



Troop Check-Out Resources: STEM Program Kits

What is a STEM Kit?

A STEM Kit is a detailed curriculum box that your Girl Scout troop can use to expand your Girl Scout experience. Each kit contains a program guide or instructions, and permanent supplies. Program Kits can be specific to a Girl Scout program level or can be multilevel. Each Program Kit is different. Refer to the Program Kit you are interested in for details.

GSEOK's STEM kits are available to borrow at no cost to leaders and can be delivered to any council office for pickup.

AVAILABLE KITS:

Making Things Move GoldieBlox Kit – Daisies

Through the partnership of GSUSA and GoldieBlox™, we are offering girls the opportunity to hone their mechanical engineering skills. Our GoldieBlox Mechanical Engineering STEM Kits allow Daisies and Brownies to earn 3 different badges each. Daisies can earn 3 badges in just one kit: Board Game Design Challenge, Model Car Design Challenge, and Roller Coaster Design.

Program Topic: Engineering

Checkout Time: 30 days

Girl Scouts Levels: d

Locations & Quantity: Tulsa (2)

Badge & Journey Connections: Board Game Design Challenge, Model Car Design Challenge, Roller Coaster Design

Made possible by: GSUSA & GoldieBlox

Making Things Zoom GoldieBlox Kit – Brownies

Through the partnership of GSUSA and GoldieBlox™, we are offering girls the opportunity to hone their mechanical engineering skills. Our GoldieBlox Mechanical Engineering STEM Kits allow Daisies and Brownies to earn 3 different badges each. Brownies can earn 3 badges in just one kit: the Fling Flyer Design Challenge, Leap Bot Design Challenge, and Race Car Design Challenge.

Program Topic: Engineering

Checkout Time: 30 days

Girl Scouts Levels: b

Locations & Quantity: Tulsa (3)

Badge & Journey Connections: Fling Flyer Design Challenge, Race Car Design Challenge, Leap Bot Design Challenge

Made possible by: GSUSA & GoldieBlox

VEX IQ MIA Robots

The Robotics Education & Competition (REC) Foundation, along with the Girl Powered Initiative is proud to partner with Girl Scouts to present the VEX IQ Mia robot kit to help girls earn their Robotics badge. These robots uses rubber bands to propel themselves, teaching girls the basics of building and iterative design. This kit contains the components for 6 buildable robots.

Program Topic: Robotics

Checkout Time: 2 weeks

Girl Scouts Levels: d, b, j

Locations & Quantity: Ada (2), Bartlesville (2), Muskogee (2), McAlester (2), Stillwater (2), Tulsa (8)

Badge & Journey Connections: How Do Robots Move, Designing Robots, Showcasing Robots

Made possible by: Robotics Education & Competition (REC) Foundation

Coding Kits – Beginner

This kit includes 12 Ozobots & 4 Amazon Fire Tablets, with software like codeSpark Academy and Ozoblockly already downloaded. Ozobots are tiny robots that love colors and can be controlled by students using pen and paper, tablets, or computers.

Program Topic: Coding, robotics, computer science

Checkout Time: 2 weeks

Girl Scouts Levels: d, b, j

Locations & Quantity: Tulsa (1)

Badge & Journey Connections: How Robots Move, Programming Robotics, Coding Basics, & Digital Game Design

Made possible by: Mariner Wealth Advisors

Coding Kits – Intermediate

This kit includes 8 Sphero minis and 8 AmazonFire tablets, with software like codeSpark Academy and Ozoblockly already downloaded.

Program Topic: Coding, robotics, computer science

Checkout Time: 2 weeks

Girl Scouts Levels: c, s, a

Locations & Quantity: Tulsa (2)

Badge & Journey Connections: Programming Robotics, Coding Basics, & Digital Game Design

Made possible by: Mariner Wealth Advisors

Rocks, Minerals, & Fossils Kit

Bring earth science to life with a museum-quality collection of rocks, minerals and fossils donated by the Oklahoma Geological Foundation. Genuine fossils including prehistoric shark teeth, gastropods, ammonites, clams, brachiopods, and more. Use the included magnifying glass full-color learning guide and identification sheet to help you sort and identify every rock gemstone mineral and fossil in the kit.

Program Topic: Earth science, geology, physical science

Checkout Time: 2 weeks

Girl Scouts Levels: d, b, j, c, s, a

Locations & Quantity: Tulsa (1)

Made possible by: Oklahoma Geological Foundation