1, CLASSES (Scoresheet SF281)**

Please refer to General Rules for more information

- \*\*D341901 Map** – Draw/color a map of your hiking trip. Can include the path taken, landmarks, and any special sights or location of interest.
- \*\*D341902 Collage or Collection** – Make a collage with items collected while hiking, camping, fishing, or hunting. Or make a box to store your collection.
- \*\*D341903 Camping/Hiking Safety** – Poster or safety kit to be used while camping or hiking.
- \*\*D341904 Camping/Hiking Gear** – Poster or notebook showing camping or hiking essentials. Include why items are useful while camping or hiking.

## OUTDOOR ADVENTURES LEVEL 2, CLASSES

Please refer to General Rules for more information.

- D341001      **Poster (Scoresheet SF281)**  
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.
- D341002      **Journal/Binder (Scoresheet SF281)**  
Written report of 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 drawings of observations encouraged. Exhibits measure no larger than 16 inches x 16 inches.
- D341003      **Camping/Hiking Safety (Scoresheet SF281)**  
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.
- D341004      **Digital Media (Scoresheet SF281)**  
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.
- D341005      **Other Camping Items (Scoresheet SF281)**  
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.

## OUTDOOR ADVENTURES LEVEL 3, CLASSES

Please refer to General Rules for more information.

- D341006      **Poster (Scoresheet SF281)**  
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.
- D341007      **Journal/Binder (Scoresheet SF281)**  
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 inches X 16 inches.
- D341008      **Expedition Safety (Scoresheet SF281)**  
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.
- D341009      **Digital Media (Scoresheet SF281)**  
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.

- D341010      **Other Expedition Items (Scoresheet SF281)**  
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 inches X 24 inches.

### **TAXIDERMY, CLASSES**

Please refer to General Rules for more information.

PREMIUMS: Purple, \$4.00; Blue, \$3.00; Red, \$2.00; White, \$1.00

D346001      **Tanned Hides (Scoresheet SF172)**

Exhibit of a wild animal hide properly processed by the member. No requirement as to mounting but must meet the size requirement listed under General Rules. Include the animal's name and the following:

- 1) information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

D346002      **Taxidermy (Scoresheet SF175)**

Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to mounting but must meet the size requirement listed under General Rules. Include the animal's name and the following:

- 1) information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

### **OTHER NATURAL RESOURCES**

Please refer to General Rules for more information.

PREMIUMS: Purple, \$4.00; Blue, \$3.00; Red, \$2.00; White, \$1.00

D361001      **Design Your Own Exhibit in Natural Resources, Conservation, Geology, or Ecology (Scoresheet SF164)**

This class is for educational exhibits about natural resources, conservation, wildlife, geology, or ecology that do not fit into other categories. Entries must be appropriate for fair display and no larger than 24 inches 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.

### **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, air rifle, .22), 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. Classes D347004 – D347009 and D347901 can be entered by anyone in the conservation and wildlife area. Please refer to General Rules for more information.

All 4-H members are limited to one (1) exhibit per entry number and four (4) exhibits per project.

#### **Classes:**

PREMIUMS: Purple, \$4.00; Blue, \$3.00; Red, \$2.00; White, \$1.00 (\*\* **DENOTES NOT Eligible for State Fair**)

D347001      **Shooting Aid or Accessory (Scoresheet SF253)**

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.

D347002      **Storage Case (Scoresheet SF254)**

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.