

Innovative Strategies from the Field: Leveraging the IF/THEN® Collection

November 8, 2021



Webinar Agenda

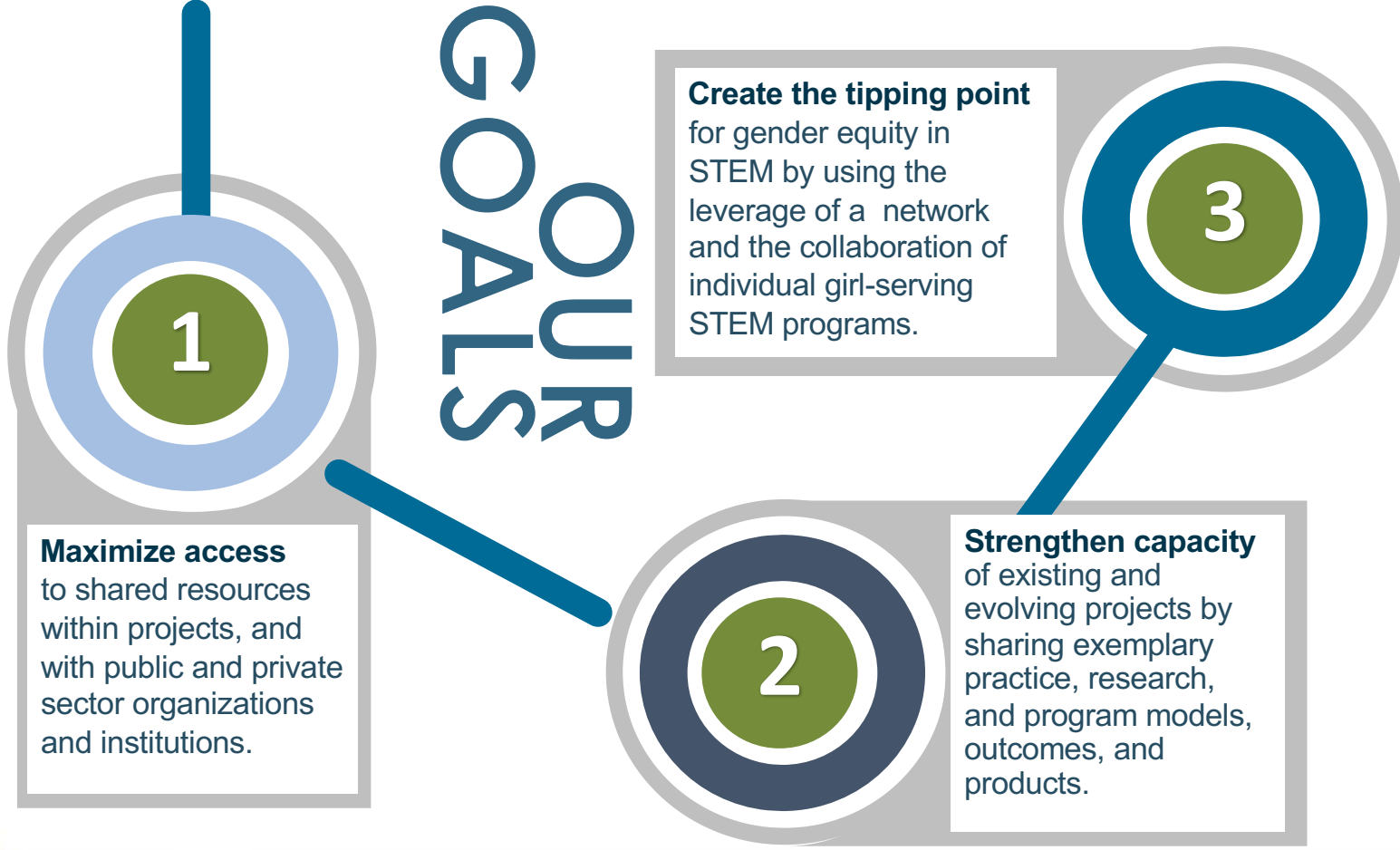
- NGCP & IF/THEN® Overview
- Collaborative Showcase
- Questions & Answers
- IF/THEN® Collection Afterschool Portal Overview



NGCP Vision

The vision of the National Girls Collaborative Project is to **support and create STEM experiences that are as diverse as the world we live in.**





NGCP Activities



Leap
into
science
— Engineered by —
THE FRANKLIN INSTITUTE



MILLION GIRLS MOONSHOT



IF/THEN
Collection

Increased Collaboration Benefits Girl-Serving STEM Programs



THE CONNECTORY

FabFems



NATIONAL GIRLS COLLABORATIVE PROJECT

National Network of Collaborative Teams



NATIONAL GIRLS COLLABORATIVE PROJECT



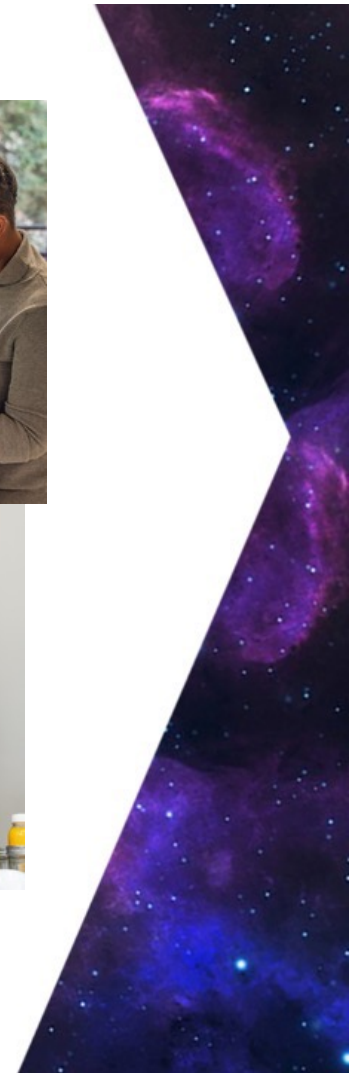
IF/THEN[®]

AN INITIATIVE OF LYDA HILL PHILANTHROPIES

All photos in this presentation are accessible for free for nonprofit and educational use and can be found in the [IF/THEN[®] Collection](#).

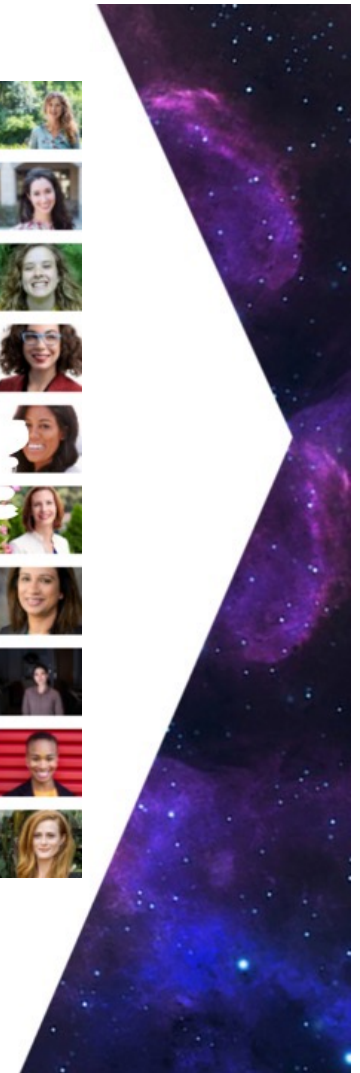


IF/THEN[®]
Collection



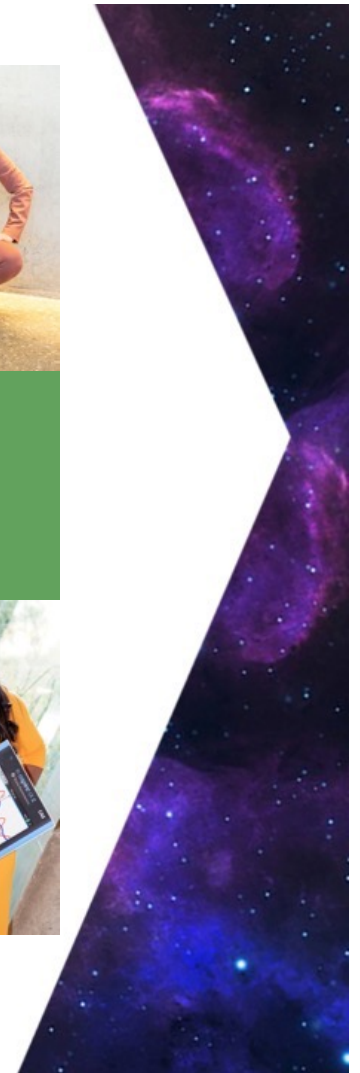
IF/THEN® Collection

The IF/THEN® Collection is the largest, free resource of its kind, with thousands of photos and videos of diverse and powerful images of contemporary women in STEM. The Collection is a critical component of IF/THEN®'s mission to inspire young girls to pursue STEM careers as well as create a culture shift in how the world perceives women in STEM.



AAAS IF/THEN[®] Ambassador Program

125 Talented Women Across a
Variety of STEM Fields



NGCP Collaborative IF/THEN® Collection Grants

- Five (5) NGCP Collaboratives
 - California
 - Louisiana
 - Montana
 - New York
 - Tennessee
- Mini-grant applications
- Utilize the IF/THEN® Collection
- September – January timeframe

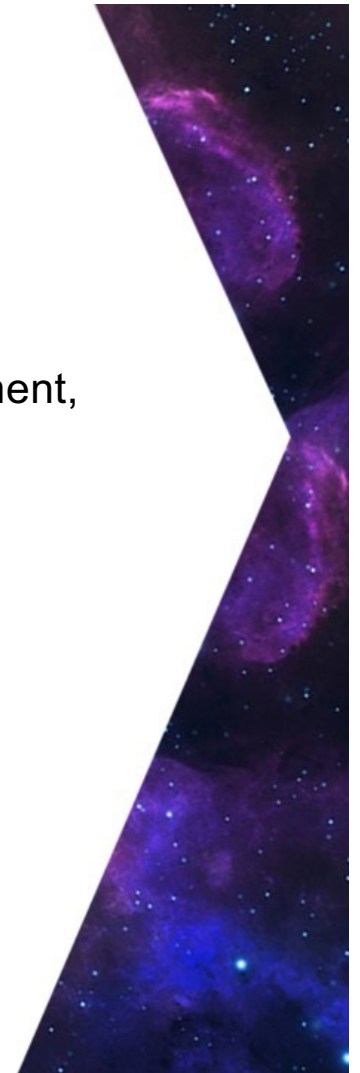


NGCP Tennessee Collaborative



Dale McCree, Ph.D.

Vice President of Audience & Community Engagement,
Discovery Center at Murfree Spring,
Murfreesboro, Tennessee



NGCP Tennessee Collaborative

Leveraging IF/THEN Seed Grants:

- Increase use and awareness of the IF/THEN Collection;
- Grow awareness & membership in TN Girls Collaborative
- Promote participation in the TN STEAM Festival
- Cultivate innovative, diverse and exemplary uses of the IF/THEN Collection; and
- Build critical awareness of the many ways one can engage in STEM careers and the diversity of those who do it.



NGCP Tennessee Collaborative



STEAM-A-PALOOZA

SATURDAY, OCTOBER 23
1:00 - 5:00 PM

FREE & Outdoors at Discovery Center!
502 SE Broad St, Murfreesboro

Hands-On STEAM Fun!
(Science, Technology, Engineering, Art & Math)

Local artists, scientists, & engineers!

1/2 price admission to Discovery Center!
(1 - 4 pm Only)

Family activities for all ages!

Event is Rain or Shine! www.tnsteam.org (615) 890-2300

Part of the TENNESSEE STEAM FESTIVAL

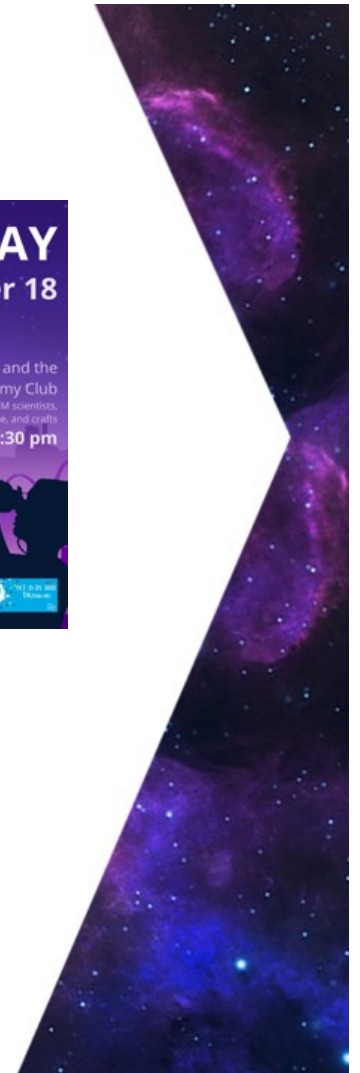
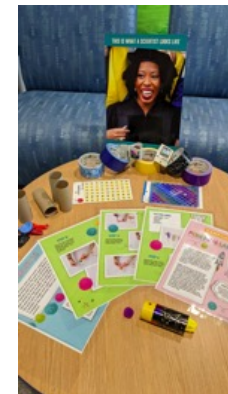
discovery center



NGCP Tennessee Collaborative

Leveraging IF/THEN Grants to Enhance & Cultivate Partnerships

- **Diverse Organizations:** *Lipscom University, TN Museums, Girls Inc. of TN Valley, ETSU Early Childhood STEM Labs and Ed Department, Tech Engagement Center at Rutherford County Library, Turnip Green (sustainability through reuse)*
- **Range of Audiences:** *PreK through college, families, In school & out, girls, educators*
- **Strategies:** *Themed awareness, activity kits, posters, focused engagement within workshops, promotion through postcards, newsletters, websites*
- **Impacts:** *Still implementing! Reported so far: 340 teachers; >600 families*



Montana Girls STEM Collaborative



Suzi Taylor

Co-leader, Montana Girls STEM Collaborative
Director of the Science Math Resource Center,
Department of Education, Montana State University

Sierra Fisher-Dykman

Intern,
Montana Girls STEM Collaborative,
Student at Montana State University



Montana Girls STEM Collaborative

Mini-grants to Montana youth-serving organizations



Montana Girls STEM Collaborative

Ingenium (a non-profit PlayStation game development studio), Great Falls

- *Project:* Helping underrepresented youth access video game design and computer science
- *IF/THEN Collection Integration:* Former Fortnite producer Heather Chandler

Code Girls United, Kalispell +other locations

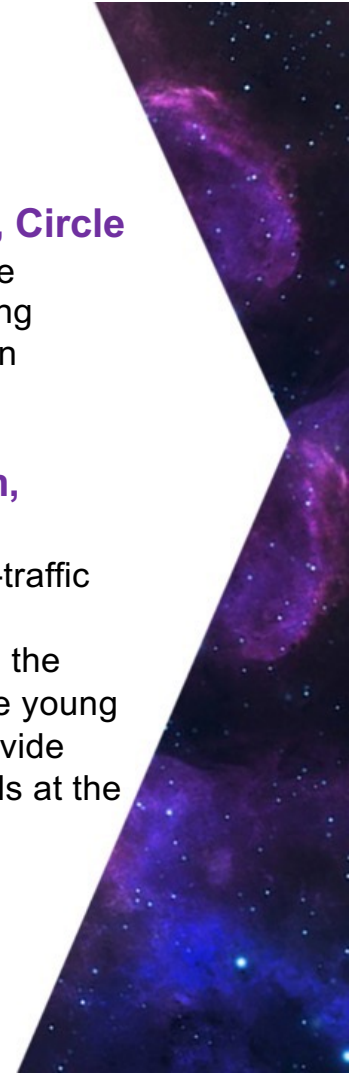
- *Project:* Coding Summer camp for girls
- *IF/THEN Collection Integration:* Inspiring girls with women in coding highlighted in the collection

George McCone Memorial Library, Circle

- *Project:* Building a library maker space
- *IF/THEN Collection Integration:* Sharing women in the collection as materials in the makerspace

Wise Wonders Children's Museum, Billings

- *Project:* Creating a billboard in a high-traffic area
- *IF/THEN Collection Integration:* Using the collection on a billboard to help inspire young girls to pursue STEM careers and provide information on how to access materials at the museum



Montana Girls STEM Collaborative

University of Montana Dept. of Teaching and Learning, Missoula

- *Project:* Choreograph and perform a dance with robots in a mini-STEM camp
- *IF/THEN Collection Integration:* Featuring GoldieBlox's Fast Forward Girls video with teen Nicole Laeno who works alongside L.A. professional dancer and mechanical engineer, Catie Cuan.

Upward Bound, Missoula

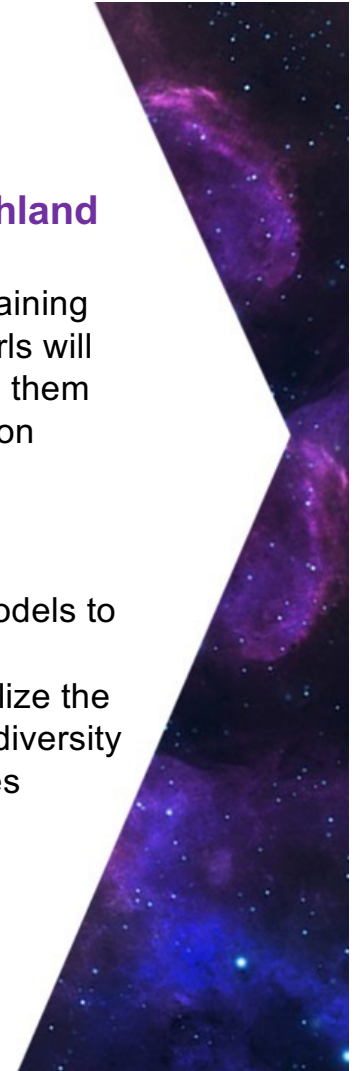
- *Project:* Astronomy event
- *IF/THEN Collection Integration:* Sharing women astronomers and related careers from the collection

The Boys and Girls Club of Richland County, Sidney

- *Project:* STEM presentation and training
- *IF/THEN Collection Integration:* Girls will learn what careers are available to them in STEM fields through the collection

SAE International (statewide presence in Montana)

- *Project:* Highlighting STEM role models to young girls in Montana
- *IF/THEN Collection Integration:* utilize the collection to spotlight women and diversity in STEM across different disciplines



NGCP New York Collaborative

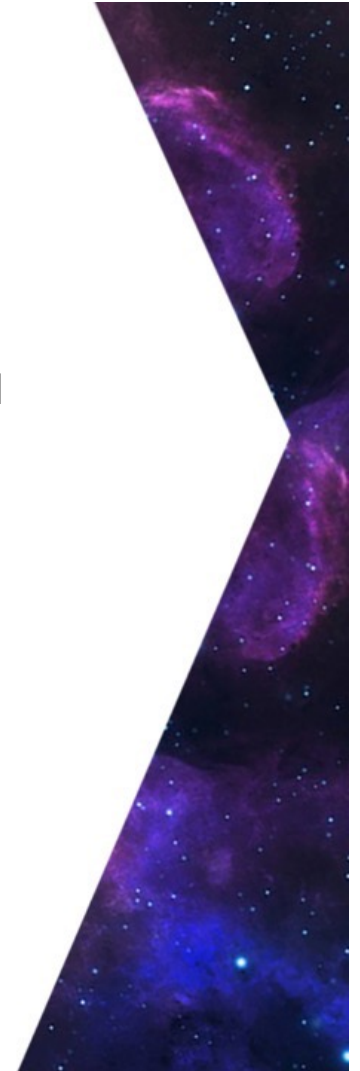


Sara Kobilka
Owner and Principal Consultant,
Renaissance Woman Consulting LLC



NGCP New York Collaborative

- Lead agency New York State Network for Youth Success (NYSNYS)
- Goal - Leverage existing networks: STEM Ecosystems, STEM Hubs, and 15 Regional Afterschool Networks
- What are the current needs? (survey)
- Support program's efforts (\$500 awards)



NGCP New York Collaborative

Survey

1. Please mark which of these FREE resources you'd be most likely to use at your site (check all that apply)
 - Short videos (less than 5 minutes) of real women in STEM (STEM Ambassadors)
 - **Short videos (~6-15 minutes) of girls meeting women working in STEM**
 - Digital photos of STEM Ambassadors
 - Printed posters of STEM Ambassadors
 - **Activities/DIY experiments focused on the work of a STEM Ambassador (#1)**
 - **Workbooks exploring STEM careers**
 - **Activities about gender equity in STEM**
 - **Virtual visit from a STEM Ambassador (#1)**
 - None of the above



NGCP New York Collaborative

Survey

2. The STEM Ambassadors are extremely diverse. Please mark the items that would be most important to you when choosing a STEM Ambassador to introduce to your youth (check all that apply).
- She is from New York
 - She looks like the youth I work with
 - Her background is similar to the youth I work with
 - **She is working in a field of STEM that we are learning about (ex. technology designer, meteorologist, or zoologist) (#1)**
 - **She overcame adversity**
 - Other _____



NGCP New York Collaborative

Survey

3. Please mark which topics are the most important for your programming this school year (check all that apply).
- **Diversity/equity in STEM**
 - **Career interest/readiness**
 - **Overcoming trauma**
 - **Social-Emotional Learning (SEL) (#1)**
 - Activities aligned with state science standards
 - **Hands-on learning activities (#1)**
 - Virtual learning activities



NGCP New York Collaborative

Survey

4. How would you prefer to learn about these resources? (check all that apply)

- **Email (#1)**
- Twitter
- Facebook
- Webinar (1 hour or less)
- **Step-by-Step videos (5 minutes or less)**
- Search the IF/THEN® Collection website myself
- Other _____



NGCP New York Collaborative

\$500 Awards

- Open to all girl-serving out-of-school programs in New York
- Simple application – minimized barrier
- Funds for a variety of expenses incl. reusable supplies/kits/technology/books, consumables, printing expenses, field trips, and staff time/training.
- Application deadline was Friday, awarding next week



NGCP New York Collaborative

\$500 Awards

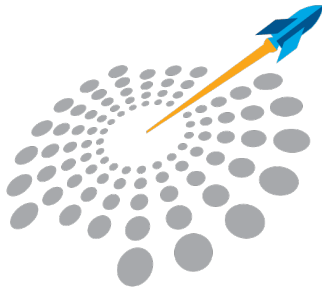


Questions and Answers



IF/THEN[®]
Collection

Upcoming Webinars



MILLION GIRLS MOONSHOT

Lessons Learned from an Equity & Inclusion Community of Practice

Tuesday, November 16, 2021

11:00am Pacific/1:00pm Central/2:00pm Eastern

Celebrate Computer Science Education Week with the IF/THEN® Collection

Tuesday, December 7, 2021

11:00am Pacific/1:00pm Central/2:00pm Eastern

