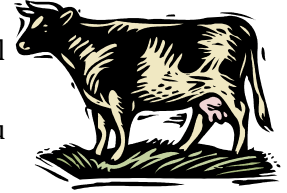


STEM IN DELAWARE 4H!

Dairy Science

The Dairy Science STEM kit takes an in-depth look at dairy product nutrition using label comparisons as well as an experiment to see the fat content of milk. Whoa! Participants will also learn how easy it is to make their own butter using a simple technique. Are you ready to get **mooooooving** with this experiment?!



Geocaching and Math



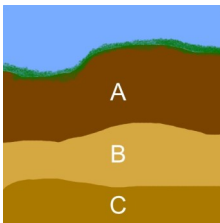
Are you an avid explorer? Do you enjoy being outdoors? In the Geocaching and Math kit, you will learn how GPS units work along with how to use GPS to create geocaches. In the scavenger hunt, you'll have to use your math know-how to learn the location of your next cache to reach the prize! With 5 different activities in this kit, each participant will have the option to choose which one they are interested in the most.

Plant and Soil Science

The plant and soil science kit will teach you about the role in composting and soils in plant nutrition. Each group will investigate how soils can clean water as well as how nutrients can become attached to soil particles. Participants will also learn about nutrient movement in plants using carnations and food coloring as well as grow your own plant in a necklace. So cool!



Soil Rainbow



Is soil just brown? No, it's many different colors! Using the Soil Rainbow kit, you will learn about the various colors of soil, how soils get their colors, and how soil scientists determine soil color. With five different interesting activities, participants will get down and dirty with nature itself. What more could a kid want?

Wetlands and Waterfowl

This kit contains activities and materials inspired by the Federal Junior Duck Stamp program curriculum. The activities within help you understand the difference between dabbling and diving ducks and let you experience what a dabbling duck sees as it's dabbling underwater. You will also learn about several waterfowl nesting practices and get to experience a form of nesting common to wood ducks called "dump nesting."



Kitchen Chemistry

Have you ever wondered what science experiments you could do using everyday items found at home? The Kitchen Chemistry kit contains materials and instructions for hands-on STEM activities including making slime out of Borax and glue, seeing how the pH of household chemicals can change the color of a solution made from red cabbage, and making elephant toothpaste from yeast, Dawn dish detergent, and hydrogen peroxide.

