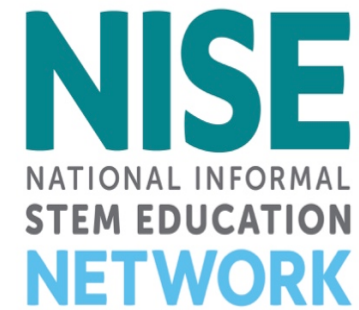


NISE Net Online Workshop

Museum Community Partnerships

Part 2: Girl Scouts

Tuesday, November 14, 2017



Welcome!

Today's presenters are:

Suzanne Harper, Girl Scouts USA

Joelle Adolphi & Stephanie Hildreth, Rochester
Museum and Science Center

Kristen Martin, The Tech Museum

Brenda Gabel, Girl Scouts of Northern California



As we wait to get started with today's discussion, please:

- **Update your display name.** Include your first & last name, institution and location.
- **Introduce yourself!** Type your name and institution into the Chat Box
- **Questions?** Feel free to type your questions into the Chat Box at any time throughout the online workshop or use the raise your hand function in the participants list and we'll unmute your microphone.

Today's discussion will be recorded and shared on nisenet.org at:
nisenet.org/events/online-workshop



Girl Scouts' STEM Initiative



SENSE OF SELF



POSITIVE VALUES



CHALLENGE SEEKING



HEALTHY RELATIONSHIPS



COMMUNITY PROBLEM SOLVING

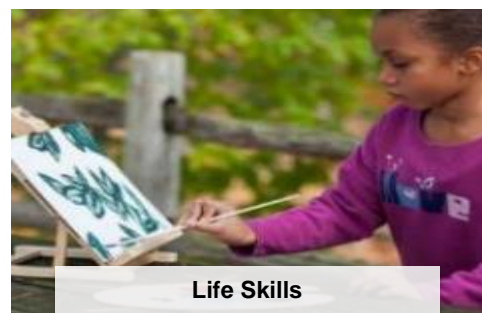
Take Action to Change the World



STEM



Outdoor



Life Skills



Entrepreneurship

Girl Scout Leadership Experience

STEM Vision and Strategy

- ❖ Offer all girls high-quality, multi-year and progressive STEM program
- ❖ Increase girls' interest, confidence, competency in STEM, as well as their understanding of STEM's value to people and society
- ❖ Reach more underserved girls with STEM program
- ❖ Support Girl Scout councils to implement program, build local partnerships and share best practices in STEM
- ❖ Increase the number of women pursuing STEM degrees and careers

Opportunity for Impact

2nd - 3rd grade

75%

1.4 million





STEM Outcomes

STEM Interest

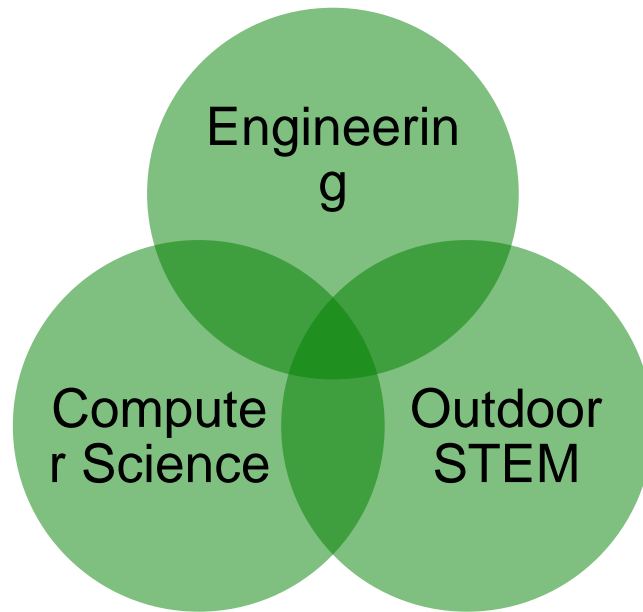
STEM Confidence

Value of STEM to
People & Society

STEM
Competence
(Knowledge)

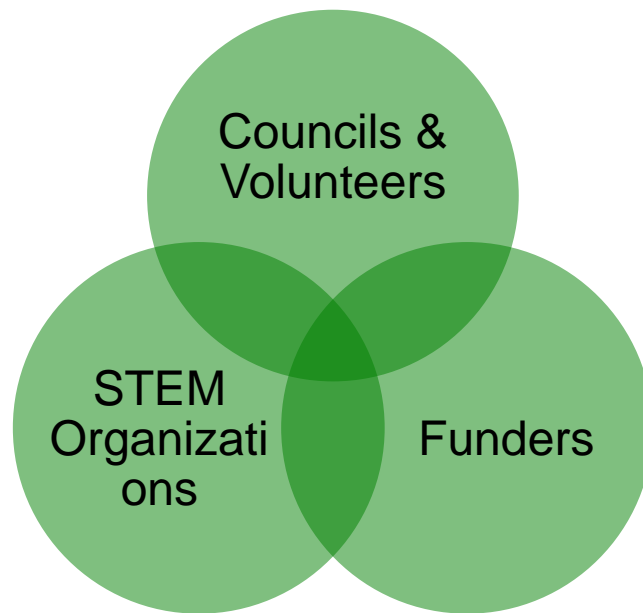


Strategic Program Focus





Strategic Partners



2017	2018	2019
K - 5		
Series Think Like an Engineer Think Like a Programmer Think Like a Citizen Scientist Badges Robotics Mechanical Engineering	Badges Cybersecurity Space Science	Badges Coding for Good * Making for Good * Construction and Design * AI * Numbers in Nature *
6 - 12		
* Sample topics. Development contingent upon funding.	Series Think Like an Engineer Think Like a Programmer Badges Robotics	Series Think Like a Citizen Scientist * Badges Cybersecurity Space Science Mechanical Engineering * Coding for Good * Making for Good * Construction and Design * AI * Numbers in Nature *



Partnering with Girl Scouts

Local Partnerships

- Contact the Girl Scout council in your area (ask for the program lead or the STEM program lead)
 - Go to <http://www.girlscouts.org/>.
 - Click on “find a council.”
 - See graphic on next slide.
- Possibilities to explore: workshops/events that align with national and/or council programs, career exploration, etc.
- Share your certificate of compliance
- Check with local council about Girl Scouts’ Safety Activity Checkpoints

National Partnership

- Contact Suzanne Harper, Senior Director, National STEM Strategy, at sharper@girlscouts.org
- Possibilities to explore: content curation, Destinations travel, etc.



[Donate](#) [Find a Council](#) [En Español](#)

[Join](#)

[Volunteer](#)

Search



[ABOUT GIRL SCOUTS](#) [OUR PROGRAM](#) [SHOP](#) [COOKIES](#) [FOR ADULTS](#) [FOR GIRLS](#)

Girl Scout STEM Pledge: Let's add millions of girls to the STEM pipeline by 2025! [GO »](#)

Girl Scout STEM PLEDGE

Help us put millions of girls through our STEM programs by 2025.

[MORE](#)

 Girl Scouts STEM leaders start here



Thank You!

Girl Scouting at the Rochester Museum and Science Center

What we offer...

[Scouting at the RMSC](#)

At the RMSC we offer a variety of Girl Scout badges for Brownies through Seniors.

As well as customized overnights.

Girl Scouts: Brownies

Home Scientist

Hiker

Inventor

Outdoor Art Creator

Bugs

Girl Scouts: Juniors

Geocacher

Detective

Flowers

Girl Scouts: Cadettes

Special Agent

Trees

Girl Scouts: Seniors

Sky



RMSC
Rochester Museum & Science Center

reward
your
curiosity.

Science
Museum
+

Strasenburgh
Planetarium
+

Cumming
Nature Center
+

Girl Scouts at RMSC



Brownie Home Scientist with
Nano Kits



RMSC
Rochester Museum & Science Center

reward
your
curiosity.

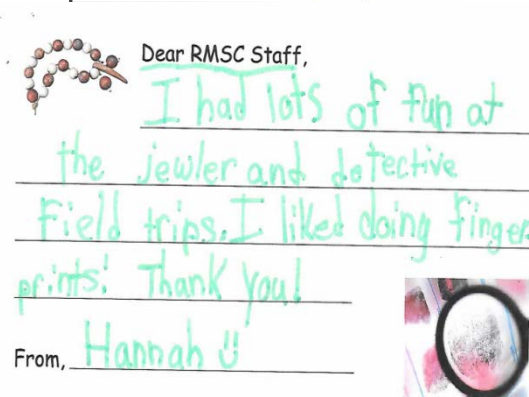
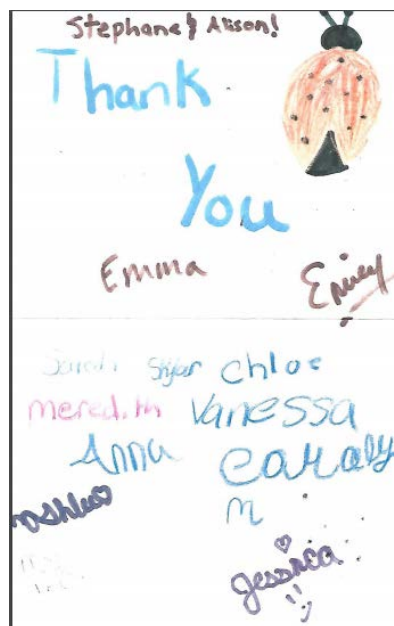
Science
Museum
+

Strasenburgh
Planetarium
+

Cumming
Nature Center
+

Tips and Challenges

- Fun- should not seem like school!
- Unique experience-only at the RMSC.
- Hands on, project based- they are learning through doing.
- Inquiry based learning- asking questions, not giving answers.
- Completing badge requirements within a 3 hour class.
- Cost effective- Admission to the RMSC included with Scout Program.
- Class is in the Instructor's hands.
- Organized bin of materials are ready for instructors.



- Getting the word out!
- Creating quality programming that we can excel at.
- Finding quality instructors.
- Classroom space, technology, supplies and materials!
- Weekend programming
- Scheduled programs vs. Program that ran
- Knowing Girl Scout Council Boundaries
- Who to contact at Girl Scouts

Partnering with Girl Scouts of Western New York

Partnering up for Science
Events



STEM-A-Palooza, a Girl Scouts of
Western New York event

Troop Facilitation



Using resources from the
RMSC to help facilitate troop
activities.



The Tech
Museum of Innovation

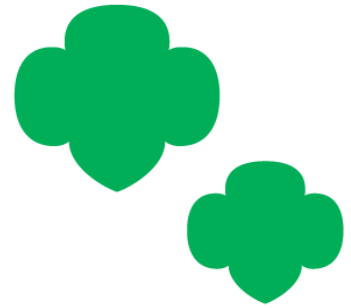
Museum Community Partnerships

NISE Network Webinar, Nov. 14, 2017

Brenda Gabel, Program Director, GSNorCal

Kristen Martin, Director of Facilitated Experiences, Tech Museum of Innovation

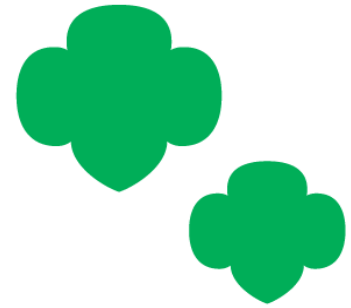
Badge Program History



- 2010-11 & 2012-13
 - 2 programs for 4-5th grade Juniors;
 - Math Whiz and Make it Matter
 - 8-12 sessions total per school year
- 2013-present
 - Math Whiz and Make it Matter were omitted
 - 4 new programs for 2nd-8th grade Brownie/Junior/Cadette levels;
 - Home Scientist (B), Amusement Innovator (J), Tech Detective (J), Special Agent (C)
 - Curricula and resource sheets developed by The Tech
 - Started with 24 sessions total per school year
 - Session offerings have nearly doubled
- Looking to add Robotics for 2018-2019



2017-18 Program Offerings



PROGRAM	AGE/LEVEL	GSUSA BADGE	STEPS COMPLETED	COST	INCLUDES	# of sessions offered
Home Scientist	Brownies 2nd-3rd	Home Scientist	All 5	\$35*	<ul style="list-style-type: none"> • Home Scientist badge* • Tech Museum fun patch • Museum admission 	16
Amusement Innovator	Juniors 4 th -5 th	Entertainment Technology	1, 3, and 4	\$30	<ul style="list-style-type: none"> • Tech Museum fun patch • Museum admission 	7
Tech Detective	Juniors 4 th -5 th	Detective	1, 3, and 5	\$30	<ul style="list-style-type: none"> • Tech Museum fun patch • Museum admission 	6
Special Agent	Cadettes 6 th -8 th	Special Agent	1, 3, and 5	\$30	<ul style="list-style-type: none"> • Tech Museum fun patch • Museum admission 	6



GSNorCal Program Guide & VIP Partnership



GSNorCal VIP program partner

- Featured in the council [Program Guide](#)
- Tech Museum handles registration
- Tech Museum reports numbers to GSNorCal bi-weekly
- Marketing is done by GSNorCal through multiple channels; Facebook features, direct e-news to members, lobby flyers, lobby monitor ads, cross promotions to other STEM program attendees
- Tech Museum invited to table at special council events



 Girl Scouts @ The Tech!

Join us for skill-building badge programs
for Brownies, Juniors and Cadettes!

For more information on badge programs,
dates, and tickets visit thetech.org/girlscouts.

 **The Tech**
Museum of Innovation

The Tech
201 South Market Street
San Jose, CA 95113
1-408-294-8324

#MadeAtTheTech



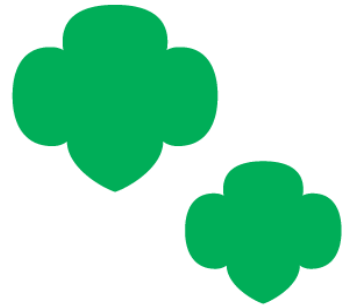
Adult Chaperones and Tech Museum Lab Instructors



- \$8/adult includes museum admission
- Girl Scout adult-to-girl ratios must be met
- Chaperones stay throughout the program
- Tech Museum female lab instructors with STEM backgrounds lead the workshops



Troop Leader Resources



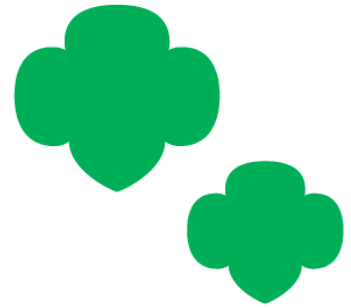
- Can be accessed at www.thetech.org/girlscouts
(2017-18 updated versions coming soon)
 - [Home Scientist](#)
 - [Amusement Innovator](#)
 - [Tech Detective](#)
 - [Special Agent](#)

Each resource includes:

- Badge Program Outcomes
- Girl Scout Badge Connections
- Vocabulary
- Post-lab Activities



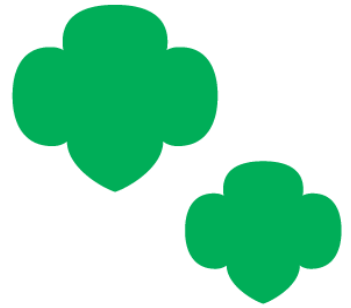
Stats History



	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
# OF PROGRAMS	2	2	4	4	4	4	4
TOTAL # OF SESSIONS	13	9	24	40	52	35	35
CAPACITY	10 min, 32 max		10 min, 25 max				
# OF GIRLS	We expect up to serve up to 800 girls this year! We are already 78% booked						



Benefits to Girls



Critical
Thinking &
Problem
Solving Skills

Team-Focused
Activities

Meeting girls
from other
troops with
similar
interests

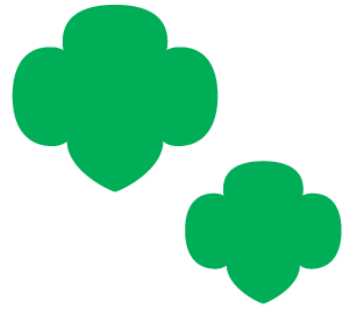
Girl-Centered
Programming

Role Models;
Female
instructors
with STEM
background

Additional
museum
opportunities
(Girls Day @
The Tech)



Challenges or Hurdles

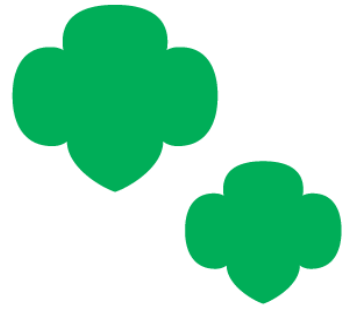


Shared*, others primary to The Tech

- *Cadette level programming is difficult to fill
- *Competing GS events and Tech Museum events/programs
(for example; cookie sale period throughout February)
- Time - programs for Juniors and Cadettes are two hours but only cover three of the five badge steps
- Meeting demand
- Managing troop leader/parent expectations
- Negotiating what success looks like for The Tech vs. GS (mostly regarding attendance)



Successes and Highlights

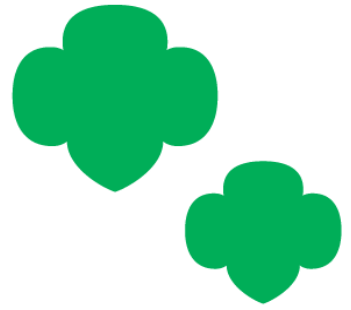


Tech Museum

- Growing the program
 - Serving more girls in STEM
 - One of The Tech's top five goals is to empower women/girls in STEM - this program/partnership has helped us in that goal
 - Advertising partnership with GSNorCal
-
- **GSNorCal**
 - Providing relevant programming for girls, that girls want
 - Security in knowing that offerings will be consistent and well-supported
 - Providing badge programs that support leaders
 - Providing excellent experiences for troops that include museum visits



Tips for Other Museums



- Pick badges that fit with your vision/values/goals
- Tailor your existing programs (*each of our badge programs uses activities that we already had in our repertoire*)
- Take advantage of all advertising opportunities offered by your GS council!
- Start small then increase offerings as your audience builds
- Consider hosting an exclusive Girl Scout day or open house event



THANK YOU!



Brenda Gabel, Program Director – Partnerships
Girl Scouts of Northern CA

bgabel@girlscoutsnorcal.org

408-287-4170 x 6006

www.gsnorcal.org

Kristen Martin, Director of Facilitated Experiences
The Tech Museum of Innovation

kmartin@thetech.org

408-795-6140

thetech.org



Upcoming NISE Net Online Workshops

All workshops 11am - 12pm PDT / 2 - 3pm EDT

Learn More About the Frankenstein200 Project and Free Digital Resources

Tuesday, Dec 5, 2017

Museum Community Partnerships - Part 3: Working with
Solar System Ambassadors and Night Sky Network

Tuesday, Jan 23, 2018

What's in Your 2018 Explore Science: Earth & Space Toolkit

Tuesday, Feb 6, 2018

The Science Behind the 2018 Explore Science: Earth & Space Toolkit – Part 1

Tuesday, Feb 27, 2018

The Science Behind the 2018 Explore Science: Earth & Space Toolkit – Part 2

Tuesday, Mar 13, 2018



Recordings of Past Online Workshops

More available at: nisenet.org/event-type/online-workshop

Today's online workshop

Museum Community Partnerships – Part 2: Girl Scouts

<http://www.nisenet.org/catalog/online-workshop-museum-community-partnerships-part-2-girl-scouts-recorded>

Museum Community Partnerships – Part 1: Libraries

<http://nisenet.org/catalog/online-workshop-museum-community-partnerships-part-1-libraries-recorded>

Learn More About the 2018 Explore Science: Earth & Space Toolkit

<http://nisenet.org/catalog/online-workshop-learn-more-about-2018-explore-science-earth-space-toolkit-recorded>

An Online Discovery of NASA and Other Earth and Space Related Resources

<http://nisenet.org/catalog/online-workshop-online-discovery-nasa-and-other-earth-and-space-related-resources-recorded>

Thank You

