team4tech

2019 Impact Report

Team4Tech advances the quality of education for underserved learners around the world through technology solutions and capacity building.

DEAR FRIENDS,

Thanks to our generous donors, corporate partners, and their employee volunteers, Team4Tech continues to grow our impact. Over the past seven years, we have helped 25 nonprofit organizations in 18 countries improve educational opportunities for 65,000 underserved learners through technology solutions and capacity building.

We select innovative local nonprofit partners with strong education programs and help amplify their impact through technology grants and pro bono consulting. Our ultimate goal is to advance progress on the United Nations Sustainable Development Goal 4.4: to substantially increase the number of youth and adults who have relevant skills — including technical and vocational skills — for employment, decent jobs, and entrepreneurship.

Our Approach

We have continued to build long-term partnerships with nonprofit organizations who have progressed along our skills roadmap — helping teachers and students build digital literacy skills; integrating educational technology to accelerate math, science and literacy learning; and developing lifelong learning skills such as creative problem solving, critical thinking, and collaboration through coding, making, robotics, and other project-based learning activities. Our approach is based on research that shows that the combination of teacher training and educational technology used for interactive learning and authentic applications can have a significant positive impact on learning outcomes.

Success Stories

Our work with the nonprofit Kidspire Vietnam is one example of how we have expanded educational opportunities through long-term partnership. Kidspire works to improve education and employment outcomes for children growing up in state-run orphanages in Vietnam, through after-school technology classes and leadership programs. Over the past five years, Team4Tech has contributed more than $100,000 in technology grants and $1M in pro bono services to help Kidspire build two new innovation labs for their students, launch both a maker program and a career readiness program, and continually improve their technology curriculum through human-centered design. As a result, Kidspire students are now staying in school longer and getting better jobs.

In 2019, Team4Tech also built on our five-year partnership with LEAP Science and Maths Schools in South Africa to support the launch of their first robotics club — and the team won third place in their first regional competition. 72% of LEAP students attend university, compared to less than 5% of black South African students nationally.

As more and more nonprofit organizations become aware of the impact of Team4Tech projects, the number of applicants for our support is growing. In 2019, we saw a five-fold increase in the number of applicants, 20% of whom we were able to add to our portfolio for the coming year. We are continually refining our partner selection process to invest in organizations with systemic influence, who can scale successful models across their educational ecosystem.

Please help us continue to grow our support for these remarkable community education organizations, as we work towards achieving our goal of making a significant difference for 100,000 underserved learners around the world by 2023.

SINCERELY,

JULIE CLUGAGE
Co-Founder and
Executive Director

LILA IBRAHIM
Co-Founder and
Chair of the Board

Team4Tech Skills Roadmap

Team4Tech projects are catalysts for our nonprofit partners. We engage in three- to five- year collaborations with established, high-performing nonprofits, ensuring that our projects lead to sustainable impact. The goal is to improve educational outcomes for learners along our skills roadmap as the nonprofits build capacity.

DIGITAL LITERACY SKILLS

Build digital literacy skills to become confident using technology.

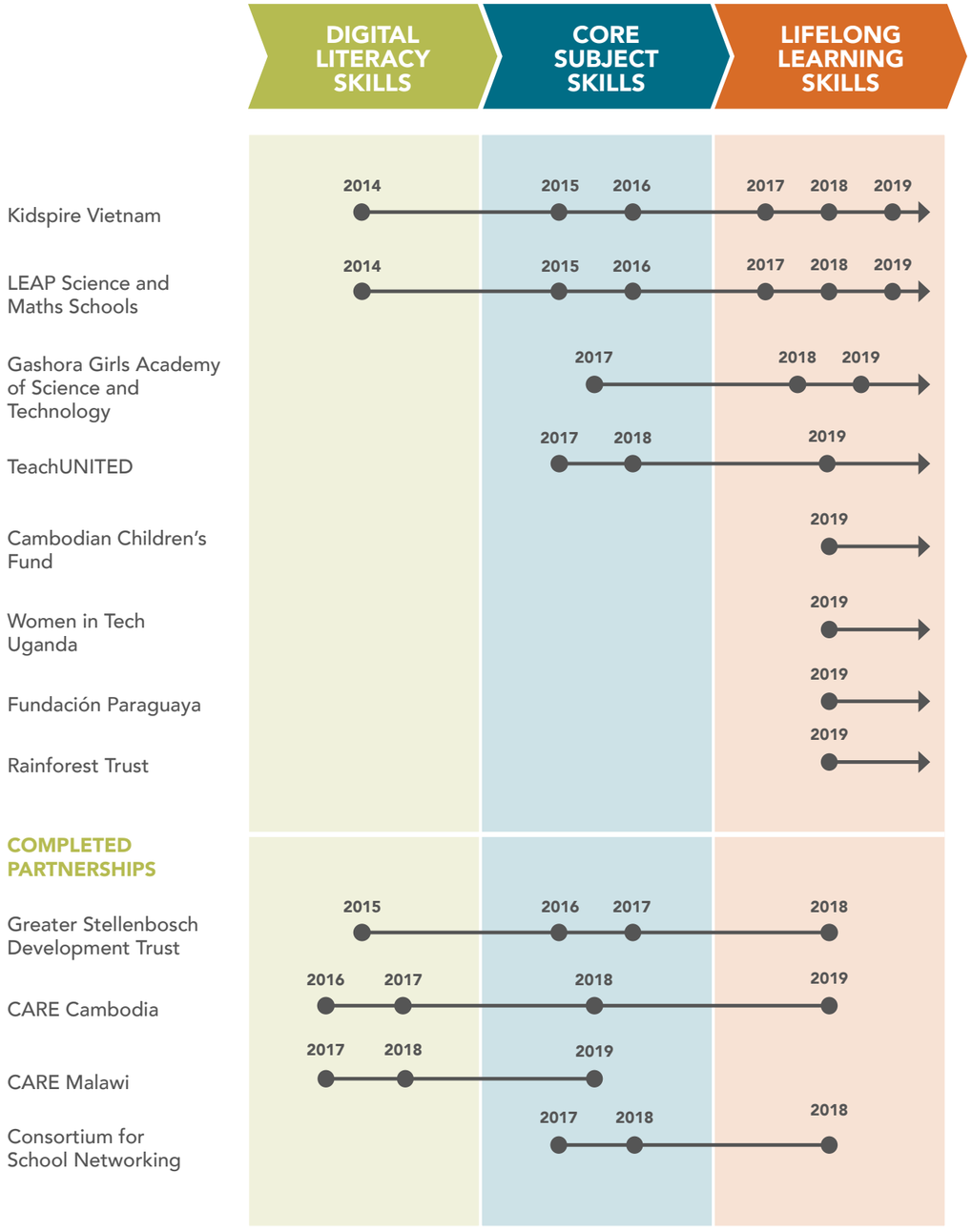
CORE SUBJECT SKILLS

Integrate educational software into teaching and learning to improve math and literacy skills.

LIFELONG LEARNING SKILLS

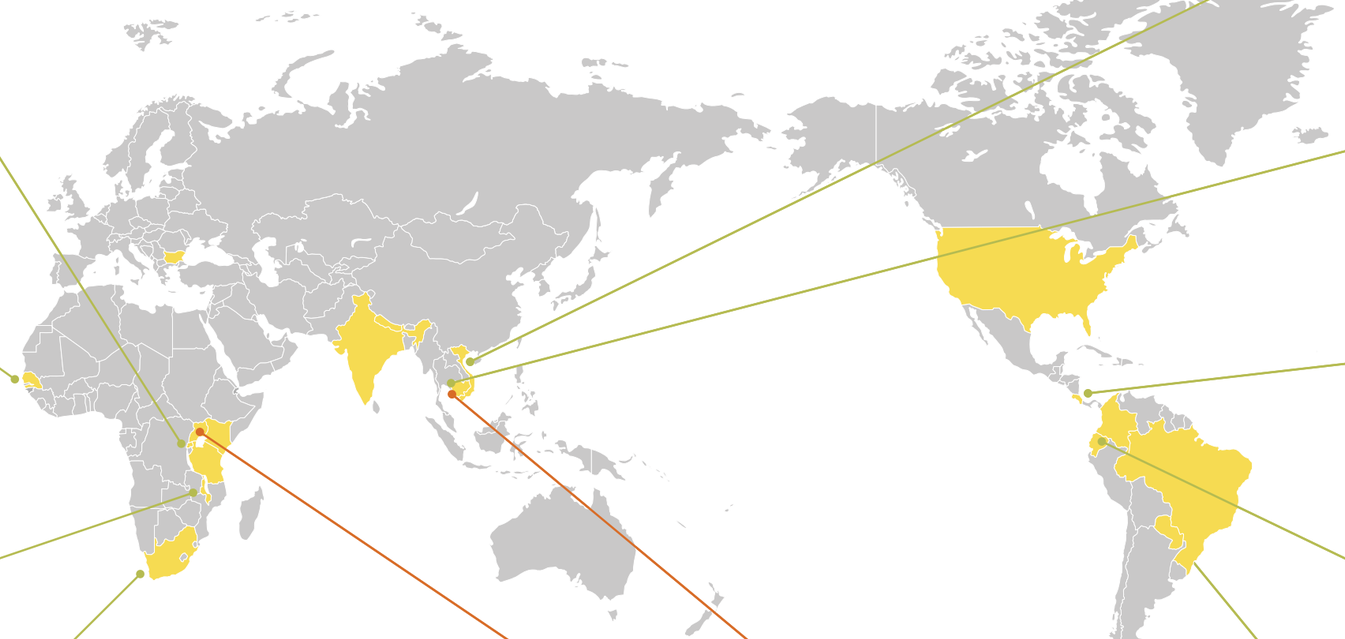
Use project-based learning to promote creative problem solving, critical thinking, collaboration, and entrepreneurship.

TEAM4TECH MAKES A SUSTAINED COMMITMENT TO NONPROFIT PARTNERS THROUGH ONGOING PROJECTS.



Strengthening Educational Capacity: 2019 Project Highlights

Since 2013, our projects have advanced the quality of education for **65,000 learners** in **18 countries**.



RWANDA

At Gashora Girls Academy of Science and Technology, Team4Tech improved connectivity to enable technology access for more than 300 students and taught workshops to advance students' media design skills. Engagement in STEM continues to increase, and STEM student exhibitions grew 40% last year.

SENEGAL

Team4Tech Fellows helped MyAgro design a better precision planter that plants and fertilizes simultaneously to increase local farmers' productivity and profitablity. The new planter achieved a 22% higher germination rate than their current furrower.

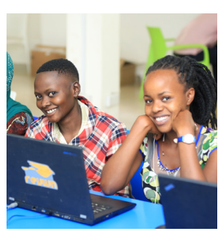
MALAWI

Team4Tech helped CARE Malawi incorporate tablets and educational software to accelerate learning outcomes for out-of school girls.

SOUTH AFRICA

Team4Tech Fellows helped LEAP Science and Maths Schools launch a robotics program and use educational software to enhance their math curriculum.

NEW PARTNERSHIP: WOMEN IN TECH UGANDA



74% of Ugandans ages 15–25 are unemployed. Team4Tech supported Women in Tech Uganda (WITU) in launching the first community makerspace in the country, featuring maker tools and entrepreneurship training to empower underserved young women to become entrepreneurs and technologists.

VIETNAM

Two Team4Tech projects enabled Kidspire Vietnam to launch an Innovation Lab and expand its maker curriculum to help students growing up in state-run orphanages develop skills for a better future.

CAMBODIA

With the support of Team4Tech, CARE's Know & Grow Program to empower marginalized youth increased student engagement in STEM through coding and robotics.

COSTA RICA

Through Team4Tech, TeachUNITED provided professional development in effective technology usage for teacher trainers and local community members.

ECUADOR

Team4Tech, in partnership with Rainforest Trust, presented capacity building workshops for local conservation organizations and developed a resource library for trainers.

PARAGUAY

Team4Tech Fellows, working with Fundación Paraguaya, developed and presented a technology bootcamp for community entrepreneurs.

NEW PARTNERSHIP: CAMBODIAN CHILDREN'S FUND

Cambodian Children's Fund works with 2,000 low-income families around a former garbage dump to provide education, healthcare, and other services. Team4Tech supported teachers with digital design, media tools and training to help students develop skills that can lead to better jobs and economic opportunities in the future.

Empowering Girls Through STEM Education: Case Studies

GASHORA GIRLS ACADEMY OF SCIENCE AND TECHNOLOGY

After hearing of a classmate's police bribery incident, Angela, Monica, and Odile used technology skills to fight back by creating and patenting the AKAPP (Anti Korruption App). Angela shared, "Team4Tech opened our eyes to the influence of technology. The workshops proved to us that technology can help solve the world's problems."

In Rwanda, fewer than 34% of girls attend upper secondary school, and only 8% graduate. Gashora Girls Academy of Science and Technology (GGAST) is a "whole girl" STEM-focused secondary boarding school that enrolls a socioeconomically diverse population of girls from across Rwanda, with the goal of preparing them to study at leading universities. In 2019, 100% of Gashora girls passed their National Exams.

GASHORA GIRLS TEAM4TECH PROJECTS

2017 — 2018 — 2019

DIGITAL LITERACY SKILLS

Team4Tech trained teachers in the use of productivity software and introduced project-based learning to begin the shift of classroom instruction toward student-centered learning.

CORE SUBJECT SKILLS

Team4Tech built capacity for GGAST's staff through deeper STEM integration by introducing coding, computational thinking, and design thinking principles.

LIFELONG LEARNING SKILLS

Team4Tech supported GGAST teachers and students in furthering their skills in 3D design, website presentations, and computer programming.

CARE CAMBODIA

For the last two years, eighth grader Rangsei* has participated in Team4Tech workshops. She loves being able to create using technology and is grateful for the opportunity to learn these skills: "When I am an adult and work hard, I know technology will help get my family and me out of poverty."

** For the protection of underage learners, a pseudonym has been used.*

Since 2015, CARE Cambodia's Know and Grow program has worked with nearly 3,000 middle school youth, more than half of whom are marginalized ethnic minorities, to improve education in the rural province of Ratanak Kiri. Team4Tech projects have been a catalyst for integrating technology into these regional schools. CARE Cambodia is now transitioning the program to the Ministry of Education as they plan to scale technology integration into all Cambodian schools by 2025.

CARE CAMBODIA TEAM4TECH PROJECTS

2016 — 2017 — 2018 — 2019

DIGITAL LITERACY SKILLS

Team4Tech trained teachers from four schools and equipped a fifth school with a computer lab, teacher laptops, and a classroom set of student tablets.

CORE SUBJECT SKILLS

To mitigate poor connectivity, Team4Tech provided offline accessible servers and trained teachers in uploading Khmer language education resources.

LIFELONG LEARNING SKILLS

Team4Tech provided robotics and coding tools and workshops to increase student interest in STEM.

Strengthening Local Education Capacity

AFTER PARTICIPATING IN TEAM4TECH TRAINING:

94%

of teachers report

increased technology knowledge and skills

that they can share with their students.

92%

of teachers report

increased productivity

due to improved technology skills, allowing them

more time to focus on student learning.

90%

would

strongly recommend Team4Tech's trainings

to other teachers.

Based on responses from 628 survey participants from 2018–19 projects.

BUILDING EDUCATION CAPACITY IN SOUTH AFRICA

Team4Tech began partnering with LEAP Science and Maths Schools in 2014 to install computer labs and teach digital literacy workshops in their schools in six townships across South Africa. Through annual projects, Team4Tech has supported LEAP teachers and students in advancing their technology skills.

In 2018, Jeremiah Mubaiwa, LEAP's National Director of IT, asked Team4Tech to help LEAP build on that progress by working to launch a robotics program. With the goal of exposing students to STEM career possibilities, Team4Tech Fellows trained students and IT teachers on LEGO robotics kits, which were funded by a Team4Tech technology grant.

In 2019, LEAP launched its first robotics club, which won a bronze medal in its first competition. The team's three Grade 11 students, Kaigso, Sarah, and Dumisani,* learned skills like time management and communications, in addition to the technical skills needed to build and program the robot. They have now begun to share these skills with younger students. Sarah is interested in becoming a mechanical engineer, while Kaigso and Dumisani are considering computer science.

"After the robotics competition, I was inspired to learn more programming. I am also trying to help others learn and have been helping broaden our programming team."

Kaigso*, Grade 11, LEAP Science and Maths Schools

** For the protection of underage learners, pseudonyms have been used.*

Activating Changemakers: Team4Tech Fellows

Team4Tech Fellows are volunteers from corporate partners who share their professional skills to help local nonprofits build capacity through technology implementation and training. Since 2013, Team4Tech Fellows have contributed more than 65,000 pro bono volunteer hours to benefit 25 nonprofits in 18 countries.

AFTER PARTICIPATING IN TEAM4TECH PROJECTS, FELLOWS CONTINUE TO MAKE AN IMPACT ON LOCAL NONPROFITS.

Team4Tech Fellow Nick Heaton from Cadence Design Systems joined the board of Women in Tech Uganda (WITU) and helped them launch a microloan program for women entrepreneurs.

Team4Tech Fellows from Pure Storage pooled their resources and fundraised so staff from nonprofit Kidspire Vietnam could participate in professional development in the US. They also engaged one of their largest suppliers, Unigen, to provide students with internships to gain valuable career experience.

Madhura Chavan, a Team4Tech Fellow from Autodesk, helped staff from the nonprofit MyAgro continue to develop their human centered design skills by working with the Luma Institute to gain access to additional free training.

"After volunteering, I can vouch firsthand that the Team4Tech experience changes the lives of both participants and partners. Each person gets to build technical and design thinking skills in a diverse environment, gaining creativity and a global mindset in a way beyond the end of the project."

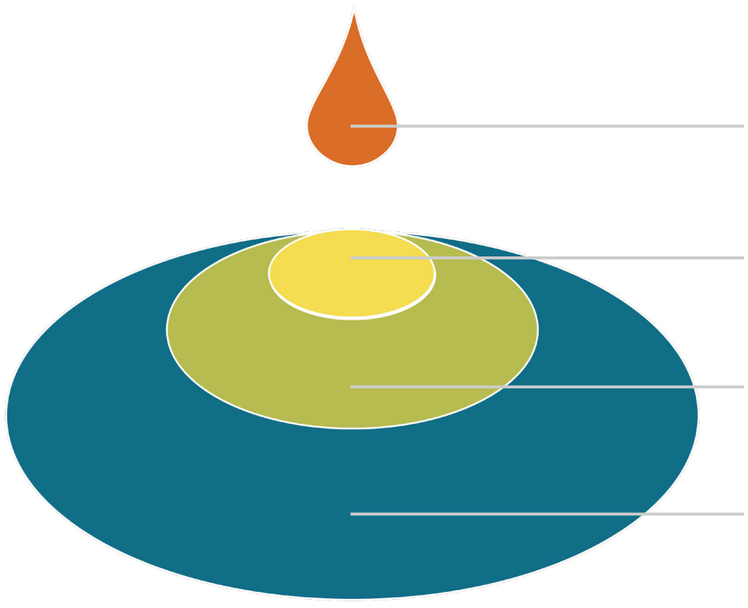
Ben Thompson, Senior Manager of Sustainability and Head of Employee Impact, Autodesk Foundation

OUR CORPORATE PARTNERS:

Adobe · Autodesk · box · cadence · DocuSign · Pure Storage · twilio · workday

Team4Tech's highly efficient operating model delivers nearly **$20 of impact for each $1 donated** to the Team4Tech Education Impact Fund.

VALUE OF IMPACT PER PROJECT



$15,000
Team4Tech Education Impact Grant for technology

+$15,000
nonprofit match of Team4Tech grant

+$60,000
corporate sponsorship of Team4Tech Fellows and Team4Tech's OpEx

+$200,000
in-kind value of pro bono consulting*

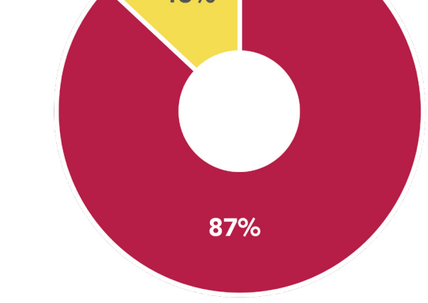
Total impact value: **$290,000**

*Total value of 1,300 pro bono consulting hours per project using the 2019 CECP/Taproot benchmark of $155 for mid-level IT professionals.

Financials (July 2018–June 2019)

FUNCTIONAL EXPENSES

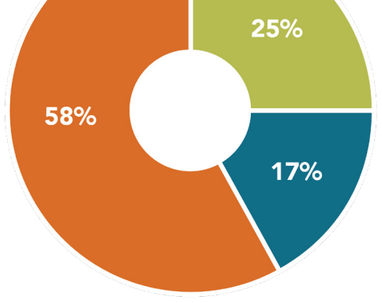
Total expenses: $1,084,486



Program
Administration and development

REVENUE SOURCES

Total revenue: $977,739



Foundation grants
Individual contributions
Corporate contributions

Team4Tech's full financial statements are available on our website.

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TEAM4TECH.ORG