

## **2024 HARVESTING EQUIPMENT**

\*Denotes State Fair Entry

**Purple, \$3; Blue, \$2; Red, \$1.50; White, \$1**

State Fair will not allow exhibiting weapons (knives, tomahawks, etc.). If your item is selected for State Fair, you can submit a photo or video of your exhibit and the judge would do their best to judge it accordingly.

\*D343001 Fish Harvesting Equipment – Board Exhibit, no larger than 24 inches by 24 inches. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (all hooks displayed must have corks over ends to improve safety), lures. Label all items displayed. Include a brief explanation of purpose of each item and when or where it is used, and any personal experiences you've had with the item(s).

\*D343002 Build a Fishing Rod. 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 and labeled with the member's name, county and class number. Include with the exhibit the following items as a brief attachment: explanation of cost of materials/components, where materials/components were purchased, how made, and number of hours required for construction. Identify 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, labelling of parts (guides, etc.) correct information, and neatness. For fair exhibit, follow guidelines in the Fishing For Adventure Manuals.

\*D343003 Casting Target - Make a casting target for exhibit and use. Target must be under 48" x 48". 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 - Display of equipment used in harvesting wildlife. Examples: Expended ammunition casings (no live ammunition permitted), steel traps, hide stretchers, fleshers, etc. For display of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed. Include in your exhibit the following information: 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. 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.

D343006 Completed project manual or project notebook covering a specific topic learned in this project.

## **TAXIDERMY**

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\*D346001 Tanned Hides - Exhibit of a wild animal hide properly processed by the member. No requirement as to mounting but must meet requirement listed under General Rules. Include the animal's name and the following information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

\*D346002 Taxidermy - Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting but must meet the size requirement listed under General Rules. Include the animal's name and the following information about the exhibitor's personal field experiences, study, OR observations that relate to the exhibit.

## **OTHER NATURAL RESOURCES**

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\*D361001 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 inches by 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.

## **ENVIRONMENT**

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For guidelines on specific projects, refer to appropriate manuals including Eco-Wonders, Eco-Adventures and Eco-Actions.

**LEVEL 1**

D361002 Build Your Own Ecosystem

D361003 Food Web: Construct a Food Web (poster/display board) display illustrating a food web for the Ecosystem found in your back yard.

D361004 Camouflaged Critter: Create a Camouflaged Creature that illustrates how animals protect themselves with camouflage.

D361005 Weather Log: Make a Rain Gauge and Pinwheel (poster or display board) display of your weather log. Include drawing or photos of the weather. Keep log for a minimum of seven days. Days need not be consecutive.

D361006 Compost Pile: Create a poster display that shows and describes how you made your compost pile. Include pictures and diagrams as needed.

**LEVEL 2**

D361007 Keying It Out: Construct An Identification Key (poster/display board). See pages 20-22 of the manual.

D361008 Life Cycle: Explain Life Cycle of Product or Food (poster/display board). See pages 23-25 of the manual.

D361009 Plant Adaptations: Draw five plants and explain how they are suited for their particular lifestyle by their adaptations (three-ring binder; journal; poster). See pages 44-45 of the manual.

D361010 Tracking: Make and Display Common Animal Tracks (display board). See pages 52-54 of the manual.

D361011 Acid Rain: Create a poster display showing the results of your “Acid Rain’s Effect on Plants” experiment. Include photos and descriptions. See pages 29-31 of the manual.

**LEVEL 3**

D361012 Water Quality: Construct Water Quality Testing Equipment such as Secchi disk and dip net. See pages 13-16 of the manual.

D361013 Exploring Energy Flow: Design a Pyramid of Energy (poster/display board) that includes the four levels. See pages 24-26 of the manual.

D361014 A Creature’s Features: Collect five different insects and identify and describe differences in insect body parts (display board/display box). See pages 43-46 of the manual.

D361015 Population Pressures: Using Clustering Technique, establish connections between human population and other areas and aspects of life (poster/display board). See pages 20-21 of the manual.

D361016 Sense of Place: Keep a journal of observations and reflections from a special, natural spot. (writing, drawing, rubbings, etc.). See pages 40-42 of the manual.