



STEM Volunteer Training: Volunteer Opportunities

April 14, 2016

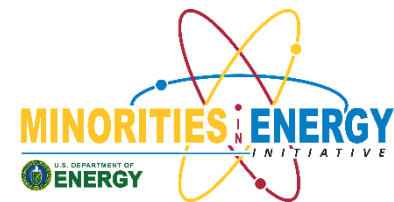
Names of Presenters

Megan Davis
Program Manager
TechBridge

Rabiah Mayas, Ph.D.
Director of Science and Integrated Strategies
Museum of Science and Industry Chicago

Karen Peterson
CEO
National Girls Collaborative Project

Rosa Moreno
Senior Policy Advisor, Partnerships
Corporation for National & Community Service



Agenda

- Welcome and Introduction
- Choosing Your Own Adventure (Megan Davis)
- Interactive - Sharing Best & Challenging Experiences
- Ask the Organizers – Frequently Asked Questions (Rabiah Mayas)
- Interactive - Sharing Other Volunteer Worries & Concerns
- Connectory (Karen Peterson)
- FabFems (Karen Peterson)
- Corporation for National & Community Service (Rosa Moreno)
- Questions & Answers



You are on mute!

Use your webinar bar to fill out poll, send a chat or send in a question.

Please tell us via chat if you cannot see or hear.



Choose Your Own Adventure

What Volunteer Opportunity is Right for Me?



Make Time to Make a Good Choice for YOU



Consider Constraints

Time

(Workday, Weekend, Evening? Is your employer receptive, or is this on your own time? School year or Summer?)

Frequency

Format and Location

(On your turf or mine?)



Make Time to Make a Good Choice for YOU

- Create an Online Profile
- Be a Pen Pal
- Judge a one-time Science Fair
- Work a Shift at a Booth
- Speak on a Panel
- Guest Speaker for a Group
- Repeat Role Model
- Mentor Occasionally
- Field Trip Host
- Guide a Job Shadow one day
- Sponsor an Intern Regularly



Choose Your Degree of Difficulty (also known as: your level of time commitment)



Make Time to Make a Good Choice for YOU

Consider Preferences, and What Inspires You?

- What Age Group do you Prefer?
- Do you Prefer Single Gender or Mixed Gender Groups?
- What Do You Want as the End Result for your Efforts?
- Conduct a kind of “Needs Assessment” of Your Community (newspaper, school board minutes, asking friends with children)



When Your Adventure Calls

techbridge ROLE MODELS MATTER

TOOLKIT RESOURCES

WHY BE A STRONG STEM ROLE MODEL for girls?

Because less than 60% of girls know someone in a STEM career.

Role Models Matter is an initiative to prepare STEM professionals for outreach.















The Role Models Matter Online Training Toolkit will help you develop skills to engage girls and underrepresented youth in STEM (science, technology, engineering, math) through readings, videos, questions, and more. Role models play a vital role in getting youth excited about careers in STEM. Get prepared today!

PLAY VIDEO

Judy Wan
Professional and Role Model

Check out techbridgegirls.org/rolemodelsmatter

- Watch “Sharing All About You” to craft your personal introduction

| | | | |
|---|--|---|---|
|  STEM Role Models 101 |  The Role Model Impact |  Where can I volunteer? |  Breaking the Ice |
|  Sharing About You |  STEM Messaging |  Technobabble |  Crowd Control |
|  Choosing a STEM activity |  Engineering Design Process |  Career Exploration |  The Art of Questioning |
|  Giving Girls Feedback |  Reflection – Making Meaning | Check back soon for new materials! | |



Ask the Organizers

Questions to help you find the right fit and prepare for your volunteer experience

Location:

- What is the entry process? Do I need any special identification to enter?
- Will someone be there to help me bring in my materials?
- Do you have a projector or WiFi (or access to water, fume hood, etc.)?

Audience:

- Who do you expect to be in attendance?
- Are there any special needs or other considerations?



Ask the Organizers

Budget:

- Do you have funds available for supply costs?

Media:

- Will the experience be photographed or recorded? How will it be shared?
- May I have copies for use at my organization or on social media?

Feedback:

- Can I review my presentation in advance with someone from your team?
- Are you conducting any evaluation? May I have access to the results?



So You're Hooked!

Now What?

Communities of STEM professionals involved in public engagement

- National Alliance for Broader Impacts (NABI)

– <http://broaderimpacts.net/>



- Trellis Science / AAAS

– www.trelliscience.com



- Portal to the Public (PoPNet)

– <http://popnet.pacificsciencecenter.org/>



- Million Women Mentors

– <https://www.millionwomenmentors.org/>



The Connectory



The Connectory Overview

- Largest and most comprehensive directory of STEM opportunities and programs
- Online collaboration tool
- Showcase STEM opportunities to families



Spark your child's curiosity

Connect to a STEM opportunity for your child.

98270

Choose your child's interest



Opportunities Near You Now



StemBox Owl Pellet Dissection Workshop

Stembox is a monthly subscription box that makes real science accessible to young girls. STEM...

05/30/2015 - 12:00PM - 2:00PM
\$25 OR LESS
SEATTLE, WASHINGTON

AFTERSCHOOL



Girls in Engineering, Math, and Science (GEMS) Seattle Program

Girls in Engineering, Math, and Science (GEMS) is a year-long science, technology, engineering...

10/06/2015 (ALL DAY) - 05/05/2016 (ALL DAY)
FREE
SEATTLE, WASHINGTON

AFTERSCHOOL



Destination Science Summer Camp

The fun science day camp for curious kids 5 to 11! Hey Kids! Build a robot, explore the science...

06/01/2015 (ALL DAY) - 08/28/2015 (ALL DAY)
\$101-\$500
BELLEVUE, WASHINGTON

SUMMER CAMP



iD Tech Mini Held at Eton School

Kids ages 6-9 will have a blast at iD Tech Mini, where half-day options let aspiring innovators...

06/29/2015 (ALL DAY) - 08/14/2015 (ALL DAY)
\$101-\$500
BELLEVUE, WASHINGTON

SUMMER CAMP



Programs and Opportunities

- **Program:** organizations that provide STEM opportunities
- **Opportunity:** time-bound STEM events such as summer camps, one-day events, workshops, career fairs, and competitions



[Log in >](#)

[Sign up now](#)

Provider Portal

Join the largest portal of STEM program providers

Sign-up is Easy



SIGN UP

Make an account profile



CREATE

Add your youth programs and opportunities



APPROVAL

We approve your listings so that they can be searched for by program providers and families



DISCOVER

Search for other programs providers to connect with

[Join The Connectivity](#)

Find Partners

THE CONNECTORY

Find an Opportunity Partner Search Dashboard Administration

Partner Search
Discover partners with the perfect criteria, anywhere

Filter Results

Search Keywords

Location (zip, city, or state)

11238

323 Programs Found Page 1 of 18

Girls Go Techbridge in

WaterBotics
Dive Into Engineering Design
Stevens Institute of Technology

GIRLS!



Online Collaboration



Brains Full of Science

[Edit Program](#)

Brains Full of Science is an awesome organization.

Program Breakdown

Collaboration Breakdown

Needed Resources/Activities

STEM curriculum/activities
facilities/physical space

Available Resources/Activities

professional development
mentoring
girls interested in STEM

Collaboration Interests

outreach/community events
sharing resources
working with K-12 schools
working with similar organizations



Program location

4616 25th Ave NE
Seattle, Washington 98105

[Visit Website](#)



Opportunity Description



Making circuits

[Edit Opportunity](#)

SEPTEMBER 30, 2015 8:00 AM - 9:00 AM

AFTERSCHOOL | FREE

Learn how to make circuits.

Ages

Middle School

Cost

Free

Scholarships Available

No

Languages

English

Opportunity Focus

General Science

Type of Opportunity

Afterschool

Special Attention

Boys, Girls



Opportunity location

123 Broadway
Manhattan, New York 10013

Providers: Learn more about the program offering this opportunity and how to collaborate. >



How Families Find Opportunities

THE CONNECTORY Find an Opportunity Why STEM About Us **Provider Portal**

Find an Opportunity
Search for events, programs, and activities in your community

Filter Results

Keyword Search

Postal code:

Distance:
 Miles

From Date

Format: 2015-06-16

To Date

Format: 2015-06-16

Area of Interest
 Arts
 Biology
 Coding/Programming
 Computer Science

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iD Tech Mini Held at Eton School
 Kids ages 6-9 will have a blast at iD Tech Mini, where half day

TAF Expo 2015
 Our annual exhibition event for TAF students (grades 5-8) to display and demonstrate their STEM...



Free Widget

Get the Code

Choose the dimensions, build your query, then copy and paste the code. That's it!

1. Choose the widget width for your content area

Full Width Widget (940 - 1200 pixels)



2/3 Width Widget (Approx - 768 pixels)



Single Column Widget (Approx - 300 pixels)



2. Select your areas of interest

Only if you want pre-populated results is this step necessary

Location

Areas of interest

- All
- General Science
- Arts
- Business
- Engineering
- Computer Science
- Making/DIY
- Biology
- Digital Media Production
- Coding/Programming
- Space science / Rocketry
- Earth and Environmental Science
- Technology
- Invention / Innovation / Business

Type of opportunity

- All
- After school program
- Summer camp
- Competition
- Fair or Festival
- Community Event
- Online Learning
- Conference or Workshop
- In School Program
- Field Trip
- Overnight
- Drop-in Program
- Other



The FabFems Project



The FabFems Project

The National Girls Collaborative Project (NGCP) brings together organizations that are committed to informing and encouraging girls to pursue careers in science, technology, engineering, and mathematics (STEM).

www.ngcproject.org



FabFems Website

FabFems is an international, online, searchable directory of women STEM professionals interested in outreach to girls

Audience:

- Role Models
- Girl-Serving Programs
- Parents and Girls

www.fabfems.org

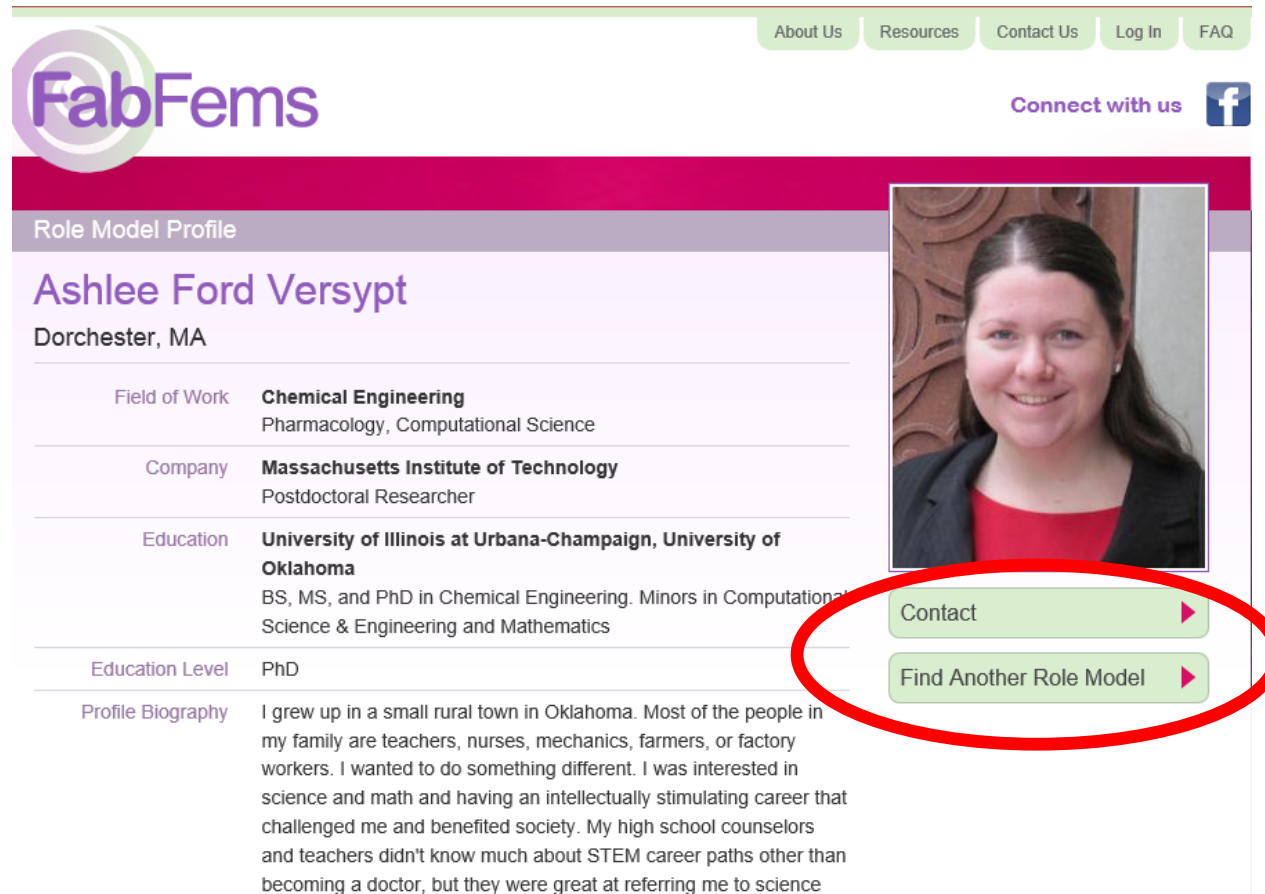


The screenshot shows the FabFems website homepage. At the top, there is a navigation bar with links for "About Us", "Resources", "Contact Us", "Log In", and "FAQ". The FabFems logo is prominently displayed. Below the logo, a large purple banner features the text "Share your past. Spark a future." and two buttons: "Find a Role Model" and "Become a Role Model". To the right of the banner is a photograph of a smiling woman in a purple shirt holding a green folder. Below the banner, there is a section titled "About FabFems" with a paragraph of text and a "Learn More About the FabFems Project" link. To the left of the "About FabFems" section is a small image showing three women in lab coats and safety glasses working in a laboratory.



Search & Connect

- Keyword
- City
- State
- Interest
- Ethnicity
- Student Age
- Field of Work
- Type of Visit
- Affiliations



The screenshot shows the FabFems website interface. At the top, there are navigation links: About Us, Resources, Contact Us, Log In, and FAQ. A Facebook social media link is also present with the text "Connect with us". The main content area features a "Role Model Profile" for Ashlee Ford Versypt, located in Dorchester, MA. Her profile includes the following details:

- Field of Work:** Chemical Engineering (Pharmacology, Computational Science)
- Company:** Massachusetts Institute of Technology (Postdoctoral Researcher)
- Education:** University of Illinois at Urbana-Champaign, University of Oklahoma (BS, MS, and PhD in Chemical Engineering. Minors in Computational Science & Engineering and Mathematics)
- Education Level:** PhD

Below the profile information is a "Profile Biography" section. To the right of the profile is a portrait photo of Ashlee Ford Versypt. Two green buttons are visible below the photo: "Contact" and "Find Another Role Model". Both buttons are circled in red.



Various Ways to Engage



- Online (Email, Skype, Google Hangouts, etc)
- Job shadowing
- Field trips
- Visits to your site/location



Next Steps

- Join the directory
- **Stay connected** via FabFems [Facebook](#) page and NGCP [e-newsletter](#)



info@fabfems.org



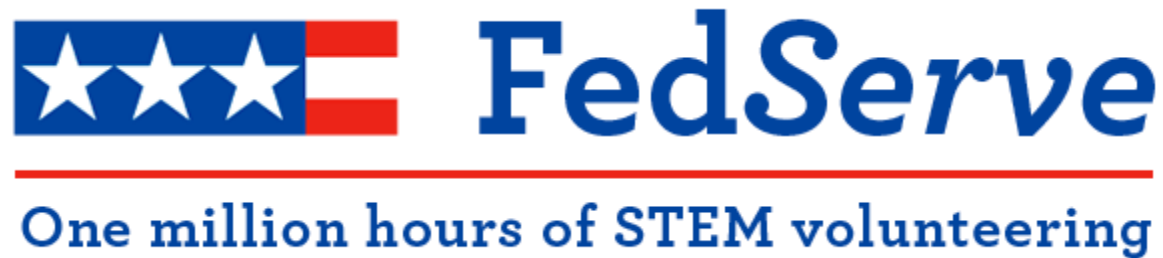


Rosa Moreno
Senior Policy Advisor, Partnerships
rmoreno@cns.gov



FedServe

- Building on the President's [call to action](#) to inspire the next generation of students.
- Cross-agency collaboration to support one million hours of volunteering by federal employees in STEM and making-related activities.



Get Involved

Find & Share Volunteer Opportunities

- Portal for STEM opportunities—[serve.gov](https://www.serve.gov) powered by [allforgood](https://www.allforgood.org) a Points of Light service.

Make the Pledge!

- To help close the STEM skills gap and inspire the next generation of STEM professionals, take the FedServe challenge and make a commitment to engage in STEM activities
- [Make the Pledge!](https://www.nationalservice.gov/fedserve/make-pledge) www.nationalservice.gov/fedserve/make-pledge



Interagency Volunteer Fair

Overview

CNCS is hosting this year's Interagency STEM Volunteer Fair during National Week of Making.

- 100 Federal employees
- 17 Federal agencies
- 20 Nonprofits

Logistics

- Location & Specific Date TBD
- Interested in participating or questions?
 - POC: Robert Bisi – engagement@cns.gov



Questions and Contact Us



Email us: STEMED@energy.gov

Tweet and Facebook with us:
#WomenInSTEM
#STEMCafes

Find this training and presentation
on our website at:
<http://www.energy.gov/diversity/services/stem-education>

