



Cadette Robotics I, II & III



Badge Workshop

June 6, 2020 10:00 AM —4:00 PM

GSCNC Camp TBD

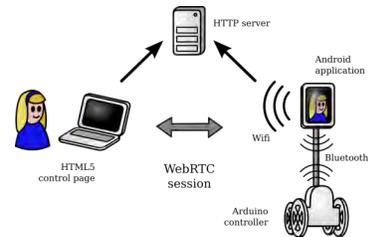
Cadettes can come to a fun filled day learning about robotics. We'll complete the requirements for all three badges in the set during a one day program, pizza lunch will be provided for attendees.

Robotics I—Programming Robots

Robots are machines that can detect what's going on around them and use that information to decide how they'll interact with the physical world. To help you understand how robots work, learn about the parts that make up a robot. Get started with electronics by making a simple sensor, something robots use to function without human operators. Then practice coding robots using important programming concepts like functions and loops.

Steps

1. Learn about robots
2. Build a robot part: simple sensors
3. Make a box model robot with sensors
4. Learn about programming
5. Write a program for a robot



Purpose

When I've earned this badge, I'll understand how robots work and how to control them.

Robotics II—Designing Robots

Researchers often build robot prototypes from materials that are cheap and easy to find. They may include crafts materials, like paper and cardboard, and household materials, like rubber balloons. For this badge, come up with ideas and build a prototype of a new kind of robot that could help someone to overcome a daily obstacle.

Steps

1. Pick a challenge
2. Explore possible solutions
3. Plan your prototype
4. Build a prototype
5. Get feedback on your robot



Purpose

When I've earned this badge, I'll know how to design a robot and build a prototype.

Robotics III—Showcasing Robots

After engineers build a working version of their robots, they release them to the public. They may enter them into challenges and competitions or market them through a website or crowd-funding campaign. Now that you've built your robot prototype, it's time to share your design with others and explore a future in robotics.

Steps

1. Learn about robotics events and organizations
2. Create a presentation about your robot
3. Present your robot pitch to others for feedback
4. Find out about robotics opportunities for teens
5. See robot makers and robots in action



Purpose

When I've earned this badge, I'll know how to share my robot designs with the world.

Workshop minimum is 12. **Cost for the workshop is \$35.00 and includes badge, lunch, snack and materials for workshop. Please plan to arrive 15 minutes before start time for check-in. We will start promptly. Girls should bring their own refillable water bottles.** Girl Scouts in 6-8th grades are welcome to attend. Please no siblings. Girl Scout Juniors who are mature enough to work with other girls in a team environment, have earned the Junior Robotics badges and have bridged to Cadettes are welcome to attend.

Registration closes on 05/23/2020, no refunds after this date. You can [sign-up here](#) and pay online, sign-up on waitlist and pay via PayPal Invoice online with debit/credit card, or send a check payable to GSCNC for total due with this form along with check to Badge Name, c/o Kim Kingsford, 808 Blakely Court, Apt. 252, Frederick, MD 21702. Girls are welcome to attend without their troop but must have a permission/health history form. If you have any questions please email troop81378@gmail.com or kskingsford@gmail.com.

Girl Scouts not present or participating will not receive Badges or Materials

All Girls are expected to assist in clean-up after workshop is complete



Leader/Parent Name: _____	E-mail: _____
Troop Number: _____	School: _____
If no troop ⇨ Girl Name: _____	Mobile #: _____
Address: _____	City: _____
	State: _____ Zip: _____
# _____ Girls X \$35.00 = _____	# Chaperon _____ <input type="checkbox"/> Check if signed up online

Date Received: _____	Amount Received: _____	Check # _____	Acct: _____
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Financial Assistance is available for girls, for more information please access the online sign-up link and a financial assistance form is available for download there, please apply for Financial Assistance before **04/01/2020**.



Permission Slip with Health History

Program Name: _____ Date: _____

Girl's Name _____ Age _____ Grade _____ Birth date ____/____/____

Address _____ Phone _____

City _____ State _____ Zip _____ Email _____

Mother/Guardian _____ Day phone _____

E-mail _____ Evening phone _____ Cell _____

Father/Guardian _____ Day phone _____

E-mail _____ Evening phone _____ Cell _____

School Attending _____ State _____ Grade _____ Troop # _____ Level _____

The registrant's racial background is: *(optional)*

- American Indian or Alaskan Native
- Asian
- Black or African American
- White
- Other _____
- Hawaiian or Pacific Islander
- (please check one)* Hispanic or Latina
- Not Hispanic or Latina

Must have information for emergency contact if parent(s) cannot be reached (please print clearly):

Name/ Relationship: _____ Phone: - _____

Name/ Relationship: _____ Phone: _____

HEALTH HISTORY – All Information provided will be kept confidential

Describe allergies, details of chronic conditions, or health restrictions on additional sheet if needed

Are all immunizations up to date? ___Yes ___No If no, please state reason: _____

Please provide comments where applicable: Medication being taken _____

Special dietary needs/restrictions: _____ Weight of camper for dosage purposes: _____

Specific information including physical, psychiatric or behavioral problems: _____

Insurance company: _____ Policy Number: _____ Group # _____

Family physician: _____ Phone: Day _____ Eve _____

Parent Permission Statement

- The health history is correct as far as I know, and the person herein described has my permission to engage in all events activities except as noted. If she appears ill, I will not send her.
- EMERGENCY AUTHORIZATION:** In the event I cannot be reached in an emergency, I hereby grant permission to the program director to secure proper treatment for my child.
- The Girl Scouts may use any photo in which my child appears to promote Girl Scouting.

My child may be given : Aspirin Benadryl Ibuprofen Neosporin Tylenol None

Parent/Guardian Signature required:

Signature _____ Date _____

To Register: Send Registration form along with this Permission/Health History form to "Event Name", c/o Kim Kingsford, 808 Blakely Court, Apt. 252, Frederick MD 21702 Registration fee should be paid online or via check and sent with Registration. Online sign- ups are not considered "registered" until payment is received. For questions please contact: troop81378@gmail.com or kskingsford@gmail.com.

Girl Name: _____

Girl Readiness and Behavioral Agreement Form

This form can be used by Girl Scouts to encourage appropriate behavior during troop/group meetings and activities. This form can also be used as a guide for troops/groups that are developing their own behavioral agreements.

As a Girl Scout, I realize that behaving appropriately and having a positive attitude is necessary in order for me to have a good experience in Girl Scouting. I also realize that behaving appropriately and having a positive attitude helps the people I interact with to also have a good experience in Girl Scouting. Consequently, I agree to abide by the following:

- I will be sensitive to the needs of everyone in my troop/group.
- I will respect the people that I interact with and the places that I visit.
- I will not use abusive or profane language.
- I understand that my using alcohol, tobacco, or drugs during a Girl Scout meeting or activity will not be tolerated, and that I will be expelled from the activity or meeting if I do so.
- I will be responsible for my personal belongings and equipment and I will not hold my troop/group or the Girl Scouts Nation's Capital responsible for any losses or damages due to my negligence or neglect.
- I will treat all equipment provided for my use with care. I understand that I will be assessed for damages to any equipment in the event that my use of such equipment is negligent or abusive.
- I will use all required safety equipment and follow safety rules and procedures.
- I will fulfill my share of daily responsibilities such as food preparation, setting up camp, cleaning up, and shopping.
- I will let the adults who are responsible for me know where I am at all times and I will follow the buddy system.
- I understand that if I am sent home early due to any misconduct, it will be at my parent or guardian's expense and that the adults who are responsible for me will make the travel arrangements and notify my parent or guardian of those plans.

Girl Signature: _____ **Date:** _____

As the parent or guardian, I am aware of and agree to the expectations listed above for how my daughter is expected to behave in Girl Scouting.

Parent/Guardian Signature: _____ **Date:** _____