

# Giving Back To the Community

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# Empowering Future Generations of Coders



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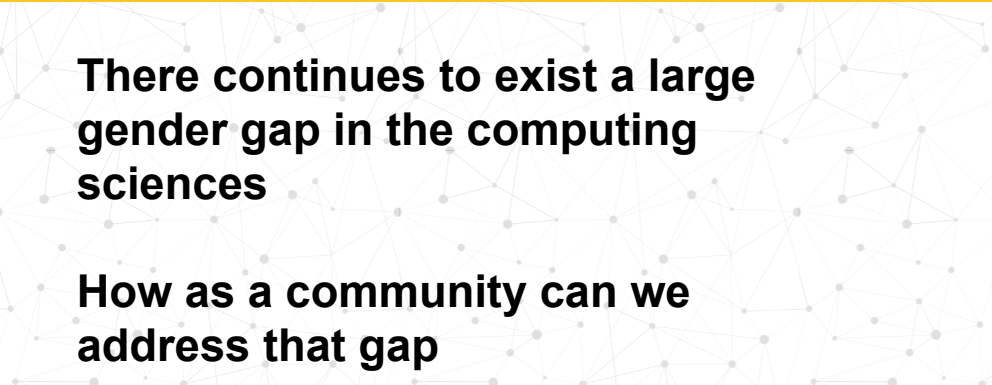
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# Empowering Future Generations of Coders

## Rural and Tribal Technology Roundtable Meeting

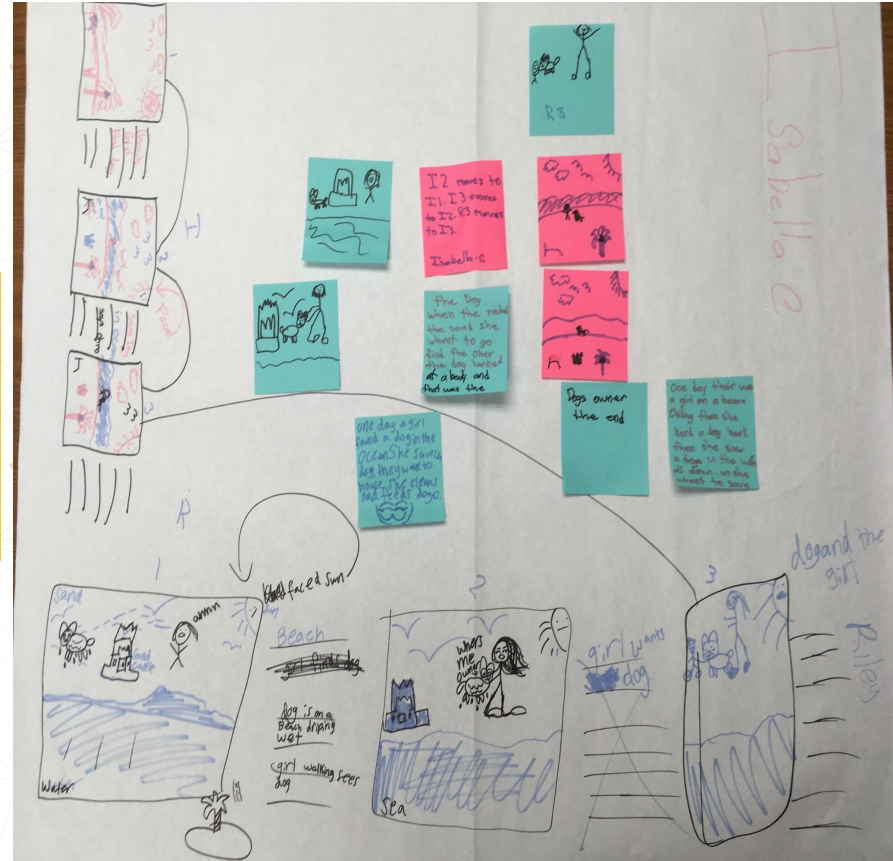
-  Problem and Solution
-  ET Story
-  Resources
-  Questions

# Issue



**There continues to exist a large gender gap in the computing sciences**

**How as a community can we address that gap**





# Issue:

The gender gap in computing is getting worse.

In 1995, 37% of computer scientists were women. Today, it's only 24%. The percent will continue to decline if we do nothing. We know that the biggest drop off of girls in computer science is between the ages of 13 and 17.



# THE CHALLENGE

1995

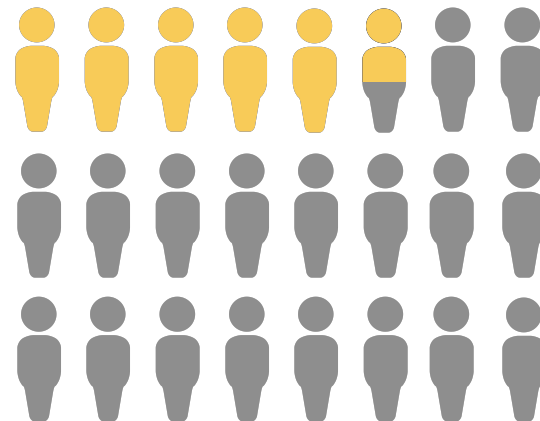
**37%**

Today

**24%**

2025

**22%**



**ONLY**

**19%**

students who receive a  
degree in computing are  
women

**ONLY**

**2%**

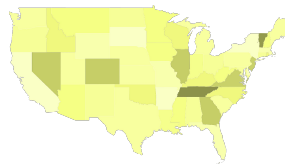
are women  
of color

# AND WHY IS CODING SUCH A GREAT SKILL TO HAVE?



**58%**

of all new STEM jobs  
are in computing



**91%**

of computing jobs are located  
outside of Silicon Valley



**67%**

of computing jobs are in  
non-tech fields like  
medicine, art, and more



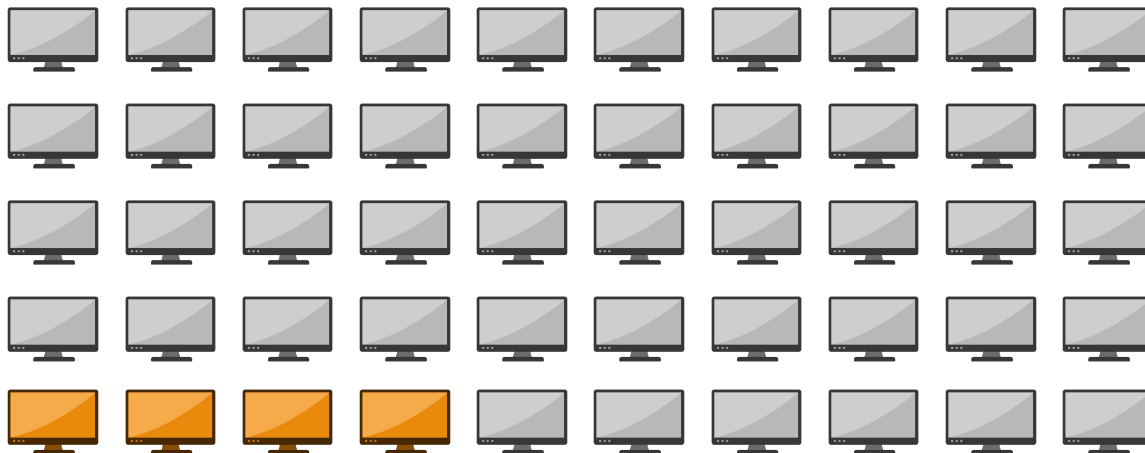
**100K**

is the average salary, and  
offers potential for more  
financial freedom and mobility

# THE MISSED OPPORTUNITY

**500,000** open computing  
jobs in the U.S.

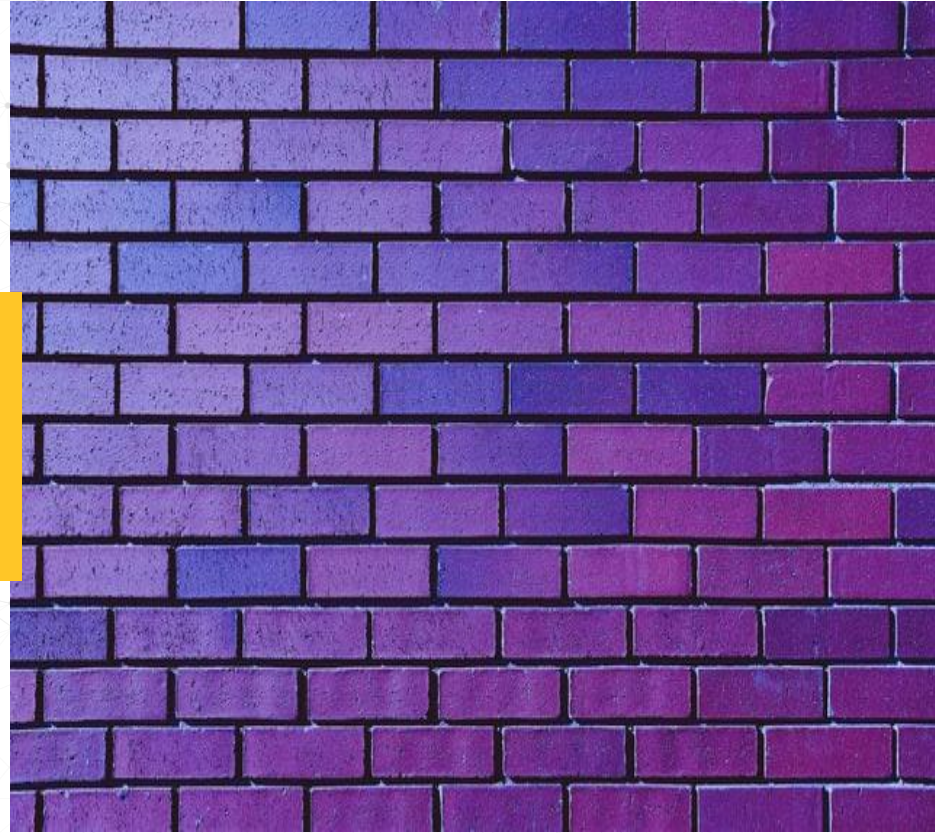
Only  
**40,000**  
CS graduates  
every year





# Addressing the Issue

Founded by [Reshma Saujani](#) in 2012 who came up with the idea of creating the Girls Who Code organization during her run for the [United States Congress](#) when she noticed that schools along her campaign route lacked girls in computer science



# GWC:



girls who  
code

Girls Who Code is a nonprofit organization which aims to support and increase the number of women in computer science by equipping young women with the necessary computing skills to pursue 21st century opportunities. The organization works toward closing the gender employment difference in technology, and to change the image of what a **programmer** looks like.

# GIRLS WHO CODE SERVES ALL GIRLS BUT ESPECIALLY THOSE WHO...



Are underrepresented in the field



Are free and Reduced Lunch eligible



Have little to no exposure to  
computer science (cs) education

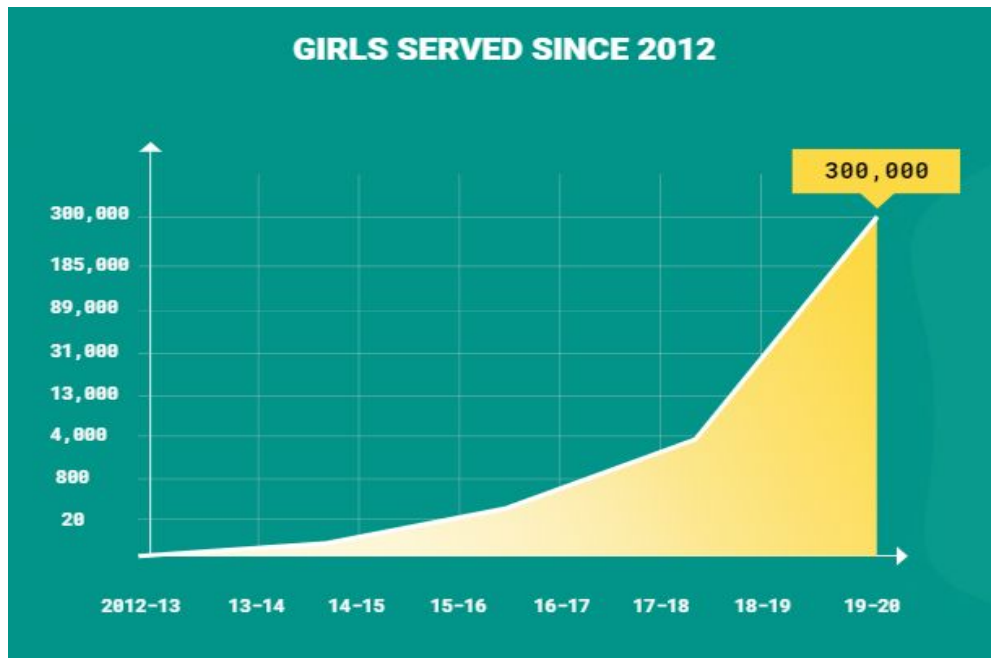


Are female or non-binary regardless  
of gender assignment at birth or  
legal recognition

And for our  
Clubs program,  
students of all  
genders are  
welcome!



## Building the World's Largest Pipeline of Future Female Engineers



# What is Girls Who Code?



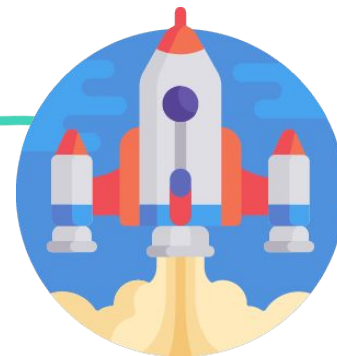
# OUR EDUCATIONAL PHILOSOPHY



**More Than Code**



**Sisterhood**



**Real-World Relevance  
& Impact**



# GWC:



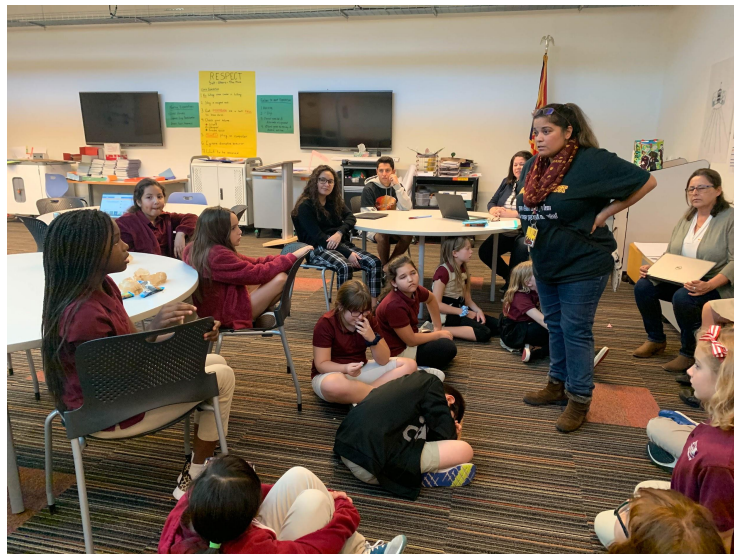
**UTO  
Giving Back**

## **Bravery, Sisterhood and Coding**

- Fully Developed Curriculum for each program
- Women in Tech, Sisterhood Activities; Reading; Coding Lessons
- Coding projects

## **A Typical Day in Club**

- Group Activity
- Discussion; Guests; Bravery
- Learning to Code
- Apply Skills and having fun
- Recap



girls who  
**code**



# **Enterprise Technology & Girls Who Code**

**How did we get ourselves into this?**



# Giving Back to the Community

An ASU ET Volunteer Team-Building Program



**UTO  
Giving Back**

How the ET GWC Clubs got started:

- ET Executive Sponsor
- We partnered with the ASU Educational Outreach and Student Services
- Worked with the local Partnership Coordinator from GWC organization, and the national assigned partner from New York
- Coordinated efforts with the principal and teachers at each site; Hosted a parent's night at the schools
- Recruited and Prepared facilitators
- Continue to interact with the principal and teachers at each site



# GWC:

## Programs

- K-12: 3-5th grade; Middle School; High School
- College Loops: GWC Alumni
- Summer Immersion Programs: 10th-12th
- Coding at Home

## Girls Who Code Headquarters

- Facilitator Toolkit
- Resources
- Webinars
- In depth Curriculum
- How to customize your clubs
- Marketing
- Remote Tools



# UTO Giving Back



girls who  
code



# ET Partnerships & Resources



# How Can We Partner With You

- Girls Who Code Headquarters and Resources
- ET Giving Back to the Community
- Starting a Club Support
- Other ASU Partnerships - Apple
- Guest Speakers
- Area Experts

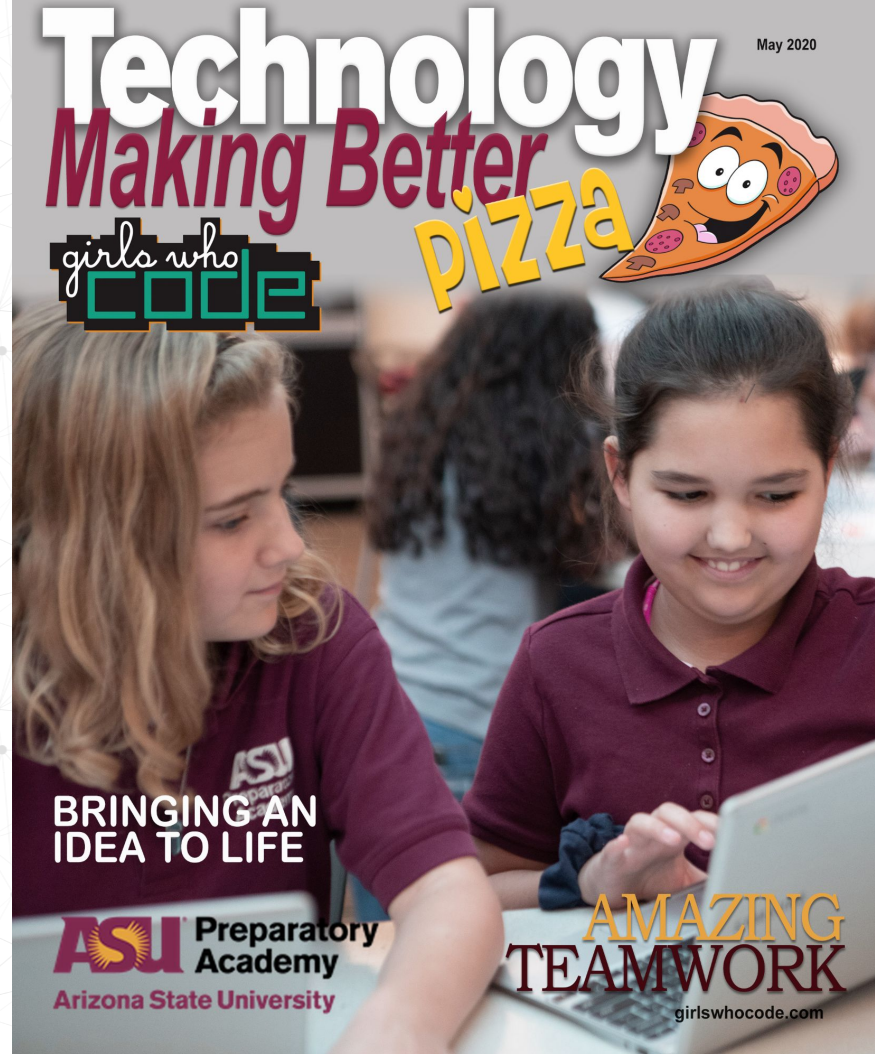




## On the Ground Requirements

- Internet
- Computers
- Decision Maker/Sponsor
- Facilitators
- Local tech support available to Sponsor

Curriculum is comprehensive and included in the GWC Headquarters. Webinars, regional support personnel, funds, t-shirts and a full suite of support is available to facilitators.



**Technology**  
*Making Better*  
**pizza**

May 2020

*girls who*  
**code**

**BRINGING AN  
IDEA TO LIFE**

**AMAZING  
TEAMWORK**

**ASU** Preparatory Academy  
Arizona State University

girlswhocode.com

# Coding is Cool

girls who  
**CODE**

10

SUPER  
PROJECTS

Semester  
End  
Issue!

Everything  
code worthy

BRINGING AN  
IDEA TO LIFE

**ASU** Preparatory  
Academy  
Arizona State University

THE  
MOST  
AMAZING  
CODER

SPRING 2016



**Questions?**

