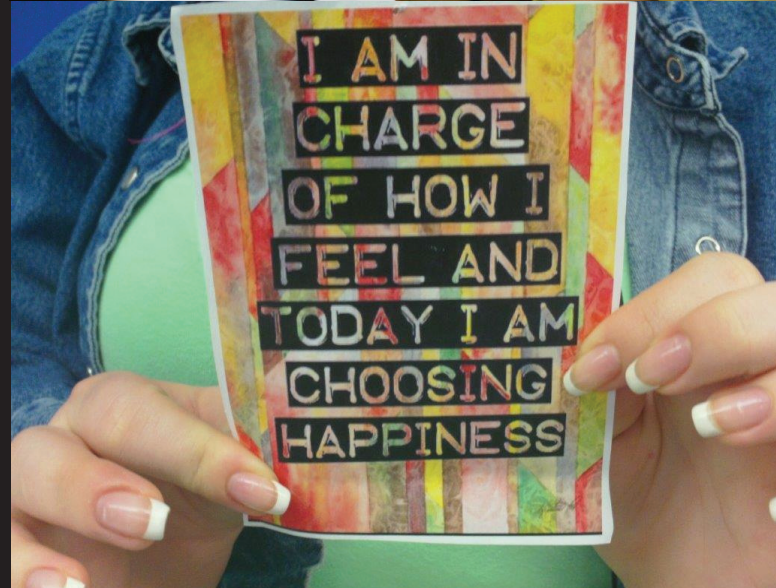


CompuGirls is one of the few programs in the nation introducing adolescent girls to the fields of science, technology, engineering and mathematics (STEM) through **innovative teaching** techniques, **social justice** and the latest technologies. By providing access to resources not otherwise available, our program helps girls develop the skills needed to become the next generation of **tech innovators and community leaders**.

“Thanks to CompuGirls, I have really grown out of my shell and am able to present with a lot more **confidence**.”





# who we are

## Kimberly A. Scott

Founder, Executive Director,  
and Principal Investigator

Founder, Executive Director and Principal Investigator  
Associate Professor in Women and Gender  
Studies Department within the School of Social  
Transformation at Arizona State University.  
A scholar-activist, Scott's work focuses on issues  
of social justice with an emphasis on girls' of color  
social and academic development. She holds the  
distinguished honor of being named a **STEM Access  
White House Champion of Change**.



## Mentor Teachers and Management Interns

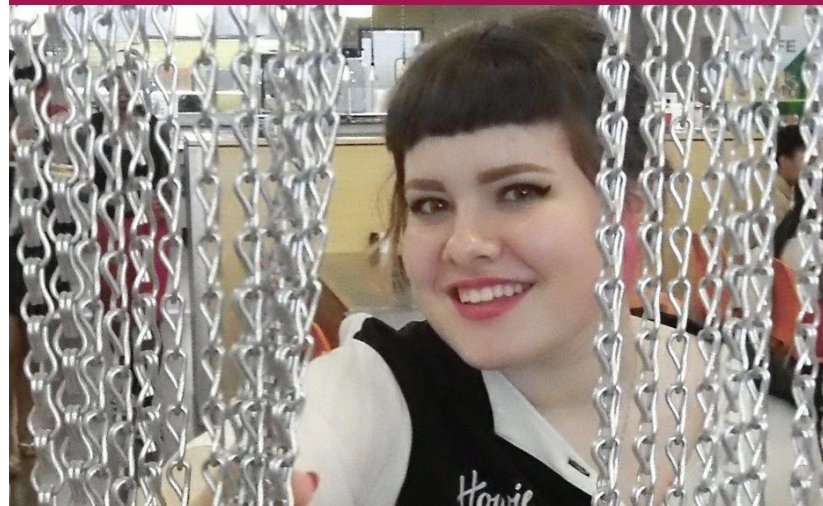
Staff are a mixture of carefully **screened** in-service  
teachers (Mentor Teachers) and individuals who hold  
their bachelor's degree (Management Interns). Each  
individual experiences **multiple training sessions**  
about **culturally responsive teaching**, social justice,  
techno-social analysis, and digital media.

# what we're about

The global economy of the 21st century demands an  
innovative and technologically proficient workforce.  
CompuGirls prepares girls for future success  
by providing resources to enhance their current  
technical skills. Girls become **more than gamers  
or consumers**, creating their own unique projects  
around a social justice theme.

**Initiated in 2007**, CompuGirls is a culturally  
responsive **multi-site**, multi-session technology  
program for adolescent girls (**ages 13-18**) who have  
little exposure to, and representation in the STEM  
field. Supported by grants from the National Science  
Foundation and Intel Foundation, CompuGirls  
provides fun, **free** programs where girls learn how to  
manipulate the latest technologies in digital media,  
game development, and virtual worlds to positively  
affect their communities.

**“Our program is not only about  
technology; it’s about identity and  
transformation for girls.”**



**“This program presents a  
well-rounded platform. It  
provides girls with **collegial  
experiences, network  
opportunities, and creative  
work time**. It broadens their  
perspective of the **STEM field**.”**



Supported by our partners and grants, girls are provided access to laptops, wireless internet, digital cameras, video equipment, and software. At the end of each program, community members are invited to attend a **Closing Ceremony, planned by the girls**, in which they present their projects to friends, family and stakeholders.

We **value** culturally responsive computing, community advancement, computational thinking, sustainable effort, and collective action. We foster girls' abilities to become change agents in the 21st century.

### Benefits for Participants:

- Research skills necessary for college readiness (e.g. database searches, research methodologies, identification and analysis of peer-reviewed articles, presentation skills)
- Enhanced technology skills and engagement in activities that are instrumental to obtaining 21st century skills
- Opportunities to present projects at national and statewide conferences
- Involvement in positive experiences during time in which teens typically engage in anti-social activities
- Increase in critical thinking and better writing skills.
- Opportunity to explore different aspects of social justice and discover a sense of self in a creative environment

### Benefits for Mentor Teachers and Management Interns

- Low teacher to student ratio to develop meaningful relationships with students
- Opportunity to facilitate discussions with girls on how to become digital innovators
- Increased teaching repertoire through completion of over 40 hours of training in teaching a social justice, technology, and other culturally relevant pedagogy
- Expansion of knowledge of technology
- Serve as ally, advocate and role model for a group of young women

### Benefits to Potential Sites

- Cultivation of individuals who are better equipped to understand teen and community issues.
- Expanded pool of in-service and pre-service teachers with hands-on teaching experiences
- Knowledge of how to revise curricula and modify interactions to increase student engagement
- Professional development in proven pedagogical practices and strategies.
- Greater understanding of community needs and ability to use community space in non-traditional ways





# Our Impact

An external evaluation shows that CompuGirls provides an expertly-guided experience that would otherwise not be available to girls in a school or home environment. The data shows that the program **increases self-concept** through **improved technological abilities** which leads to the production of **meaningful shared digital products**. Related findings suggest that girls develop **increased clarity of self-purpose** through the projects and the investigations of social justice issues, better positioning them to **participate, contribute, and grow in the digital learning landscape**.

## Supporters

American Express  
Arizona Community Foundation  
Arizona Science Foundation  
Arizona State University  
Aurora Youth Options  
Blair Caldwell Library  
Boys and Girls Club of Sacaton  
Chandler Public Library  
Contemporary Leadership Academy  
Cronkite School of Journalism and  
Mass Communication  
Denver School of Science and Technology  
Dunn Transportation  
Florence Crittenton  
Girls Athletic Leadership School  
Girl Scouts Arizona Cactus-Pine  
Girls Inc.  
Google  
Helios Education Foundation  
Henkel Foundation  
Kearney Middle School  
Marquette University  
Merrill Middle School  
Morey Middle School  
Motorola  
MouseSquad California  
Oakland Library Association  
Oakland Unified School District  
Papago School  
PEPP, Inc.  
Phoenix Indian Center, Inc  
Phoenix Union High School District  
Smith College

STEMWorks  
Tata Consultancy  
TechShop Chandler  
Tempe Union High School District  
University of Colorado— Denver  
Vickers Boys and Girls Club in Park Hill  
Wells Fargo Bank  
Women Investing In Women  
Women Who Code

## Eligibility Criteria for Potential Sites

Sufficient space to accommodate large group (10-40) and small group (5-7) interaction

1 : 1 ratio of girls to computers (laptops are preferable to desktops, Macs to PCs)

Internet/wifi connection with a secure server that can support virtual world activity

Moveable furniture that can be grouped

Whiteboard/blackboard or Smart Board with capability to access digital image from "Teaching Station"

Extension cords, power strips/surge protectors and computer chargers

Space where girls and staff can eat lunch/ snack and take breaks

Access to public transportation preferred

Staff willing to commit to program implementation

Staff willing to undergo one of three Training Institutes offered annually by CompuGirls (travel to Phoenix required)

Please note that all curriculum and collateral will be provided by CompuGirls ASU.

## Investors

National Science Foundation  
Intel Foundation

For more information or to find out about upcoming sessions, please visit our website at **[www.compugirls.org](http://www.compugirls.org)** or Email: [compugirls@asu.edu](mailto:compugirls@asu.edu)