#401 Where’s the Beef?: Getting to Know Cows Inside and Out! *
Tour the University of Illinois beef cattle research farm and get to know the cows up close and personal. Learn all about beef cattle nutrition and stick your arm in a cow!

#402 Magical Milk Lab *
Learn about the different forms, functions, and chemical processes milk goes through to make the products we consume and enjoy. Make your own ice cream and eat it during class! You won’t want to miss this exciting lab activity demonstrating the different components and forms of milk.

#404 Man’s Best Friend *
Learn all about man’s best friend. We will spend time learning about a dog’s behavior, training tips, and humane education!

#602 Paper Airplanes and Drones in Ag *
Small Unmanned Aerial Vehicles (sUAV) may change the way farmers monitor their crops. Learn about the University of Illinois research in using UAVs for monitoring crops and get up close with several UAVs. Try your hand at turning a paper airplane into a smartphone-controlled tiny UAV.

#604 Global Crop Failure Crisis! How Can You Be a Part of the Solution?
This Emergency Response Exercise puts you in the thick of global crop failure crisis. You and your team will have to find a solution to avert the crisis and save the world food supply.

#605 Bugs Up Close: Exploring Insects Using a High-Resolution Scanning Electron Microscope. *
*(in conjunction with Beckman Institute)*
Students will visit the high-resolution scanning electron microscope at the Beckman Institute’s Microscopy Suite and view an assortment of insects (mosquitos, ladybugs, ants, and whatever might be available) and comparable arthropods (such as pillbugs, silverfish, and centipedes) at much higher magnification and detail than any light microscope can produce. The presenters will explain both the concepts of scanning electron microscopy and what the specific body structures actually do.
#701 Food Challenge *
Do you like to eat food? Do you like to cook food? Do you like to win prizes? Sound like you? Join the 4-H Food Challenge! You will learn about food nutrition, safety, and preparation all while working together as a team to create a dish in 30 minutes using mystery ingredients. The session will end with teams presenting their finished dish to a panel of judges who will evaluate and provide insightful feedback.

#801 Africa Jam: Drum for Emotional and Social Well Being *
Join a drum circle and learn simple rhythms on the djembe drums! Learn about the Department of Human Development and Family Studies’ perspective on the inter-relationship of physical activity, emotional well-being, and social competency, especially in children and teens. We will discover how these all work together as we drum in harmony.

#1002 Taste of Forestry and Horticulture

Learn about plants, big and small by using tools of the trade like tree scale sticks, hypsometers and soil-less planting medium. Activities you will do during your plant exploration include plant propagation, estimating board foot volume of a tree, and basic tree identification. You will even learn how to use a compass to find your way back from our adventure!

*asterisk = session offered twice