

Girl Scouts of North East Ohio STEM Programming

Check out Girl Scouts of North East Ohio's 2025 Spring and Summer STEM programming and join us at the brand new STEM Center of Excellence at Camp Ledgewood!

Visit gsneo.org/STEMCenter for more information and to register.

Questions? Contact STEM@gsneo.org

girl scouts 
of north east ohio

GSNEO STEM PROGRAMMING

Spring + Summer 2025

Questions? Email STEM@gsneo.org

CUSTOM CREATIONS

Learn, Design, Crate, and Decorate your own unique projects in these hands-on STEM workshops! Participants will use a variety of STEM equipment from Laser Cutters to Hand tools and Paint to Stamps!



Blooms and Buzz

D B J Adult Chaperone Required
STEM Center \$20 per girl
Wednesday, 6/18/2025 6:00:00 PM to 8:00:00 PM

Learn about pollination and plant your own pollinator-friendly flowers in this hands-on workshop, where kids explore nature and help the environment thrive!

Casual STEM Craft Night

D B J C S A Adult Chaperone Required for DBJ
STEM Center \$10 per girl
Wednesday, 6/11/2025 6:00:00 PM to 8:00:00 PM

Join us for a casual craft night! Drop in to create a fun craft, build a bridge, or 3D design something cool on your own in this creative, laid-back session!



Awesome Alebrijes!

J C S A
STEM Center \$15 per girl
Wednesday, 7/16/2025 6:00:00 PM to 8:00:00 PM

Learn about Alebrijes and create your own imaginary animal companion! Use a laser cutter to bring it to life, then paint and decorate your unique creation!

Build-a-Bouquet

D B J Adult Chaperone Required
STEM Center \$15 per girl
Saturday, 5/10/2025 10:00:00 AM to 12:00:00 PM

C S A
STEM Center \$15 per girl
Saturday, 5/10/2025 1:00:00 PM to 3:00:00 PM

Design, Fabricate, and Decorate your own wooden bouquet of flowers using the laser cutter for a special Mom in your life just in time for Mother's Day!

Design a Dream Journal

D B J Adult Chaperone Required
DreamLab \$20 per girl
Saturday, 7/26/2025 10:00:00 AM to 12:00:00 PM

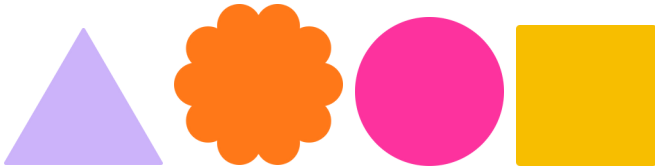
C S A
DreamLab \$20 per girl
Saturday, 7/26/2025 1:00:00 PM to 3:00:00 PM

Design a dream symbol, write an inspiring phrase, then bind and fabricate your own custom journal using bookbinding and digital tools!

Geo-Zoo-Art

B J C Adult Chaperone Required
Dream Lab \$15 per girl
Thursday, 6/26/2025 6:00:00 PM to 8:00:00 PM

Create your own geometric art of your favorite zoo animal using a laser cutter, hand tools, and silks in this fun, artistic workshop blending creativity and tech!



Magical Plant Mazes

D B J Adult Chaperone Required
STEM Center \$20 per girl
Saturday, 7/26/2025 10:00:00 AM to 12:00:00 PM

C S A
STEM Center \$20 per girl
Saturday, 7/26/2025 1:00:00 PM to 3:00:00 PM

Design your own maze and guide plants through it to reach the sunlight in this creative workshop, where nature and problem-solving come together!

Symbol Art

C S A
STEM Center \$20 per girl
Wednesday, 5/28/2025 6:00:00 PM to 8:00:00 PM

Learn about Adinkra Symbols before designing your own and fabricating your own jewelry, journal, and stickers!

Leather Workshop

D B J Adult Chaperone Required
DreamLab \$20 per girl
Saturday, 8/2/2025 10:00:00 AM to 12:00:00 PM

C S A
DreamLab \$20 per girl
Saturday, 8/2/2025 1:00:00 PM to 3:00:00 PM

Learn to make leather bracelets, earrings, bookmarks, or keychains using leather tools and stamps in this hands-on workshop, where creativity meets craftsmanship!

Natures Treasures

D B J Adult Chaperone Required
STEM Center \$20 per girl
Saturday, 8/2/2025 10:00:00 AM to 12:00:00 PM

Create your own treasure chest to hold the natural wonders you discover around camp and in the world!



Find all programs on the Events
Calendar to register!

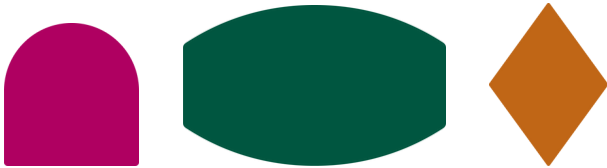
ENGINEERING CHALLENGES

Girls become real-world problem solvers! Each session challenges them with exciting scenarios where they design, build, and test creative solutions using STEM tools and teamwork. Innovation, resilience, and fun are at the heart of every challenge!

Rockets

C S A
STEM Center \$10 per girl
Saturday, 8/2/2025 1:00:00 PM to 3:00:00 PM

Experiment with aerodynamics as you design rockets from paper, straws, and clay—then launch them in a friendly competition to see whose flies farthest!



Parachutes – Special Engineering Day

D B J C S A Adult Chaperone Required for DBJ
STEM Center \$10 per girl
Saturday, 7/12/2025 10:00:00 AM to 12:00:00 PM

Explore gravity and air resistance as you design and test your own parachute—then compete to see whose creation lands the slowest and safest!

Pizza Pi Lunch!

D B J C S A Adult Chaperone Required for DBJ
STEM Center \$10 per girl
Saturday, 7/12/2025 12:00:00 PM to 1:00:00 PM

Are you attending both Engineering Challenges on July 12th? Why not join us for lunch!? We'll talk about pi and then eat Pizza Pie! (pizza, fruit, juice, water, popcicles provided)

Balloon Drop

C S A
STEM Center \$10 per girl
Wednesday, 8/6/2025 6:00:00 PM to 8:00:00 PM

Design a device to protect an water balloon using everyday materials—then test your engineering skills in an exciting drop challenge to see if it survives!

Towers and Bridges

D B J Adult Chaperone Required
STEM Center \$10 per girl
Saturday, 5/31/2025 10:00:00 AM to 12:00:00 PM

C S A
STEM Center \$10 per girl
Saturday, 5/31/2025 1:00:00 PM to 3:00:00 PM

Learn about the physics of architecture and engineering as we build towers or bridges then test them for strength!

Towers and Bridges – Special Engineering Day!

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Wind Warriors

C S A
STEM Center \$10 per girl
Wednesday, 6/11/2025 6:00:00 PM to 8:00:00 PM

Test your engineering skills as you design and experiment with wind turbines to generate the most energy in this exciting hands-on workshop!

GIRLS WHO BUILD

Girls will get hands-on with power tools, laser cutters, and more as they design and build their own custom projects. From idea to creation, they explore STEM through creativity, craftsmanship, and confidence-building maker experiences.

Bird Feeder

D B J Adult Chaperone Required
Dream Lab \$15 per girl
Saturday, 6/28/2025 10:00:00 AM to 12:00:00 PM

Design and build a bird feeder using natural materials and sparkles in this fun workshop, perfect for attracting feathered friends to your backyard!



Picture Frame

D B J Adult Chaperone Required
STEM Center \$20 per girl
Saturday, 6/14/2025 10:00:00 AM to 12:00:00 PM

C S A
STEM Center \$20 per girl
Saturday, 6/14/2025 1:00:00 PM to 3:00:00 PM

Design and build your own picture frame in this fun workshop—perfect for creating a heartfelt gift for a special dad in your life!

Bird House

D B J Adult Chaperone Required
STEM Center \$20 per girl
Saturday, 8/9/2025 10:00:00 AM to 12:00:00 PM

C S A
STEM Center \$20 per girl
Saturday, 8/9/2025 1:00:00 PM to 3:00:00 PM

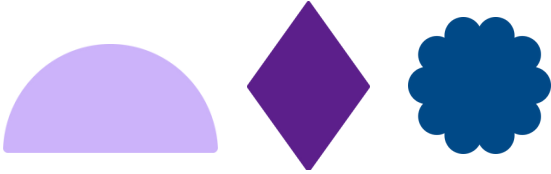
Design and build birdhouses for native birds in Northeast Ohio in this hands-on workshop, helping create cozy homes for local feathered friends!



Find all programs on the Events
Calendar to register!

SCIENCE SQUAD

Girls dive into hands-on chemistry experiments, biology explorations, and other fun scientific adventures. Curiosity leads the way as they investigate, experiment, and discover the wonders of the world around them!



Crystal Treefoils

D B J Adult Chaperone Required
STEM Center \$15 per girl
Saturday, 6/21/2025 10:00:00 AM to 12:00:00 PM

Design your own crystal treefoils and create rock sugar candy in this hands-on workshop, blending creativity and

Super Slime Scouts

D B J C Adult Chaperone Required for D B J
STEM Center \$15 per girl
Saturday, 7/19/2025 10:00:00 AM to 12:00:00 PM

Make fluffy, glittery, and color-changing slime while learning cool science in this hands-on, stretchy, squishy slime workshop!



Bubble Lab

D B J Adult Chaperone Required
STEM Center \$10 per girl
Wednesday, 7/30/2025 6:00:00 PM to 8:00:00 PM

Experiment with Bubbles as we make our own bubble mix, create GIANT bubbles, paint with bubbles, and 3D print our own bubble wands!

Rainbow Lab

B J Adult Chaperone Required
STEM Center \$15 per girl
Wednesday, 5/21/2025 6:00:00 PM to 8:00:00 PM

Explore rainbows using flowers, prisms, and liquids—then make your own rainbow with a laser-cut template to take home!

Water Lab

D B J Adult Chaperone Required
STEM Center \$10 per girl
Saturday, 6/7/2025 10:00:00 AM to 12:00:00 PM

C S A
STEM Center \$10 per girl
Saturday, 6/7/2025 1:00:00 PM to 3:00:00 PM

Test water quality and explore what's inside it under a microscope in this hands-on water lab.

Find all programs on the Events
Calendar to register!

STEAM ARTISTS

Blend creativity with science and tech as girls create stunning art projects infused with STEM. From light-up paintings to coded designs, they'll explore how innovation and imagination go hand in hand!

Abstract Artists

D B J Adult Chaperone Required
DreamLab \$10 per girl
Thursday, 7/10/2025 6:00:00 PM to 8:00:00 PM

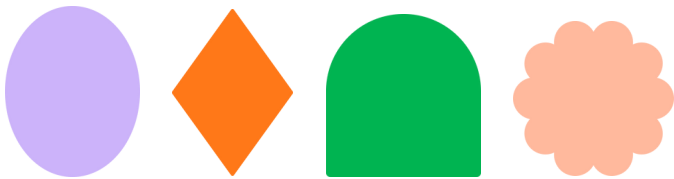
Use fine art techniques and robots to create your own abstract masterpieces, inspired by Jackson Pollock, in this creative, tech-infused workshop!

Glow Art

J C S A
STEM Center \$20 per girl
Wednesday, 7/9/2025 6:00:00 PM to 8:00:00 PM

C S A
DreamLab \$20 per girl
Sunday, 8/9/2025 1:00:00 PM to 3:00:00 PM

Design and create your own neon-like sign using glow wire in this hands-on workshop, where kids explore creativity and electrical art!



Printmaking Magic

J C S A
DreamLab \$15 per girl
Saturday, 7/19/2025 1:00:00 PM to 3:00:00 PM

Explore the art of printmaking using foam! Sketch, carve, and press your own unique designs to create bold, colorful prints.

Making Marvelous Math Art

J C S A
DreamLab \$15 per girl
Thursday, 7/31/2025 6:00:00 PM to 8:00:00 PM

Explore ratios, fractals, and the Fibonacci sequence while creating your own math art!

Nature Mandala

D B J Adult Chaperone Required
STEM Center \$10 per girl
Wednesday, 6/4/2025 6:00:00 PM to 8:00:00 PM

C S A
STEM Center \$10 per girl
Wednesday, 6/4/2025 6:00:00 PM to 8:00:00 PM

D B J Adult Chaperone Required
DreamLab \$10 per girl
Wednesday, 8/7/2025 6:00:00 PM to 8:00:00 PM

Use geometry to design a stunning mandala with natural materials found in the woods in this hands-on, nature-inspired workshop!

The Me I See

C S A
Dream Lab \$10 per girl
Saturday, 6/21/2025 1:00:00 PM to 3:00:00 PM

Celebrate your uniqueness through art! In this creative workshop, you will explore a variety of mediums to craft self-portraits full of personality.

TECH TASTIC

Girls dive into the world of robotics, coding, 3D printing, electronics, and more! Each session sparks creativity and confidence through hands-on tech exploration and invention.



Bitty Bots

D B J Adult Chaperone Required
STEM Center \$10 per girl
Saturday, 6/28/2025 10:00:00 AM to 12:00:00 PM

D B J Adult Chaperone Required
DreamLab \$10 per girl
Thursday, 7/17/2025 6:00:00 PM to 8:00:00 PM

Get hands-on with robotics in this introduction to indi robots! Learn the basics of building and programming while exploring how these unique robots work and move!

Electric Explorers

B J Adult Chaperone Required
STEM Center \$15 per girl
Wednesday, 5/14/2025 6:00:00 PM to 8:00:00 PM

Explore electricity by making circuits with playdoh, copper tape, snap circuits, and wire your own mini night light!

3D Printing 101

J C S A
STEM Center \$10 per girl
Wednesday, 7/23/2025 6:00:00 PM to 8:00:00 PM

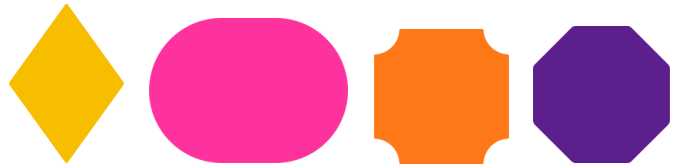
J C S A
Dream Lab \$10 per girl
Thursday, 7/24/2025 6:00:00 PM to 8:00:00 PM

Dive into the world of 3D printing! Learn the basics of design and technology while creating your own 3D printed Scout pin in this hands-on workshop!

Buzzy Bugz

B J Adult Chaperone Required
DreamLab \$15 per girl
Saturday, 8/9/2025 10:00:00 AM to 12:00:00 PM

Learn the basics of electric circuits and bring your creations to life by building your own buzzy bug in this fun, hands-on workshop!



Robotic Challenge

C S A
STEM Center \$10 per girl
Saturday, 6/28/2025 1:00:00 PM to 3:00:00 PM

Take on the challenge of coding a robotic arm! Test your programming skills to control movement and complete tasks in this exciting robotics coding workshop.

Find all programs on the Events
Calendar to register!

ADULT WORKSHOPS

Hands-on experiences in science, technology, engineering, art, and math for grown-ups! These workshops are great for troop leaders who want the STEM Center experience, and/or for anyone who wants to expand their own crafty skills!



Flower Epoxy Workshop

Adult 21+
STEM Center \$40 per participant
Tuesday, 7/22/2025 6:00:00 PM to 8:00:00 PM

Design your own unique suncatchers or jewelry using real dried flowers and epoxy! In this hands-on workshop, craft beautiful, nature-inspired pieces to keep or gift with love.



Crafting with Lasers

Adult 21+
STEM Center \$40 per participant
Tuesday, 6/24/2025 6:00:00 PM to 8:00:00 PM

Come enjoy some grown-up craft time as we create a custom welcome sign using laser-cut letters and flowers in this hands-on STEAM workshop blending design, engineering, and artistic flair.

Leather Work Workshop

Adult 21+
STEM Center \$40 per participant
Tuesday, 7/8/2025 6:00:00 PM to 8:00:00 PM

Learn to make leather bracelets, earrings, bookmarks, or keychains using leather tools and stamps in this hands-on workshop, where creativity meets craftsmanship!

Find all programs on the Events
Calendar to register!

STEM DAYS

Join us for a full day of STEM fun before school starts. Girls will learn about biomimicry and do a variety of projects based on the day's theme. Pack your own lunch, an afternoon snack will be provided.



Natural Naturalists

DB J C S A
STEM Center \$100 per girl
Tuesday, 8/12/2025 9:00:00 AM to 4:00:00 PM

From Hiking, planting trees, exploring life under a microscope, to creating a flower crown!

Totally Tech

DB J C S A
STEM Center \$100 per girl
Monday, 8/11/2025 9:00:00 AM to 4:00:00 PM

Girls will do a range of Techy activities throughout the day from electric circuits to 3D printing to painting with Robots!

Create and Construct

DB J C S A
STEM Center \$100 per girl
Thursday, 8/14/2025 9:00:00 AM to 4:00:00 PM

Build Towers, chairs, puzzles, and more during this day full of Engineering

Artful Adventures

DB J C S A
STEM Center \$100 per girl
Wednesday, 8/13/2025 9:00:00 AM to 4:00:00 PM

Use robots to create art, make bracelets with the laser, paint with sticks and leaves. It's going to be a day of Crafty Fun!



Find all programs on the Events
Calendar to register!

OVERNIGHT STEM CAMPS

Immersive overnight adventures where girls dive into themed STEM experiences—from space exploration to eco-engineering! Campers enjoy hands-on projects, night activities, and team challenges that blend science, creativity, and fun under the stars. Girls will also have plenty of time for traditional camp activities like hiking and swimming! Participants who attend these camps will spend time at the STEM Center working on projects!

Construction Academy

J
\$470 per girl
June 15th – 20th, Camp Ledgewood

Do you have a knack for building things, love working with numbers, or have an eye for design? Discover how schools, hospitals, and other buildings are designed and constructed through problem-solving workshops. Campers will take a field trip to a construction site to see building in action and visit the Carpenter's Training Center to practice some virtual welding and build a toolbox to take home.

Fabricate the Future

J
\$435 per girl
July 13th – 18th, Camp Ledgewood

Calling all creative, curious minds! Did you know that in ancient times, inventors built tools like catapults to defend their castles and protect their communities with incredible accuracy and precision? Now's your chance to bring that history to life! You'll build and test your own catapult, just like a medieval engineer, and see how the right design can make a powerful, precise machine.

Cosmic Explorers

B J C S A
\$435 per girl
June 8th – 13th, Camp Ledgewood

Get ready for an out of this world adventure! Discover the wonders of astronomy, the captivating history of space, and even unleash your creative side through art and mythology. Get ready to be amazed as you step into the STARLAB. But that's not all—you'll still spend time at the pool and around the campfire. Let's embark on this celestial journey of endless fun, curiosity, and pure wonder.

Hands-on-Horizons

J C
\$470 per girl
June 22nd -27th, Camp Ledgewood

Get ready for an out of this world adventure! Discover the wonders of astronomy, the captivating history of space, and even unleash your creative side through art and mythology. Get ready to be amazed as you step into the STARLAB. But that's not all—you'll still spend time at the pool and around the campfire. Let's embark on this celestial journey of endless fun

Whodunnit?

J C
\$435 per girl
June 13th- 18th, Camp Ledgewood

Mystery is afoot at Camp Ledgewood! Follow in the footsteps (and fingerprints) of Nancy Drew and Harriet the Spy as you solve puzzles, scavenger hunts, and riddles to find the source of the mischief at camp. Learn about fingerprints and how to crack and create secret codes. Always be on the lookout for clues as you participate in traditional camp activities such as archery and boating.

Up, Up, and Away!

C S A

\$435 per girl

July 20th – 25th, Camp Ledgewood

Take to the skies over Camp Ledgewood as you explore the world of drones. Get hands on experience flying and participate in projects focusing on flight skills. While you aren't zooming around the skies, you will have plenty of time for traditional camp activities such as swimming, hiking, and archery.

Glitter and Goo

B J

\$400 per girl

July 27th- 31st , Camp Ledgewood

Put on your lab coat and head to camp as a scientist! Experiment with static electricity, density, and chemical reactions. Learn to make your own ice cream and silly putty! Spend the rest of your time at camp swimming, hiking, and on the low ropes course.

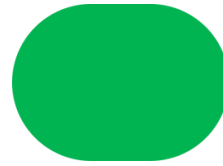
Nature Inspirations

B J C S

\$435 per girl

July 20th- 25th , Camp Ledgewood

Inspiration for innovations can come from anywhere. What can humans learn from nature here on Earth that can provide inspiration for exploration of space? You'll visit the STEM Center of Excellence, go on hikes, create art from natural materials, and design your own innovation inspired by your surroundings at camp. Take a brain break from your engineering projects by the pool or at the archery range.



Caverns, Crystals, and Crafts

J

\$410 per girl

July 27th- 31st , Camp Timberlane

Journey to Seneca Caverns where you will descend to 110ft. below the surface of the Earth and go mining to find the perfect stone to take back to camp with you and create your own piece of jewelry. While at camp, spend extra time in the craft room, creating jewelry and memories you will treasure for a lifetime. When you aren't crafting you will have plenty of time for traditional camp activities such as swimming

Find all programs on the Events
Calendar to register!



OTHER CAMP EXPERIENCES

Please see the GSNEO Full Summer Camp Guide for specifics about this type of camp.

WEEKLY DAY CAMPS

GSNEO is also offering a variety of weekly day camp options at Camp Ledgewood and Camp Timberline and the DreamLab. Some themes include: Patterns and Play and Silly Science!

ONE DAY PROGRAMS

These fun themed programs include Pirates, Campfires, Wizards, 3D Printing, CPR, Swimming and more!

FAMILY CAMP

Family Camp opportunities can be the start of a summer tradition with your family or close friends at camp. Enjoy staff-led activities like hiking, swimming, canoeing, campfires, archery, and games. Meet new friends, experience adventure, or simply relax! Programs are open to registered Girl Scouts and their adults.

CORE CAMP

CORE Camp is a great opportunity for troops to camp for a weekend while the resident camp staff is there to provide programming and support.

about this type of camp.

COMMUNITY DAY CAMP

Community Day Camps offer outdoor adventures in local connections and led by dedicated Girl Scout volunteers. Each camp provides a unique opportunity for campers and adults to come together, fostering teamwork and creating lasting memories.



Find all programs on the Events Calendar to register!