

2019 Science Sampler Day Workshops

Learning Digital Citizenship Skills through Social Media TestDrive

In this workshop, youth will learn critical digital literacy skills using a tool called Social Media TestDrive. Social Media TestDrive is an educational program that offers a simulated social media experience within a safe and protected platform. Each activity teaches a set of key digital citizenship concepts and allows students to practice and reflect upon what they have learned. Researchers from Cornell University's Social Media Lab will discuss the importance of digital literacy and then lead students through a TestDrive module.

Clover Connections

Explore the world of electronic sewing (e-sewing) through this introductory project. You'll learn how to sew basic circuits to light up LEDs that turn on when the 'clover is connected'. Once the project is complete you will have a functional accessory that keeps you warm all winter long.

Computer Science - Coding with Scratch and more

Want to learn computer programming? This is the workshop for you! Scratch is the computer programming language that makes it easy and fun to create interactive stories, games and animations and share them online. This is an introduction to computer science using the programming language Scratch. You will learn how to create a computer game and more about what computer science means and what you can do. No previous programming knowledge needed

Soil Painting

Create your own colorful "muddy masterpiece" using soil paint. You will take home your painted canvas and learn about the importance of healthy soils. Bring your own soil sample to add local color to your creation (instructions will be provided).

4-H Backyard Biofuel Cookstove – Engaging technology to Act Local and Think Global!

Explore the Science of Fire! Join in the fun of building your own 4-H "hi-tech" back yard barbeque stove! Save energy with the efficient biofuel stove made from recycled, reused, and repurposed parts. Improve your carbon footprint. Learn how a fire burns efficiently and explore the science behind efficient stoves. Discover how this technology is saving the lives of children in developing countries by reducing toxic open fire smoke. There is so much to learn, and you will be building your own stove and testing it out by making grilled cheese sandwiches and popping Jiffy Pop popcorn.