



edventures!™



EXPERTS IN
HANDS-ON
STEM EDUCATION



Girls in STEM
and the
Women Who Inspire Them

Webinar Dashboard

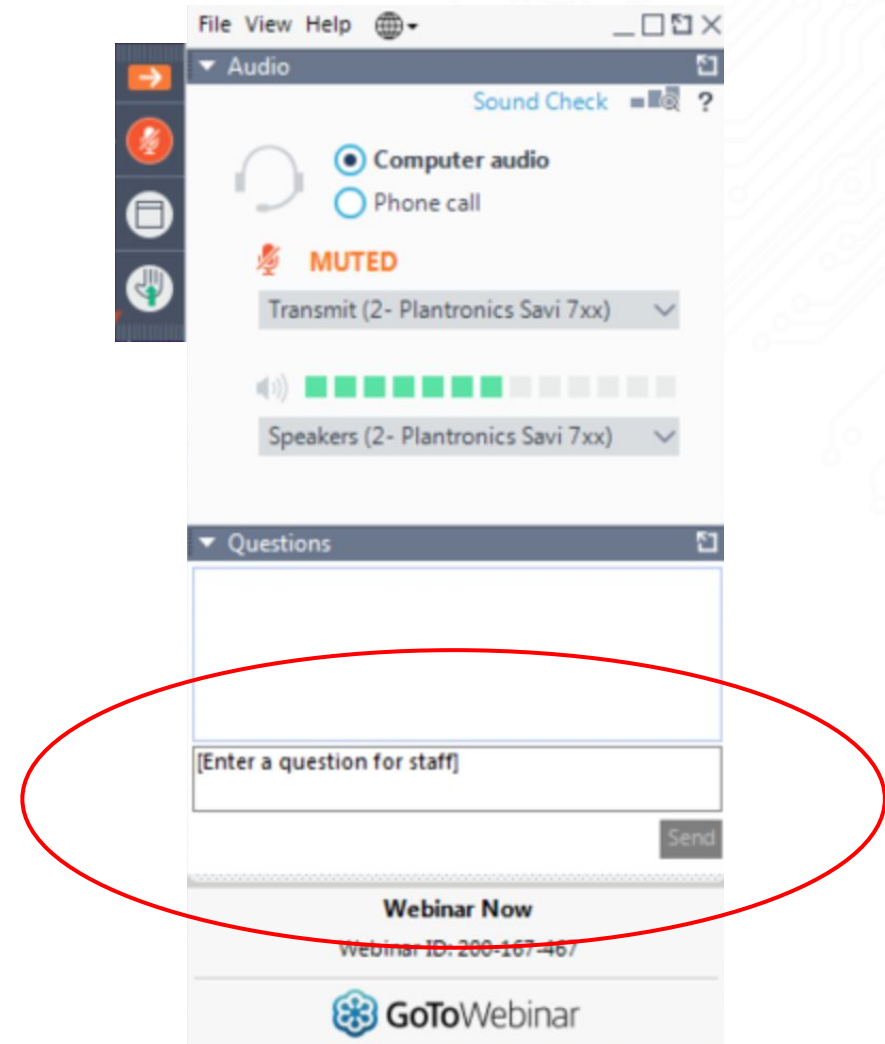
- Questions Panel

Send questions at anytime

Questions answered during Q&A

- Screen Focus

- Video or
- Presentation



About PCS Edventures



- Founded in 1988
- Pat McShane (**P**at's **C**omputer **S**chool)
- Network of experiential learning centers in Idaho, Washington and California
- STEM Kits for Educators
- Programs are adopted in over 7000 sites in all 50 US states and over 17 countries
- We develop hands-on, turn-key solutions for educators that fuel a passion for learning and a lifelong love of STEM



Today's Guests



Sonia Galaviz

Award-Winning
Educator



Sarah Foster

Founder and President
of STEM Like a Girl



Janice Levenhagen-Seeley

Founder and CEO of
ChickTech



Wendy Erikson

Women & Drones
Advisor and Podcast Host



Agenda

- How do you engage Girls in STEM?
- What can educators do to engage more Girls in STEM?
- What funding and resources are available for schools, educators, and groups working with girls in STEM?
- Q&A
- Giveaway: Girls Can Build
- Complete Survey for Giveaway Entry



How do you engage Girls in STEM?

Engaging Girls in STEM

- **Sarah Foster, Founder and President**
 - **Start early!**
 - Introduce STEM activities in elementary school - studies show middle school may be too late
 - Engage the parents
 - Parents need to feel confident in doing STEM activities with their daughters



Engaging Girls in STEM

- Wendy Erikson, Pilot and Award Winning Journalist
 - Appeal to multiple interest areas
 - Drones in fashion shows, search/rescue, animals
 - Get attention, put tools in their hands
 - Start with selfies, move on to coding
 - Build confidence with “all girl” options
 - Take advantage of friend influencers



Engaging Girls in STEM

- **Janice Levenhagen-Seeley, Founder and CEO**
 - Get them excited about problem-solving!
 - Tech is a tool...how can they use it to affect their lives?
 - Ex: Legos
 - It doesn't take a lot--a positive comment or praise from one person can change the trajectory of a high schooler's life
 - Ex: Nomination method

Chick **TECH**

What can educators do to engage more Girls in STEM?

Empowering Educators

- **Sarah Foster, Founder and President**
 - Keep it simple
 - Encourage failure
 - Provide examples or mentors of women in STEM
 - Be aware of your words and unconscious bias



- **Wendy Erikson, Pilot and Award Winning Journalist**
 - Let girls “see” what they can “be”
 - Role models in person or imagery
 - Reward risk taking, embrace possibility of failure
 - “It’s okay to crash” drone class
 - Share failures
 - Dare to be different



- **Janice Levenhagen-Seeley, Founder and CEO**
 - Teachers being trained in bias is rare yet critical
 - Studies show that bias in elementary school affects girls' math scores in middle school
 - Example of bias against female teacher
 - Make the girls feel special and chosen--micro-affirmations help to combat the micro-aggressions!

The logo for ChickTECH, with 'Chick' in a brown, cursive script font and 'TECH' in a pink, bold, sans-serif font. A blue horizontal line is positioned below the 'TECH' portion.

**What funding and resources are available
for schools, educators, and groups
working with girls in STEM?**

Funding & Resources

- **Sarah Foster, Founder and President**
 - Think outside the box!
 - Providing volunteers
 - Offering space or facility tours
 - Donating supplies
 - Facilitating an activity
 - Get creative!
 - STEM activities don't have to cost a lot



- **Wendy Erikson, Pilot and Award Winning Journalist**
 - STEM envy and the power of parent volunteers
 - PTO, Go-Fund-Me
 - Corporate Community Partners
 - Ask for funding or volunteer hours
 - Women in Science, Aviation Organizations
 - Universities and Community Colleges



- **Janice Levenhagen-Seeley, Founder and CEO**
 - NCWIT Aspire IT program--Aspirations winners and college women in CS can apply for up to \$3k
 - Tech companies often can donate \$500 or laptops
 - TechGirlz has "TechShopz in a Box"
 - Partner with adult programs that don't have a youth component--Women Who Code, etc

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Questions?



QUESTIONS?

Girls Can Build

Kit comes with:

- Instructor Guides
- Six lessons for K-2
- Six lessons for 3-5
- Plus, 13 printed sets of student pages and Lab Cards
- 10,000 BrickLAB Bricks
- All the supplies needed for all 12 lessons!

Girls Can Build

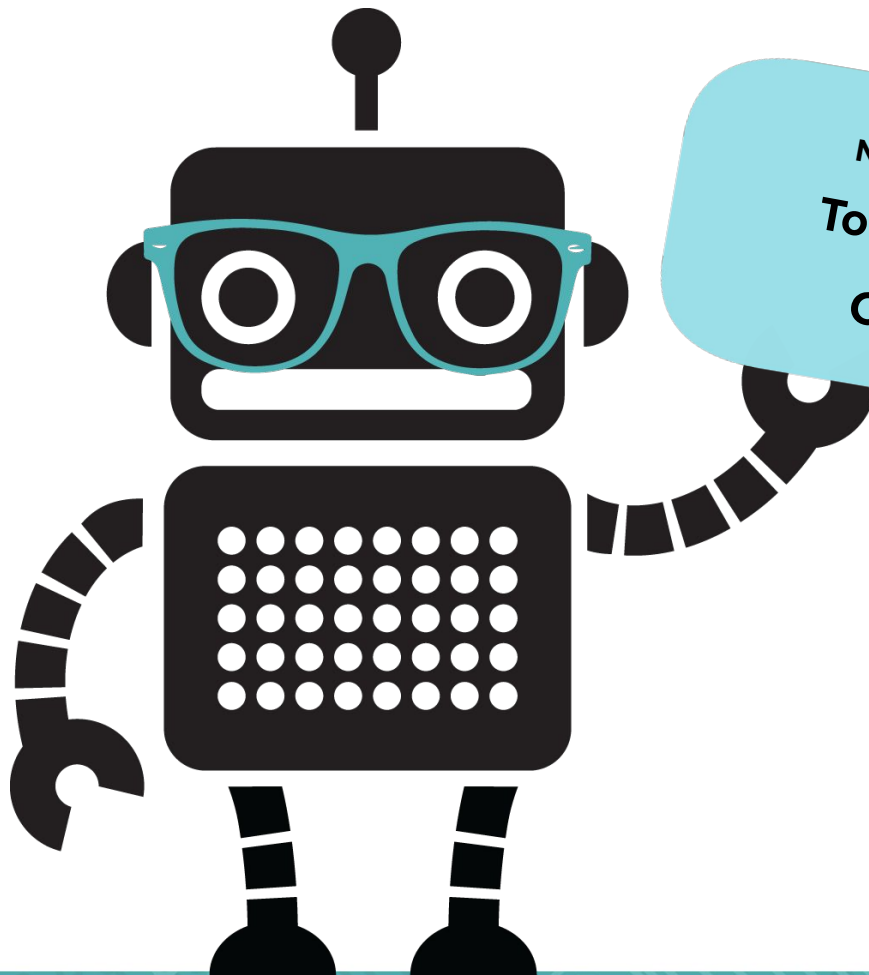
encourages girls to explore, experiment, communicate and problem-solve.



STUDENTS: Up to 30 | CONTACT HOURS: 12+

Retail value: \$1495

Complete Brief Survey



NO PURCHASE NECESSARY
To ENTER GIVEAWAY
Complete Survey



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