

## Program Kits\*

These program kits are available for use at the Edinboro STEM Lab and will be available for off-site use in 2026.

### Pollinators Citizen Science Kit

Explore the fascinating world of pollinators with the SciStarter Pollinators Citizen Science Kit! Girl Scouts will become real scientists by observing, recording, and sharing data about local bees, butterflies, and other pollinators right in their own neighborhoods. Through hands-on activities and guided investigations, they'll learn why pollinators are vital to our environment and how they can help protect them. This program combines outdoor discovery with meaningful science, inspiring curiosity and stewardship of the natural world.

### Exploring Biodiversity Citizen Science Kit

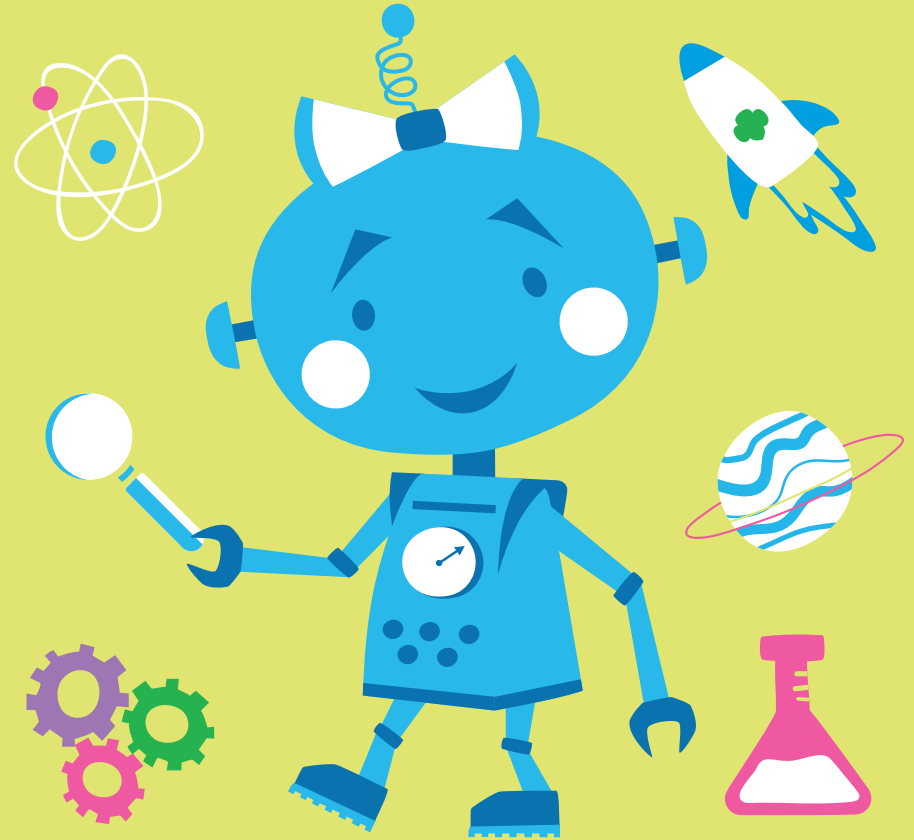
Dive into the fantastic world of biodiversity with the SciStarter Exploring Biodiversity Citizen Science Kit! Girl Scouts will investigate the variety of plants, animals, and insects in their own backyards or local parks by observing, recording, and sharing their findings with real scientists. They'll learn how every species plays an important role in our ecosystems and why protecting biodiversity matters. This program turns curiosity into action, inspiring girls to become young environmental explorers and citizen scientists.

### Measuring Light in the Night Sky Citizen Science Kit

Discover the secrets of the night with the SciStarter Measuring Light in the Night Sky Citizen Science Kit! Girl Scouts will learn how to measure and track light pollution in their neighborhoods by making careful observations of the night sky's brightness. Through hands-on activities, they'll understand how artificial light affects wildlife, ecosystems, and our ability to see the stars. This program empowers girls to become environmental scientists, raising awareness about protecting our natural night skies.

\*These kits are made possible by The NiSource Charitable Foundation and Columbia Gas.

# STEM Lab Program Options



The STEM Lab was made possible by  
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# Introducing the Edinboro STEM Lab

Located in the Edinboro Activity Center in Girl Scouts Western Pennsylvania's Edinboro office, the newly-unveiled STEM Lab is a place where Girl Scouts can engage with hands-on learning like never before. Featuring robotics software, science programming, and a wide range of program kits, the Edinboro STEM Lab is a place where technology comes to life.

## 2025-2026 Program Options

### Space Science Exploration

Blast off into discovery with hands-on space science activities. Girl Scouts will explore the wonders of the universe through engaging experiments and creative challenges such as modeling moon phases, constructing solar systems, discovering constellations, and investigating light with diffraction spectrometers. Whether peeking through a telescope or crafting a galaxy of their own, Girl Scouts will reach for the stars!

Supplies and activities are available to earn the following badges:

- Daisy Space Science Explorer
- Cadette Space Science Researcher
- Brownie Space Science Adventurer
- Senior Space Science Expert
- Junior Space Science Investigator
- Ambassador Space Science Master

### 3D Printer Pens

Bring ideas to life with 3Doodler Start+, Create+, and Chef pens! In this hands-on design program, Girl Scouts will explore 3D printing by drawing and building their own creations layer by layer. From wearable art to simple machines, they'll turn 2D sketches into 3D masterpieces using plastic or candy filament and their imagination. Available for use: 12 x 3Doodler Start+ and 12 x 3Doodler Create+

### Snap Circuits

Spark curiosity with Snap Circuits! In this electrifying program, Girl Scouts will build real working circuits by snapping pieces together to power lights, sounds, fans, and more. As they follow guided builds and try their own designs, they'll learn the basics of electricity, engineering, and problem-solving.

### Science of Color

Discover the rainbow of science! Girl Scouts will explore how light, reflection, and pigments work together to create the colors we see every day. Through hands-on experiments and creative art projects, girls will mix colors, make their own rainbow, and learn how science and art connect in surprising ways.

### MakerSpace

Step into a STEM MakerSpace where creativity and curiosity collide! Through fun, hands-on engineering challenges, Girl Scouts will explore how to solve problems creatively using a mix of craft supplies and everyday materials. As they tinker and test their ideas, Girl Scout Daisies, Brownies, and Juniors will work towards earning their Craft and Tinker badges. Whether they're inventing new gadgets or building simple machines, this space encourages imagination, collaboration, and confidence.

### Robotics

Get ready to roll, race, code, and create in this hands-on robotics adventure! Whether you're guiding Sphero's indi through colorful mazes, lighting up the track with Sphero's BOLT, snapping together magnetic Cubelets, or programming Edison to dance and dodge—this is the place where tech meets teamwork.

#### Sphero's indi

Race into the world of robotics with Sphero's indi! In this hands-on program, Girl Scouts will explore the basics of coding by designing colorful tracks that guide their robot using nothing but colored tiles. As they test, tinker, and troubleshoot, they'll discover how different colors give indi different commands.

#### Sphero's BOLT

Get ready to light up learning with Sphero's BOLT! In this exciting robotics program, Girl Scouts will use tablets to program their BOLT robots to move, spin, flash, and even communicate. Through challenges and team games, they'll explore block-based coding, sensors, and real-world problem solving.

#### Cubelets

Discover the power of building and coding with Cubelets! In this hands-on robotics program, Girl Scouts will snap together magnetic blocks that sense, think, and act—no screens required. By exploring how each Cubelet works and experimenting with different combinations, they'll learn the basics of logic, systems, and robot behavior.

#### Edison

Meet Edison—the little orange robot with big possibilities! In this interactive program, Girl Scouts will learn to program Edison using barcodes, remote controls, and block-based coding on a tablet. From line-following missions to clap-activated races, each activity builds problem-solving and coding skills in a fun and engaging way.