Let's Explore the Outdoors I
Guidelines: This project opens your eyes to the great outdoors, so get your backpack and field guides ready. The first activity shows how to prepare for an outdoor adventure so you can explore the woodlands, fields, wetlands, and the geology of Ohio.
Judging Requirements: Completed project book and an exhibit of something learned in the project.

Exploring Ponds
Guidelines: Members who are experienced in exploring the outdoors can learn all about ponds with this in-depth project. First, look at the “big picture” Starting with Earth’s water cycle and water conservation, then zoom in and learn about your pond’s health and its ability to support many organisms in and around it.
Judging Requirements: Completed project book and an exhibit of something learned in the project.

Why Trees Matter
Guidelines: Members develop their interest in trees and our natural resources with cool experiments. Each activity highlights how trees function individually and how they play a role in our everyday lives.
Judging Requirements: Completed project book and an exhibit of something learned in the project.

Ohio Birds
Guidelines: Observe and identify birds with bird feeders in your yard and on field trips to see the many benefits our feathered friends provide.
Judging Requirements: Completed project book and an exhibit of something learned in the project.

Trapping Muskrats in Ohio
Guidelines: Learn about the biology and behavior of muskrats and how to ethically and humanely trap muskrats.
Judging Requirements: Completed project book and an exhibit of something learned in the project.

Fishing for the Beginner
Guidelines: Member will learn about Ohio fish and engage in field and stream activities.
Judging Requirements: Completed project book and an exhibit of something learned in the project.

Fishing for the Intermediate
Guidelines: Bait the hook again to learn more about fishing methods, equipment, and fish in the environment.
Judging Requirements: Completed project book and an exhibit of something learned in the project.

Safe use of Guns
Guidelines: Make sure you are safe by learning the importance of gun safety. You could save your life or the life of someone you love. This is Beginning-level, one time project for 4-H members who have an adult in the home or neighborhood who can supervise their shooting.
Judging Requirements: Completed project book and an exhibit of something learned in the project.
SECTION 31: PROJECT REQUIREMENTS – Natural Resources
Forestry, Trapping, Fishing, Gun Safety, Archery, Beekeeping, Insects & Rope

**Basic Archery**

631

**Guidelines:** Aim your energy toward a sport that develops knowledge and skills in basic archery safety. This is a beginner level project for members who have an adult in the home or neighborhood who can supervise their shooting.

**Judging Requirements:** Completed project book and an exhibit of something learned in the project.

**Not Just Knots**

540

**Guidelines:** Learn how to make fourteen different simple knots, bends, and hitches. Remember what they say – practice, practice, practice! Then show what you have learned with a capstone project of your choosing. Directions for sample capstone projects are available at ohio4h.org/knots.

**Judging Requirements:** Completed project book, an exhibit consisting of fourteen knots or splices, labeled and neatly mounted on a board and be able to demonstrate how to tie various knots to the judge. Complete Capstone Projects-Just Knots, the ideas are intended to help you decide how best to show and apply what you have learned about knots this year. The last activity in the project book asks you to make a project plan with a project description, materials list, steps to completion, and timeline.

**Basic Beekeeping**

641

**Guidelines:** Beekeeping offers learning and fun for members of all ages. This project and record book that covers project requirements, colony care and management, and basic beekeeping records.

**Judging Requirements:** Completed project book, One pound comb honey or a pint of strained honey taken from the member’s hives and an exhibit of something learned in the project.

**Teaming with Insects Level I**

644

**Guidelines:** Do you enjoy learning about science and nature by studying insects? In this introductory project, activities provide important background information and focus on how insects look and move.

**Judging Requirements:** Completed project book and an exhibit of something learned in the project.

**Teaming with Insects Level 2**

645

**Guidelines:** Build on your knowledge of insects by making insect collection tools and expanding on the basic concepts of biodiversity, invasive species integrated pest management, and forensic entomology.

**Judging Requirements:** Completed project book and an exhibit of something learned in the project.

**Teaming with Insects Level 3**

645

**Guidelines:** Dig even deeper into entomology concepts and take control of your learning by doing your own research using the scientific method and reference materials.

**Judging Requirements:** Completed project book and an exhibit of something learned in the project.