

GIRLS AND STEM EDUCATION



ICT4D

INFORMATION AND COMMUNICATION TECHNOLOGIES FOR DEVELOPMENT



Volunteers engage and girls in STEM to teach students critical thinking, creative capacity-building, and the value of education.

OVERVIEW

When addressing the gender gap in the workforce around STEM fields (science, technology, engineering, and mathematics), girls and women face many hurdles.

We cannot afford to miss out on the talent and ingenuity of half the world's population.

Volunteers address this gap by serving as mentors, teachers, cheerleaders, and role models for STEM-fields and STEM-related activities that encourage and engage students girls in particular.

"Gender stereotypes disproportionately impact girls and women, particularly when it comes to career choice. Thankfully, both here and in the US, this is changing, but we still have a long way to go."

— Volunteer in Jamaica

Help to **empower, amplify, and support** Peace Corps' global mission.



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Photo courtesy of PC/Uganda's GirlTech Uganda

On average, only

35%

of researchers where Peace Corps Volunteers served in 2015 are women.

(Source: UNESCO Institute of Statistics, 2016)

At current trends, by 2043 less than

1%

of the global tech workforce will be women.

(Source: ITU, 2012)

POPULAR VOLUNTEER ACTIVITIES

Develop and coordinate camps that target female students and teachers that increase interest in STEM fields and builds their educational capacity.

Create and manage clubs for girls and local youth that promotes science and creativity.

Host 'hackathons' or design challenges that rallies local youth to address challenges facing women and girls in education.

Help to furnish educational teaching and learning materials with a STEM focus such as textbooks, hardware and software, and other library materials.

Use STEM in the classroom as a way to engage students in any topic (not limited to STEM field!) such as English education, life skills, finance, etc.

LEARN MORE

All of these links and more can be found at playbook.peacecorpsict4d.org

Peace Corps ICT4D Playbook - 'Girls and STEM Education' and 'Digital Literacy' anchor areas. Links to information, resources, and organizations with an ICT4D perspective.

Peace Corps Passport Blog. Articles and blog posts tagged with 'Let Girls Learn' and 'Technology for Development.'

Peace Corps Gender and Development Facebook Group. Global community of Volunteers and Peace Corps staff.

Peace Corps Youth Camps Manual—GLOW and Other Leadership Camps. The official manuals are a great place start in running your own camp!

Blog—How I Used My Computer-Science Degree in the Peace Corps While Serving in Rural Africa - Lyla Fujiwara, RPCV Rwanda, discusses her role in supporting young entrepreneurs and creating the tech-focused computer skills camp for women, Camp TechKobwa.

Organization—Technovation. Every year, Technovation challenges girls all over the world to build a mobile app that will address a community problem.

Anita Borg Institute - Sisters - Forum for all women involved in the technical aspects of computing. The community has over 6,000 members from at least 60 countries around the world.