

These are Badge Resource Kits to help your girl(s) explore new badges or topics or just for fun!

Look through this guide and request a kit through our online form for pick up at your nearest council office. It may take up to 3 weeks to transfer kits between offices. Kits have suggested levels and badges but feel free to get creative with them! ***Some kits require a refundable deposit of \$100/kit.***

**Request a kit here:** <https://form.jotform.com/220615724694055>

Kits Available:

**Name:** Marble Runs Kit 1

**Levels:** All

**Badges:** As you Arrive Activity, Engineering Journey, Game Design.

**Time for Preparation:** 15 minutes to familiarize.

**Time for Activity:** 30-60 minutes

**Description:** Help the girls learn how to think critically about motion, and design and problem solving.

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** OZOBOTS Kit 1

**Levels:** All

**Badges:** Think Like a Programmer Journey, Coding For Good 1 , Robotics 1

**Time for Preparation:** overnight to charge bots, and 60 minutes to familiarize self with materials

**Time for Activity:** 60-90 minutes

**Description:** Program a journey, game, or race for the ozobots to learn about robots, coding and programming!

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100) Each kit is 2 parts: 1 tub, 1 folder

**Check-In Instructions:**

**Name:** Science of Light Kit 1

**Levels:** All

**Badges:** Space Science Badges

**Time for Preparation:** 35 min to read through

**Time for Activity:** 10-45 minutes

**Description:** Discover light in all its forms! Visible and Invisible this kit helps your girls discover the science behind the light all around them!

**Deposit or Items Needed:** paper, pens/pencils, sunscreen, sunglasses, regular glasses, cloth, hats, window glass, water, smartphone, digital camera, remote controls for TV or other devices, various light sources.

**Check-In Instructions:**

**Name:** Daisies: Cheese Making Kit 1

**Levels:** D

**Badges:** Lupe's (Honest & Fair), It's your story - Tell it Journey: 5 flowers, 4 Stories, 3 Cheers for Animals, Think like a Citizen Scientist Journey

**Time for Preparation:** 20 minutes to read-through or shop.

**Time for Activity:** 60 minutes plus clean up

**Description:** Take a risk, and observe how cheese is made. Discuss the importance of animals in our world and where food comes from. Learn about proteins and acid and the chemical change milk goes through to become cheese.

**Deposit or Items Needed:** Kitchen/Stove/hot plate, 1 gallon of 1-2% pasteurized milk (NOT Ultra pasteurized), a large pot, a large bowl, wooden spoon, Thermometer (opt.), Oven mitt, Crackers to eat your cheese with!, bathroom to wash up hands.

**Check-In Instructions:** Replace vinegar/salt if less than 1/3 of bottle/tub remains, let us know if we are low on other items.

**Name:** Daisies: Lunar Lollipops

**Levels:** D

**Badges:** Space Science Explorer

**Time for Preparation:** 30 min for read-through, making copies of handout.

**Time for Activity:** 30 minutes

**Description:** The girls will learn the different phases of the moon and how the moon affects our planet.

**Deposit or Items Needed:** Tape for taping lamp cord down, handout copies

**Check-In Instructions:**

**Name:** Daisies: Pop Rockets

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**Levels:** D

**Badges:** Tula (Courageous and Strong), Think like an Engineer Journey

**Time for Preparation:** 20 minutes to read-through.

**Time for Activity:** 45-60 minutes

**Description:** Think like an engineer as you design your very own rocket! Could you be courageous and brave to take a risk with your design?

**Deposit or Items Needed:** scissors

**Check-In Instructions:** Replace if they get low: cardstock, Alka Seltzer tablets, and tape. Sharpen pencils before returning, please.

**Name:** Daisies: Robo Create

**Levels:** D

**Badges:** Think Like a Programmer Journey, Coding For Good 1 Coding Basics, Robotics Bages

**Time for Preparation:** 15 minute read-through of instructions

**Time for Activity:** 30-45 minutes

**Description:** Learn to apply simple programing language and program Robo Regina to complete the mission!

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Daisies: Program Your Friend

**Levels:** D

**Badges:** Think Like a Programmer Journey, Coding For Good 1 Coding Basics

**Time for Preparation:** 15 minute read-through of instructions

**Time for Activity:** 30-45 minutes

**Description:** Learn to apply simple programing language and program your very own "robot" friend to help with a task.

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Goldiblox Daisy Engineering Journey Kit 1

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**Levels:** D

**Badges:** DAISY: Mechanical Engineering Series

**Time for Preparation:** 1 day to look through materials and prepare.

**Time for Activity:** 90 minutes or 3 meetings

**Description:** This kit covers all 3 Mechanical Engineering Badges for 6 girls.

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100)

**Check-In Instructions:** ALL Pieces are unique to this kit and must be counted when returned.

**Name:** Domino Stacking Tiles Kit 1

**Levels:** D-A

**Badges:** As you arrive activity

**Time for Preparation:** 30 minutes to find badgework or inspiring materials

**Time for Activity:** 30-90 minutes

**Description:** Create a domino run with these colorful tiles. Maybe meet an engineering challenge?

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Eyes at Night Hike

**Levels:** D-A

**Badges:** ALL: Camping, Trail, Space Science Badges, Outdoor Journeys, DAISIES: Tula: Courageous and Strong, 5 flowers, 4 stories, and 3 cheers for Animal Journey BROWNIES: Hiker, Senses, JUNIORS: Animal Habitat, Get moving Journey, CADETTES: Night Owl SENIOR: Sky,

**Time for Preparation:** 1-2 day to look through materials and prepare.

**Time for Activity:** 30-60 minutes

**Description:** What animals are nocturnal? Discover the animal visitors on a night hike with this kit!

**Deposit or Items Needed:** Flashlights.

**Check-In Instructions:**

**Name:** Lava Lamp

**Levels:** D-B

**Badges:** Think Like and Citizen Scientist/Engineer Journey, BROWNIES: Home Scientist

**Time for Preparation:** 30 minutes read through and making a demo.

**Time for Activity:** 45-60 minutes

**Description:** What happens when we introduce oil and water? How about when we mix in a fizzy tablet? How do these elements react to one another? How do we use chemical reactions in everyday life?

**Deposit or Items Needed:** table covers, hammer and nail to make holes in lids.

**Check-In Instructions:** Water bottles, Alka Seltzer, vegetable oil, food coloring if used up.

**Name:** Robot Turtle Boardgame

**Levels:** D-B

**Badges:** ALL: Programing/Coding Journeys

**Time for Preparation:** 1 hour to read thru and familiarize. Check out YouTube video for playthrough.

**Time for Activity:** 60-90 minutes

**Description:** Can you get your turtle to their gem? This game is designed and solved by you and has the capacity to be played from daises to adults! 4 player board game pieces do not move on their own

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please put everything back into it's baggies.

**Name:** Brackitz

**Levels:** D-J

**Badges:** Think Like Engineer Journey, Mechanical Engineering, As you arrive activity

**Time for Preparation:** designing an activity to use block for.

**Time for Activity:** 5-30 minutes

**Description:** Use these building tools to think about how to make new designs and solve problems, or just play and create while waiting for friends to arrive!

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Code n Go Mouse and Maze Kit 1

**Levels:** D-J

Troop Resources for Check Out  
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**Badges:** ALL: Programing/Coding Journeys

**Time for Preparation:** 1 hour to read thru and familiarize

**Time for Activity:** 60-90 minutes

**Description:** It's up to your girls to guide Colby the Mouse through a maze of their creation! Use coding techniques to program Colby's route to his cheese!

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries from mouse.

**Name:** Leave No Trace PEAK Programming K-5th grade

**Levels:** D-J

**Badges:** ALL: Eco Badges, Camping and Trail badges, Outdoor and Citizen Scientist Journeys DAISIES: Sunny: Friendly and Helpful, Zinni: Considerate and Caring, Mari: Responsible for what I say and do, Clover: Use Resources Wisely, Rosie: Make the World a Better Pl

**Time for Preparation:** 1 day to look through materials and prepare.

**Time for Activity:** 30 minutes -3 days.

**Description:** This comprehensive guide can teach younger girls the 7 Leave No Trace Principles to lighten their impact on the planet, can use the whole guide or draw inspiration from it and use for multiple badges/journeys. MAY 2020 Online Training available through In

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** OSMO Kit 1

**Levels:** D-J

**Badges:** Coding for Good Badges 1 and 2, Brownies: Computer Expert, Juniors: Musician.

**Time for Preparation:** 60 minutes to familiarize self with units/ Charge tablet.

**Time for Activity:** 45-90 minutes

**Description:** OSMO help girls learn how to think critically, engage with technology and even preform simple coding to make their own game, or music to jam to!

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100), Access to Wi-Fi/Email.

**Check-In Instructions:**

**Name:** Makey Makey

**Levels:** B - A

**Badges:** Coding for Good Badges 1 and 2, Brownies: Computer Expert, Juniors: Musician.

**Time for Preparation:** 60 minutes to familiarize and look up activities

**Time for Activity:** 45-90 minutes

**Description:** With Makey Makey everyday objects are transformed into touchpads empowering students to interact with computers as creative tools. The computer becomes an extension of their creativity, fostering imaginative play and discovery. Screen time, so often the b

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100), Access to Wi-Fi/Email.

**Check-In Instructions:**

**Name:** Brownies: Computer Expert: Pancake Game

**Levels:** B

**Badges:** Think like a programmer journey, Coding for Good 1: Coding Basics, Brownies: Computer Expert

**Time for Preparation:** 0-10 minutes to try it out before the girls do.

**Time for Activity:** 10-20 minutes

**Description:** Learn how computers "talk" to one another and pass code with this simple looking but fun challenge.

**Deposit or Items Needed:** patience

**Check-In Instructions:**

**Name:** Brownies: Leap Bots! Kit 1

**Levels:** B

**Badges:** Mechanical Engineering #2

**Time for Preparation:** 30 minutes to look at badge and materials and make example

**Time for Activity:** 30-60 minutes

**Description:** Build your own leaping bot and see how high it will go! There are 3 bases from which your bots can leap!

**Deposit or Items Needed:** None.

**Check-In Instructions:**

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**Name:** Goldiblox Brownie Engineering Journey Kit 1

**Levels:** B

**Badges:** BROWNIE: Mechanical Engineering Series

**Time for Preparation:** 1 day to look through materials and prepare.

**Time for Activity:** 90 minutes or 3 meetings

**Description:** This kit covers all 3 Mechanical Engineering Badges for 6 girls.

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100)

**Check-In Instructions:** ALL Pieces are unique to this kit and must be counted when returned.

**Name:** Making Paper

**Levels:** B-A

**Badges:** BROWNIES: Household Elf JUNIORS: Gardener (Seed paper), CADETTES: Book Artist SENIORS: Textile Artist, or Collage Artist AMBASSADORS: Outdoor Art Master, Water

**Time for Preparation:** 30 minutes to look at badge and materials and make example

**Time for Activity:** 60-90 minutes

**Description:** Reuse and Recycle paper and make something beautiful and useful! Pulp your own paper, strain and arrange it and let it dry then send a lovely letter or use it in an art piece!

**Deposit or Items Needed:** Scrap paper and water. Optional add ins: string, leaves, petals, seeds, or glitter.

**Check-In Instructions:** Please return all things clean and dry.

**Name:** GPS Units

**Levels:** B-A

**Badges:** Juniors: Geocaching, Brownies: Letterboxing, Outdoor Journeys, Trail Adventure Badges, Camper Badges

**Time for Preparation:** 30 minutes to familiarize self with units/ test batteries

**Time for Activity:** 1-4 hours!

**Description:** GPS units can be used in so many ways to help your girls find their way!

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100), You may want: coordinates, geo trackers/coins/ bugs, optional smartphone with Geocache app.

**Check-In Instructions:** Please remove all batteries when returning.



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**Name:** Jewelry Kit 1

**Levels:** B-A

**Badges:** ALL: As you arrive activity, GS Way (SWAP/friendship bracelets) BROWNIES: Making Friends JUNIORS: Jewelry CADETTE: Amaze Journey SENIOR: Mission: Sisterhood Journey

**Time for Preparation:** 1 hour to read thru and familiarize

**Time for Activity:** 60-90 minutes

**Description:** Do you want to sparkle? Shimmer? Or simply let your friends know they rock? Build a special piece of jewelry or a rad friendship bracelet with this kit.

**Deposit or Items Needed:** charms, or specific pieces/hand made beads.

**Check-In Instructions:** Please keep pieces organized and let us know what is getting low.

**Name:** Our Place in the Universe: Moon Phases and Eclipse Science

**Levels:** B-A

**Badges:** Space Science Badges

**Time for Preparation:** 60-90 min to read-through and download smart phone apps.

**Time for Activity:** 30-90 minutes

**Description:** How big is the Earth? How do moon phases work? What is a solar eclipse and how can we view it safely?

**Deposit or Items Needed:** index cards, measuring tape at least 65', objects to represent planets, darkened room, single bulb lamp (40-60 watt), tape for taping lamp cord to floor, Smart phones, string and tape, notebook, pens/pencils/ outdoor location.

**Check-In Instructions:**

**Name:** Pedometers (Step Counters)

**Levels:** B-A

**Badges:** ALL: Trail Adventure badges BROWNIES: Hiker, My Best Self JUNIORS: Staying Fit CADETTES: Trailblazing, EcoTreker, SENIORS: Women's Health, Traveler AMBASSADOR: Coaching, Ultimate Recreational Challenge

**Time for Preparation:** 30 minutes to find badgework or inspiring materials

**Time for Activity:** 30 minutes to a week or so of tracking

**Description:** Clip this counter to your waistband and count your steps to a healthier future!

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Snap Circuits Alternative Energy Kit 1

**Levels:** B-A

**Badges:** Coding for Good 1, Think like a Programmer/Citizen Scientist Journey, It's your Planet Love it Journey, Eco Badges. Brownies: Household Elf

**Time for Preparation:** Charge battery pack at least an hour before use.

**Time for Activity:** 30-90 minutes

**Description:** Programming is a snap with these kits. Explore the different options and flow of energy using these snap together pieces.

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

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**Request a kit here:** <https://girlscoutskshheartland.wufoo.com/forms/k1kuioxx195g42l/>

Kits Available:

**Name:** Manual Switchboard

**Levels:** B-C

**Badges:** Coding for Good 1, Think like a Programmer Journey

**Time for Preparation:** 30 minute read-thru

**Time for Activity:** 30-60 minutes

**Description:** Learn how using electric circuits and 7 simple lines can create every number. Much like a scoreboard!

**Deposit or Items Needed:** None.

**Check-In Instructions:** None.

**Name:** Snap Circuits Kit 1

**Levels:** B-A

**Badges:** Coding for Good 1, Think like a Programmer Journey

**Time for Preparation:** 0-5min

**Time for Activity:** 30-90 minutes

**Description:** Programming is a snap with these kits. Explore the different options and flow of energy using these snap together pieces.

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

**Name:** Snap Circuits Kit 2

**Levels:** B-A

**Badges:** Coding for Good 1, Think like a Programmer Journey

**Time for Preparation:** 0-5min

**Time for Activity:** 30-90 minutes

**Description:** Programming is a snap with these kits. Explore the different options and flow of energy using these snap together pieces.

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

**Name:** Snap Circuits Kit 3

**Levels:** B-A

**Badges:** Coding for Good 1, Think like a Programmer Journey

**Time for Preparation:** 0-5min

**Time for Activity:** 30-90 minutes

**Description:** Programming is a snap with these kits. Explore the different options and flow of energy using these snap together pieces.

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

**Name:** Code n Go Mouse Mania board game

**Levels:** B-C

**Badges:** ALL: Programing/Coding Journeys

**Time for Preparation:** 1 hour to read thru and familiarize

**Time for Activity:** 60-90 minutes

**Description:** Code your path to gather all the cheese wedges before your friends! (4 player Boardgame- doesn't move on own)

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please put everything back into it's baggies.

**Name:** Magnetic Slime Kit

**Levels:** B-C

**Badges:** Brownies: Home Scientist, All levels: Think like a Citizen Scientist Journey

**Time for Preparation:** 30 minutes to familiarize self with units/ make a demo batch

**Time for Activity:** 45-90 minutes

**Description:** You've no doubt made slime, but have you made magnetic slime?! This takes your slime to the next level as girl explore the properties of this house hold science experiment.

**Deposit or Items Needed:** Please dispose of left over slime.

**Check-In Instructions:** Please replace glue, liquid starch if low

**Name:** Resourceful Rafts

**Levels:** B-J

**Badges:** Think like an Engineer Journey, Juniors: Mechanical Engineering Badge 2-Paddle Boat,

**Time for Preparation:** 20 minute read-through and fill tub with water

**Time for Activity:** 30-90 minutes

**Description:** Using items found at home create your own Life Raft! What materials make the best raft? Test your design! Juniors can use this to prep for building their Paddle Boat Badge

**Deposit or Items Needed:** Paper, pens/pencils, water, towels, more scissors, rocks, marbles, beads, or waterproof toys to test buoyancy.

**Check-In Instructions:** If straws, tape, cups, or trash bags run low please resupply.

**Name:** Sinking Ship

**Levels:** B-J

**Badges:** Think Like an Engineer Journey, Junior Mechanical Engineering- Paddle Boat Design Badge

**Time for Preparation:** 20 minute read-through and fill tub with water

**Time for Activity:** 30-90 minutes

**Description:** Design your very own boat! How much weight can your boat hold before it sinks? Test critical design skills with this wet and fun kit! Juniors can use this to prep for building their Paddle Boat Badge

**Deposit or Items Needed:** Water, towels

**Check-In Instructions:** Please dry tub, and weights thoroughly before returning.

**Name:** Squishy Circuits

**Levels:** B-J

**Badges:** Brownies: Home Scientist, Think like a Citizen Scientist Journey

Troop Resources for Check Out  
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**Time for Preparation:** Charge battery pack at least a few hours before use.

**Time for Activity:** 45-90 minutes

**Description:** Whip up some science with household items! Make a light bulb light up using play dough made from household materials!

**Deposit or Items Needed:** Water, towels, bowls Also check out Battery Charger for Squishy Circuits

**Check-In Instructions:** Refill sugar, salt, white flour, lemon juice, vegetable oil if low. Toss dough- Do not return.

**Name:** Bug Kit 1 w/ 3 Digital Microscopes

**Levels:** B-J

**Badges:** ALL: Citizen Scientist Journeys, DAISY: Tula: Courageous and Strong, All 3 Journeys BROWINES: Bugs, JUNIOR: Flowers, Gardner

**Time for Preparation:** 1-2 hours to familiarize self with microscope- especially if projecting to larger screen.

**Time for Activity:** 60-90 minutes

**Description:** Do creepy crawlers entice your girls? Do they want to see the world on a microscopic level? Hop into it with the catchers and magnify your girl's experience!

**Deposit or Items Needed:** bugs, nice day?

**Check-In Instructions:** Please remove all bugs before returning

**Name:** Juniors: Robotic Hand

**Levels:** J

**Badges:** Robotics 1 and 2, Product Designer, Think Like a Citizen Scientist Journey, Programmer Journey

**Time for Preparation:** 15 minutes to familiarize.

**Time for Activity:** 30-60 minutes

**Description:** Help the girls learn how robotics can move and how to design movement in designs.

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Juniors: Electromagnetic Coils

**Levels:** J

**Badges:** Juniors: Product Designer, Citizen Scientist Journey

**Time for Preparation:** 30 minutes to Familiarize

**Time for Activity:** 60-90 minutes

**Description:** Building your own magnet is an exciting experiment to understand how electromagnets work. It could open discussion up for how we use them in today's technology.

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

**Name:** Making Clouds

**Levels:** J- S

**Badges:** Juniors: Space Science Investigator, Seniors: Sky

**Time for Preparation:** 30 minutes to Familiarize/Set up

**Time for Activity:** 30-60 minutes

**Description:** How do Clouds form? This simple experiment can demonstrate!

**Deposit or Items Needed:** Water

**Check-In Instructions:**

**Name:** 3Doodler (3D Plastic Building Pens)

**Levels:** J-A

**Badges:** J-A: Engineering Journey

**Time for Preparation:** 1 day to look through materials and prepare.

**Time for Activity:** 30-60 minutes

**Description:** Use cards included to create your design! Draw whatever you like in 3d! Test new designs, make new inventions!

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100)

**Check-In Instructions:** Plastic must be cleaned out of each pen and kit must be refilled with plastic, available in the shop.

**Name:** 3Doodler (Architect)

**Levels:** J-A

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**Badges:** J-A: Engineering Journey

**Time for Preparation:** 1 day to look through materials and prepare.

**Time for Activity:** 30-60 minutes

**Description:** Use cards included to create your design! Draw whatever you like in 3d! Test new designs, make new inventions!

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100)

**Check-In Instructions:** Plastic must be cleaned out of each pen and kit must be refilled with plastic, available in the shop.

**Name:** 3Doodler (Robotic Kit)

**Levels:** J-A

**Badges:** J-A: Engineering Journey, Programming Robotics Series

**Time for Preparation:** 1 day to look through materials and prepare.

**Time for Activity:** 30-60 minutes

**Description:** Use cards included to create your design! Draw whatever you like in 3d! Test new designs, make new inventions!

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100)

**Check-In Instructions:** Plastic must be cleaned out of each pen and kit must be refilled with plastic, available in the shop.

**Name:** Almubot Robot Kit (Blue: Blister)

**Levels:** J-A

**Badges:** J-A: Programming Robotics

**Time for Preparation:** 30 minutes to familiarize

**Time for Activity:** 60-90 minutes

**Description:** Build and control your Robot! This building block kit takes you through step by step to build your own bot! Get both kits and race or battle bots.

**Deposit or Items Needed:** flat surface

**Check-In Instructions:** Please remove batteries from control.

**Name:** Almubot Robot Kit (Red: Battlefield I)



Troop Resources for Check Out  
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**Levels:** J-A

**Badges:** J-A: Programing Robotics

**Time for Preparation:** 30 minutes to familiarize

**Time for Activity:** 60-90 minutes

**Description:** Build and control your Robot! This building block kit takes you through step by step to build your own bot! Get both kits and race or battle bots.

**Deposit or Items Needed:** flat surface

**Check-In Instructions:** Please remove batteries from control.

**Name:** Digital Cameras Kit 1

**Levels:** J-A

**Badges:** Juniors: Digital Photographer, CADETTES: Marketing, digital Movie Maker, Media Journey  
SENIOR: Truth Seeker, GIRLtopia Journey, Traveler, Sky, Room Makeover, Collage Artist AMBASSODOR:  
Photographer, ALL: Outdoor Journeys and Outdoor Art Badges,

**Time for Preparation:** Overnight to charge cameras

**Time for Activity:** 60-?

**Description:** Cameras to use to tell your story or show your progress!

**Deposit or Items Needed:** REFUNDABLE DEPOSIT REQUIRED (\$100)

**Check-In Instructions:**

**Name:** KNEX: Roller Coaster

**Levels:** J-A

**Badges:** Juniors: Entertainment Technology, Product Design, All: Engineering Journey,

**Time for Preparation:** 30 minutes to Familiarize

**Time for Activity:** 60-90 minutes

**Description:** How do roller coasters work? Build your own to understand the thrill of the ride!

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

**Name:** KNEX:3 in 1 Amusement Park Rides

**Levels:** J-A

**Badges:** Juniors: Entertainment Technology, Product Design, All: Engineering Journey,

**Time for Preparation:** 30 minutes to Familiarize

**Time for Activity:** 60-90 minutes

**Description:** Carousels, Ferris wheels and more! How do these common amusement park rides work? Build your own to find out!

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

**Name:** Orienteering and Compasses

**Levels:** J-A

**Badges:** J-A: Camping, Trail badges and Outdoor Journeys, CADETTES: Eco Trekker SENIOR: Traveler, Adventurer, AMBASSADOR: Ultimate Recreation Challenge,

**Time for Preparation:** 1-2 day to look through materials and prepare.

**Time for Activity:** 30-60 minutes

**Description:** Learning to orient yourself in the world and find your way anywhere, using maps, compasses, and coordinates.

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Snap Circuits Kit 4

**Levels:** J-A

**Badges:** Coding for Good 1, Think like a Programmer Journey

**Time for Preparation:** 0-5min

**Time for Activity:** 30-90 minutes

**Description:** Programming is a snap with these kits. Explore the different options and flow of energy using these snap together pieces.

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please remove batteries and place pieces back in box properly.

**Name:** Snap Circuits Kit 5

Troop Resources for Check Out  
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**Levels:** J-A

**Badges:** Coding for Good 1, Think like a Engineering Journey, Junior Mechanical Engineering Badges

**Time for Preparation:** 0-5min

**Time for Activity:** 30-90 minutes

**Description:** Engineer your structure and then power it with Snap Circuits!

**Deposit or Items Needed:** None.

**Check-In Instructions:** (Piece S1 on/off switch missing) Please remove batteries and place pieces back in box properly.

**Name:** Solar Rovers Kit

**Levels:** J-A

**Badges:** Citizen Scientist Badges, Outdoor Journeys, Space Science (solar), and Eco Badges (alternative energy), Junior: Mechanical Engineering 1

**Time for Preparation:** 1 hour to read thru and familiarize

**Time for Activity:** 60-90 minutes

**Description:** Harness the sun's energy and reuse a can or bottle to make a solar rover! Race them outside!

**Deposit or Items Needed:** cans or empty bottles to turn into cars, Sunlight

**Check-In Instructions:**

**Name:** Virtual Reality Cardboard Viewers for Smartphones

**Levels:** J-A

**Badges:** As you arrive activity, Depending on program on phone can be applied to countless badge series including, Space Science.

**Time for Preparation:** 60 minutes to look at badge and materials and set up and test app.

**Time for Activity:** 30-60 minutes

**Description:** Look at the stars or go explore a national monument, or even inside the human body, from wherever you are with your smartphone these virtual reality viewers make it seem like you are right there!

**Deposit or Items Needed:** Smartphones with VR apps (Free ones in instructions)

**Check-In Instructions:**

**Name:** Coin Sorter

**Levels:** J-C

**Badges:** Juniors: Product Designer, Savvy Shopper Cadettes: Budgeting

**Time for Preparation:** 30 minutes to Familiarize/Set up

**Time for Activity:** 30-60 minutes

**Description:** How does a coin sorter "know" how to sort coins? Explore how good design can help us in everyday life and count your change!

**Deposit or Items Needed:** Coins

**Check-In Instructions:**

These are Badge Resource Kits to help your girl(s) explore new badges or topics or just for fun!

Look through this guide and request a kit through our online form for pick up at your nearest council office. It may take up to 3 weeks to transfer kits between offices. Kits have suggested levels and badges but feel free to get creative with them! ***Some kits require a refundable deposit of \$100/kit.***

**Request a kit here:** <https://girlscoutskshheartland.wufoo.com/forms/k1kuioxx195g42l/>

Kits Available:

**Name:** CSI Kit: Lie Detector

**Levels:** J-S

**Badges:** JUNIORS: Detective, CADETTES: Special Agent SENIORS: Truth Seeker,

**Time for Preparation:** 1 hour to read thru and familiarize

**Time for Activity:** 60-90 minutes

**Description:** Who dun it? Dive into the world of detectives and searching for clues with these hands on activities to explore common mystery solving techniques. Can you pass the lie detector?

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please recycle used paper. Please remove batteries from lie detector.

**Name:** CSI Kit: Morse Code

**Levels:** J-S

**Badges:** JUNIORS: Detective, CADETTES: Special Agent SENIORS: Truth Seeker,

**Time for Preparation:** 1 hour to read thru and familiarize

**Time for Activity:** 60-90 minutes

**Description:** Who dun it? Dive into the world of detectives and searching for clues with these hands on activities to explore common mystery solving techniques. Brush up on your Morse code and other secret communication.

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please recycle used paper.

**Name:** Cadettes: Comic Book Drawing

**Levels:** C

**Badges:** Comic Book Artist

**Time for Preparation:** 30 minutes to familiarize

Troop Resources for Check Out  
Badge Resource Kits



**Time for Activity:** 60-90 minutes

**Description:** Create your characters, your scene, and share your story!

**Deposit or Items Needed:** None.

**Check-In Instructions:** Please sharpen pencils before returning.

**Name:** Cadettes: Dissected Book

**Levels:** C

**Badges:** Book Artist-Step 2

**Time for Preparation:** 30 minutes

**Time for Activity:** 30 minutes

**Description:** Show examples of different types of books and see a book that has been labeled and dissected!

**Deposit or Items Needed:** None.

**Check-In Instructions:**

**Name:** Cyanotype Print Kit (Sun Prints)

**Levels:** C-A

**Badges:** Cadettes: Space Science Researcher, Senior, Sky, ALL: Outdoor Art

**Time for Preparation:** 31 minutes to Familiarize, make a sample.

**Time for Activity:** 60-90 minutes

**Description:** Art from the sun! Learn about UV rays and the light spectrum while creating a one of kind print from the sun.

**Deposit or Items Needed:** water, sunlight, trinkets and doodads to create designs.

**Check-In Instructions:** Please be careful to not expose the Cyanotype paper, and dry tub if you used it for water.

**Name:** Leave No Trace Older Girls Kit

**Levels:** C-A

**Badges:** ALL: Eco Badges, Camping and Trail badges, Outdoor and Citizen Scientist Journeys, CADETTEs: Trees, Breathe Journey, SENIORS: Paddling, Truth Seeker, Voice for the Animals, Sow What journey, AMBASSADORS: water, Justice Journey, Your Voice, Your World Jour

**Time for Preparation:** 1-2 day to look through materials and prepare.

**Time for Activity:** 30-3 days.

**Description:** This comprehensive guide can teach older girls (and parents) the 7 Leave No Trace Principles to lighten their impact on the planet, can use the whole guide or draw inspiration from it and use for multiple badges/journeys. See online LNT Awareness course f

**Deposit or Items Needed:** None

**Check-In Instructions:**

**Name:** Recording Drone (red box)

**Levels:** C-A

**Badges:** Cadettes: It's your story Journey-Media, It's your planet- Breathe, outdoor Journey, Trees, Marketing, Seniors: Sky, Eco Explorer, Truth Seeker, It's your Planet: Sow What Journey, It's Your World, Change it: GIRLtopia ALL: Outdoor Art, Outdoor Journeys,

**Time for Preparation:** 30 minutes to Familiarize

**Time for Activity:** 60-90 minutes

**Description:** Stream a bird's eye view for any type of project and learn to pilot a drone!

**Deposit or Items Needed:** None

**Check-In Instructions:** Please practice caution and have first aid kit nearby.

**Name:** Streaming Drone 1 (green box)

**Levels:** C-A

**Badges:** Cadettes: It's your story Journey-Media, It's your planet- Breathe, outdoor Journey, Trees, Marketing, Seniors: Sky, Eco Explorer, Truth Seeker, It's your Planet: Sow What Journey, It's Your World, Change it: GIRLtopia ALL: Outdoor Art, Outdoor Journeys,

**Time for Preparation:** 30 minutes to Familiarize

**Time for Activity:** 60-90 minutes

**Description:** Stream a bird's eye view for any type of project and learn to pilot a drone!

**Deposit or Items Needed:** None

**Check-In Instructions:** Please practice caution and have first aid kit nearby.

**Name:** V8 Engine Model

Troop Resources for Check Out  
Badge Resource Kits



**Levels:** C-A

**Badges:** Seniors: Car Care, Robotics 2

**Time for Preparation:** 30 minutes to familiarize

**Time for Activity:** 60-90 minutes

**Description:** Teach girls how a v-8 engine works and build a model to better understand how engines turn fuel into energy.

**Deposit or Items Needed:** None

**Check-In Instructions:**

**Name:**

**Levels:**

**Badges:**

**Time for Preparation:**

**Time for Activity:**

**Description:**

**Deposit or Items Needed:**

**Check-In Instructions:**

**Name:**

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