



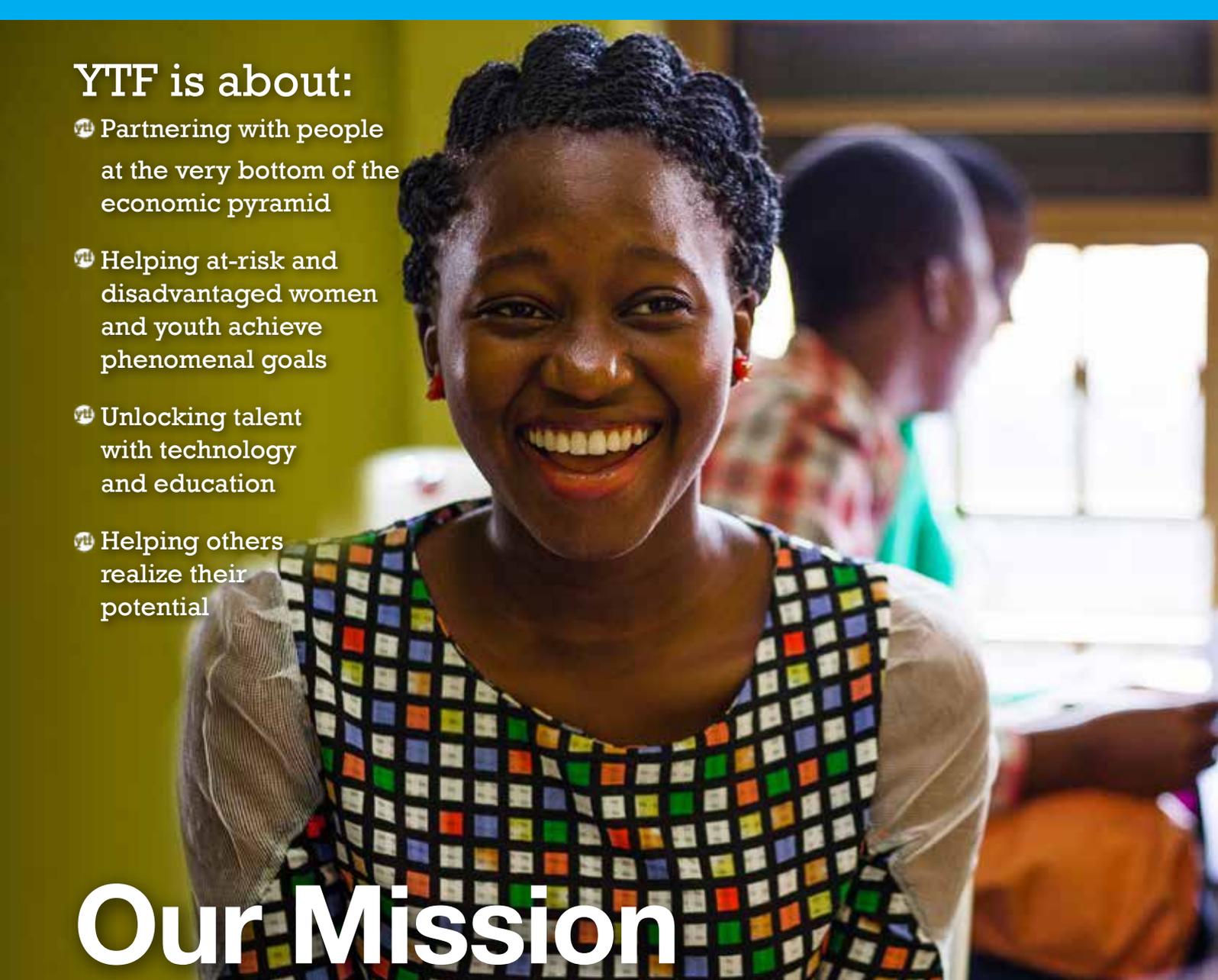
# IMPACT REPORT 2016

PROGRESS, MILESTONES AND FUTURE FOCUS



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## YTF is about:

- Partnering with people at the very bottom of the economic pyramid
- Helping at-risk and disadvantaged women and youth achieve phenomenal goals
- Unlocking talent with technology and education
- Helping others realize their potential

# Our Mission

Youth for Technology Foundation (YTF) is an international nonprofit organization. For the past 16 years, we've devoted our time and resources to empowering youth and women with education and technology.

Our mission is to create enriched communities in which the appropriate use of technology affords opportunities for marginalized youth and women. It's our belief that, together, education and technology have the power to create efficiency, access, and equality. With the help of our partners, volunteers, and supporters like you, we create rich learning environments that have impacted the lives of thousands – and this is just the beginning.



# Where We're Focused

## 1. Harnessing the Potential of the Youth Bulge

The youth bulge is a stage of development where a country achieves success in reducing infant mortality rates, but where fertility rates are still high. The result is that a large share of the population is comprised of children and young adults who need to be schooled and employed as tomorrow's young adults. YTF's primary market is the 1.7 billion youth between the ages of 10 to 24, of whom 86 percent live in developing countries. In Nigeria, where YTF first pioneered the digital village model, these youth contribute as much as 80% to GDP. YTF Academy prepares young people to be enthusiastic employees or entrepreneurs by increasing their skills to enhance their productivity in the labor market.

“You never know what potential is in their mind and in their heart; what imagination they have; what they have already thought of and dreamed of that may be locked in. All because they have no means to bring it out.” — Program Manager, YTF Academy



## 2. Encouraging Reverse Migration

YTF is an advocate for reverse migration. We believe that young people should stay in their rural communities to develop them as opposed to moving to the urban areas in search of employment, where they may end up contributing to the population, crime and unemployment crisis in the urban areas. To ensure that staying in rural communities is sustainable, YTF beneficiaries are encouraged to seek opportunities to improve their communities through entrepreneurship.

## 3. Empowering Women

At YTF, we believe that women are the “glue” in our communities and investing in women is the smart thing to do. Women in rural communities allocate a greater share of their individual incomes to food purchases than men whose poverty they share. Women’s incomes are significantly and directly associated with children’s nutritional status. Amazing things happen when women become agents of their own economic power and communities do better.

## Technology for Inspiration

YTF continues to grow and serve new communities and regions in the five countries in which we operate. Our work is built on the use of technology at the intersection of education and entrepreneurship.

The curriculum at YTF Academy, as well as the programs we undertake with partner organizations, are built around developing the knowledge and skills of our beneficiaries in these areas.



# Letter from the President & CEO, Youth for Technology Foundation

Dear Friends,

2016 was an interesting year, and one of great milestones for YTF. Technology is playing an ever-increasing role in everyone's life. As a result, the workforce is becoming far more global, more digital, and increasingly self-employed. Digital technology is giving us an incredible opportunity to change the trajectory of youth and women, by equipping them with the skills and know-how to transform their communities. Our goal is to help people become future-ready: to prepare them to enter the workforce of tomorrow.

I started YTF as the organization where I want to work forever. We know that sustainability and discipline are so important. People are at the center of everything we do, and the technology is what inspires us.

## Education

Our education model is one of cooperation, appreciation, and learning to constantly improve: characteristics that enable the next generation to value the experience and perspective that each person brings to their work, to their community, and to the world at large. Together, we are making a tremendous impact in the lives of under-represented youth, particularly girls and women, by providing high-quality education and entrepreneurship programming. 2016 was welcomed with our entry into the US market, with the launch of 3D Printing Academy for Girls in West Louisville, Kentucky.

Research shows that girls disengage from science, technology, engineering, and math (STEM) during their middle-school years, despite strong interest. Furthermore, girls who know a woman who has a STEM career are 40% to 50% more likely to pursue a STEM career. Vulnerable low-income girls have less exposure to STEM education and are less likely to know women who are successful in STEM careers. Thus, these girls are at significant risk of missing the opportunity to fulfill their potential.

The students in West Louisville are less likely than the other students in the Jefferson County, Kentucky, public schools to participate in STEM fields: 55% of students in West Louisville are below grade level in math/algebra, and 68% are below grade level in science/biology.

3D Printing Academy for Girls uses the power of disruptive technologies, like 3D printing, to inspire middle-school-age girls to pursue careers in STEM. Key to STEM success for girls is experiential, hands-on learning. Also crucial is interaction with positive, successful women who have built careers in STEM fields. We are grateful to partners like Autodesk, Makerbot, Solidworks Education, McNeal & Associates, HP, and General Electric, who shared their employees' time and talent with us in the classroom and as mentors to our students. Twelve-year-old Kansas shared how the program boosted her confidence in STEM and gave her an understanding that she can do anything she sets her mind to.

YTF Academy continues to deliver significant results. Over 8,000 youth participated in after-school programming across our footprint. For us, the most important thing is that we are teaching young people how to learn. In addition to upskilling youth with the hard, technical skills, we know that the soft skills (communication, teamwork, empathy) are the hardest to learn and are equally as important as we look into the future of work. In September, we announced our \$3.2 million, 3-year Clinton Global Initiative Commitment to Action project to provide comprehensive, in-demand technology skills and mentorship for 6,000 Nigerian girls at risk of human trafficking: the third most common crime in Nigeria and common in many other African countries. Girls like 16-year old Adaugo will be able to benefit from this training in her local community, training that replaces economic disparity with economic opportunity.

## Entrepreneurship

With support from the Cherie Blair Foundation for Women, we launched a Mobile Financial Services for Women program. This program has given 2,500 women entrepreneurs in Nigeria the opportunity to become agents in the retail network of First Bank Nigeria. These women will provide banking services to thousands, enabling customers to register accounts, make deposits, and pay bills via a simple mobile handset. Our program provided tailored training and capacity, building support on key business skills, such as financial management and managing customer relationships.

In the Women Entrepreneurs and Mobile Value Added Services program, we provided finance, marketing, operations, and communications training to 1,800 women entrepreneurs across 4 industries: wholesale and retail, light manufacturing, hospitality, and social services. Entrepreneurs like Mrs. Afoma, owner of Hair Wizard Salon and Spa, continue to inspire us. She started her business with a simple idea to transform the beauty industry, but with no start-up capital. Today, she employs over 30 women from the local community. In partnership with MasterCard, we debuted her inspiring story, the Beauty of Financial Inclusion in May at the World Economic Forum on Africa.

I'm thrilled to embark on this next year, and I'm immensely grateful to all of those who have believed in us over the years and who continue to do so. Thank you for your support, for bringing us into your lives, and for making our work so rewarding.

While we're proud of all that we've achieved, this is just the beginning. Thanks for journeying with us and for believing in a cause greater than you and I – that access to technology should be a basic human right.

To Impact,  
Njideka Harry  
President & CEO

# Bringing Value and Empowerment – Perspective from Alessandra DiLorenzo, YTF Board Member

I come from a world of analog and proximity, where things were a bit more real and less scalable as a result. Things have changed dramatically, as people communicate and interact with each other in massively different ways than what was normal when I was growing up.

I'm encouraged knowing that YTF has been along for the ride since 2000, and is positioned to continue helping vulnerable people with huge potential navigate this changing technological landscape.

I lived in Nigeria throughout the 90's in a town called Port Harcourt, where my family and I were expats with one of the international oil companies operating locally. As a family, we tried to bring value to local communities by helping in sustainable ways. My parents taught me that the biggest gift is knowledge and education: it's green, it's sustainable and it self grows!



Had YTF been around at the time, I think we would have helped so many more children gain access to education and help spur progress across that region.

From that experience, I've come to believe that bringing connectivity into rural and disconnected areas of the world is an incredible force multiplier, especially boosting critical advancements like mobile technology and access to data.

Internet connectivity provides the spark for any enthusiastic and eager individual to learn and grow. Connectivity means connecting to the world, which is the biggest gift one can give and receive. If you couple that with YTF's guidance and specific programs that cater to real needs, connectivity becomes not only powerful but also extremely interesting from a social perspective.

This is even more important for girls. Some of the conditions women endure are simply unacceptable, but are so culturally rooted that they are difficult to break down. However, I'm convinced that through access to education and information, and with time, girls will grow into empowered women who can stand up for their rights and free themselves. I think connectivity can play a massive role.

It's also been inspiring to see YTF's programs fuel the future of work, particularly as we see the rise of the gig economy. I believe that self-starters, particularly individuals supported by strong education backgrounds, can become entrepreneurs that will bring jobs. How? People who understand local issues and can bring tangible solutions through technology advancements will create products, solutions or services that others will need and consume, creating jobs for members of their communities.

Looking ahead, I see 3D printing as an amazing new opportunity for the world, helping us bridge the digital world back into the physical and opening up massive opportunities for product development.

With this in mind, it's particularly exciting to see YTF expand into the U.S. market with programs like 3D Printing Academy for Girls. For girls (and for boys), this technology could be an opportunity to create something unique, to bring new products to market and perhaps inspire someone to launch a start-up!

The world is our oyster, especially as we continue believing in the power of education and technology to bring about good things. Programs like those facilitated by YTF are hitting the nail on the head, bringing value where it's needed most and empowering the weaker parts of our global society to step up and bridge the inequality gap.

**Alessandra DiLorenzo**  
YTF Board of Trustees



# Milestones & Accomplishments

**1.6 million**

Women & youth trained

**14,000**

Businesses created & expanded

**4,500**

Communities Served



## Where We Work



Colombia



Kenya



Nigeria



Uganda



United States



# Cause Impacts

## Impact:

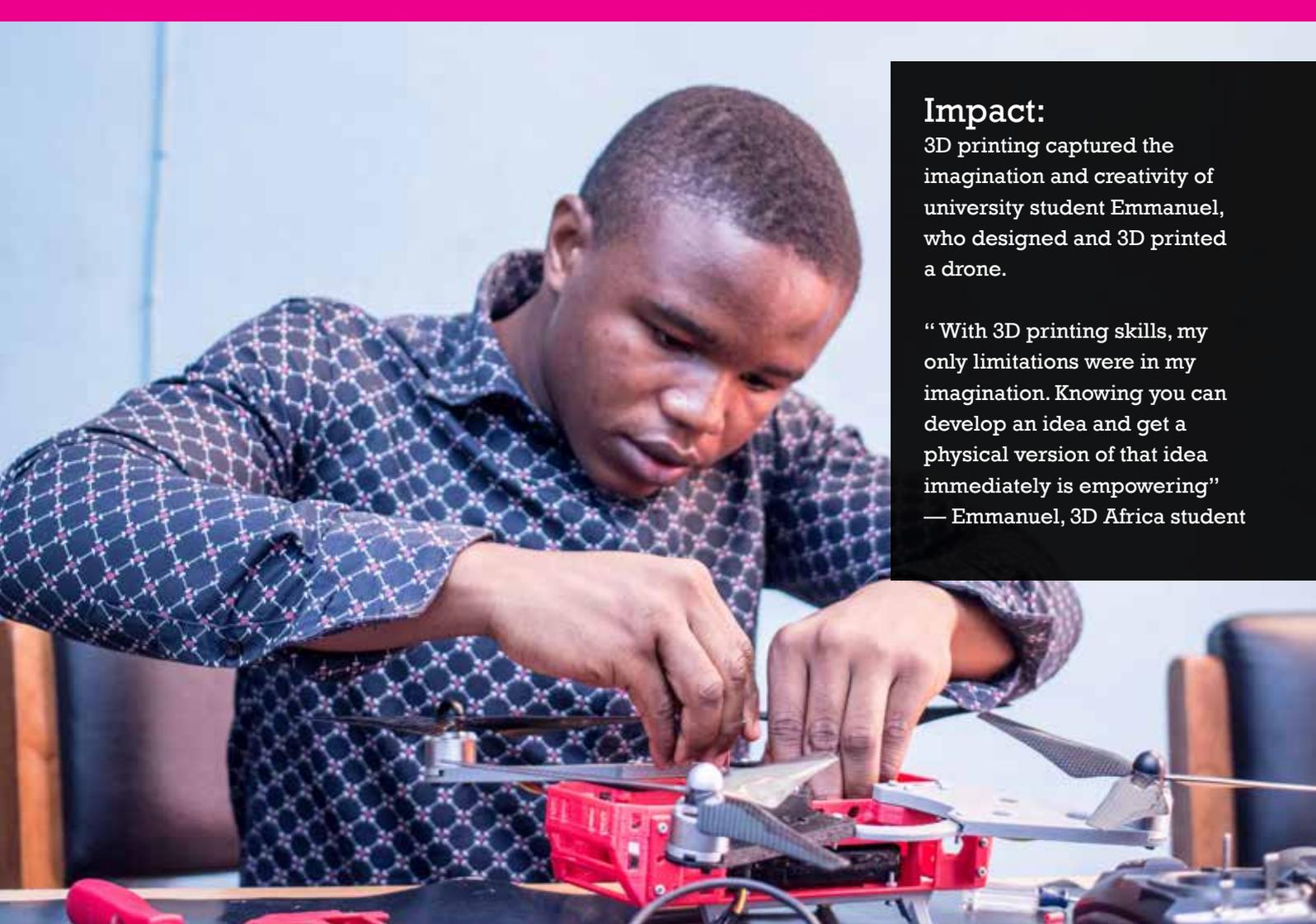
“I desired to develop myself so that I can be more employable.”

—Precious, YTF Academy graduate

## Education: YTF Academy

In 2016, YTF Academy programs served 8,220 participants in Nigeria, Kenya, Uganda and Colombia, providing highly sought, in-demand technology and innovation skills. Ninety-six percent of participants transition to higher education and employment that, on average, pays three times more than what nonparticipants earn.

- In Nigeria, 32 percent (21.6 million) of the children of primary school age are not in school. Thus, Nigeria has Africa's highest rate of unschooled children. Worldwide, Nigeria is second only to India in the percentage of unschooled children. In contrast, 98 percent of boys and 90 percent of girls who take part in YTF Academy make the transition to secondary school, and 96 percent go on to higher education within two years.
- Only 8 percent of Kenya's engineers are female. YTF Academy inspires girls to choose STEM careers, with 75 percent of YTF graduates choosing careers in a STEM-related field.
- A mere 12.5 percent of university graduates in Nigeria find gainful employment upon graduation. YTF Academy programs increase technical and employability skills that result in attainment of competitive in-country jobs.
- YTF Academy continues to deliver significant results. In adopting an even stronger gender focus in 2016, YTF ensures that girls and women will have equal opportunities and strong skill sets to be in the driver's seat of their own education, employment, and business development.



## Impact:

3D printing captured the imagination and creativity of university student Emmanuel, who designed and 3D printed a drone.

“With 3D printing skills, my only limitations were in my imagination. Knowing you can develop an idea and get a physical version of that idea immediately is empowering”  
— Emmanuel, 3D Africa student

## Education: 3D Africa

3D Africa inspired 40 youth and women entrepreneurs in Nigeria to create new products and to innovate existing product lines.

- The labor market in sub-Saharan Africa fails to offer sustainable livelihood opportunities for young people. The young are predominantly trapped in low-growth, low-innovation businesses that make use of older technology or no technology.
- Entrepreneurship is the greatest source and hope for sustainable employment and income generation.
- The use of 3D printing allows women entrepreneurs to use local materials and has resulted in business savings (eliminating the need to travel to China or Italy to buy materials) and increased customer service (allowing businesses to tailor products to customer's unique specifications or preferences).
- The 3D printing industry is estimated to grow from \$3.1 billion (2013) to \$33 billion (2023)—one of the fastest-growing income-generation opportunities for sub-Saharan Africa.
- YTF is the only social enterprise leading the way by teaching youth, girls, and women to use 3D printing and global online marketplaces to create and grow their businesses.

3D Africa is pioneering a maker movement across the African continent to inspire young people to create the world they want to see and to use innovation to develop their own entrepreneurial businesses.



## Impact:

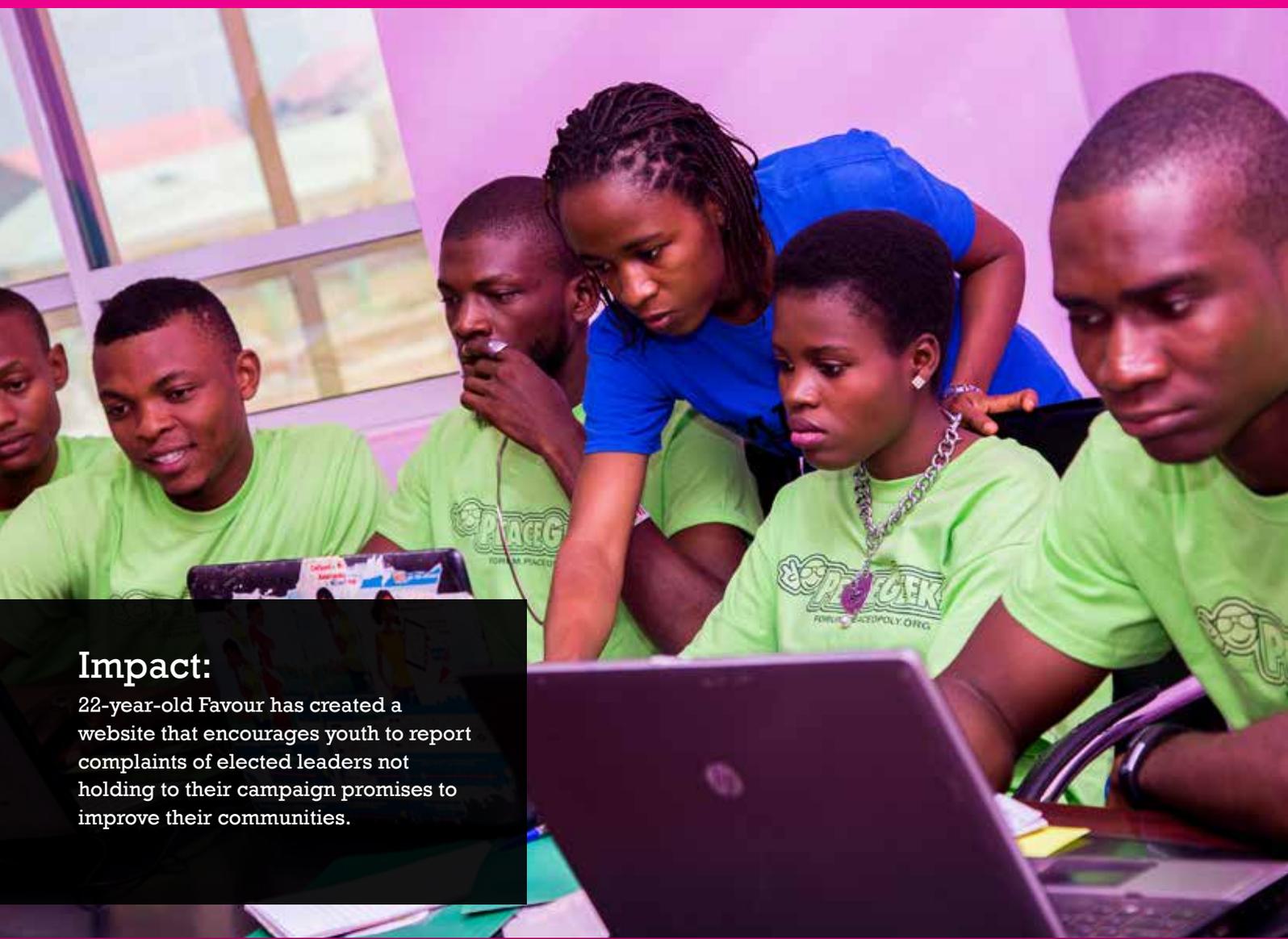
12-year-old Chloe learned all about 3D printing, what it does and how it works. “I love making stuff, so this technology is awesome,” she said.

## Education: 3D Printing Academy for Girls

We piloted our first US program in Louisville, Kentucky, by teaching 3D printing to 30 middle-school girls.

- Many girls disengage from science, technology, engineering, and math (STEM) during their middle-school years. Enrichment programs, such as YTF's 3D Printing Academy for Girls, can help keep girls interested in STEM and can encourage girls to pursue careers in STEM.
- Only 24 percent of the people employed in computer sciences in the US are women (only 8 percent are African-American women and 7 percent are Latina).
- Only 15 percent of engineers in the US are women (just 5 percent are African-American women and 8 percent are Latina).

3D Printing Academy for Girls was created to provide STEM inspiration for girls by encouraging them to invent, design, and make the world that they envision for themselves. Not only are the girls introduced to all things 3D printing, but they have opportunities to be mentored by women in technology and engineering.



## Impact:

22-year-old Favour has created a website that encourages youth to report complaints of elected leaders not holding to their campaign promises to improve their communities.

## Education: PeaceOpoly

We reached more than 5,000 youth in PeaceOpoly programs, teaching youth to understand civic issues and government responsibility and to respond peaceably.

- Government institutions are “neither accountable nor responsive to the poor,” “not accountable to anyone,” and “accountable only to the rich and powerful.”
- For many years, elections in Nigeria and indeed all over sub-Saharan Africa have been rigged.
- Citizens often do not participate in the electoral process, because of corrupt or inefficient polling officials, fear of election-related violence, use of thugs and intimidation, inaccurate ballots, lack of knowledge about voting rights, lack of voter registration, limited polling places, and partisan intimidation.

PeaceOpoly trains youth as PeaceGeeks to participate in nonpartisan, evidence-based voter registration and election observation and to detect patterns of governmental accountability. Youth are trained to use technology to respond in peaceable ways. Youth learn how to advocate for their community and for accountable government through the use of mobile apps, social media, websites, presentations, community skits and events, and advocacy campaigns. Youth learn comprehensive technology and communication skills for the purpose of bettering their nation, state, and community.



### Impact:

13-year-old Mariella in Colombia learned how to use social media and digital communication tools, creating presentations on critical issues in her community, such as teenage pregnancy and violence against women.

## Education-Related Activities: Girls in ICT Day

More than 650 girls took part in three international Girls in ICT Day events that we sponsored in Nigeria, Kenya, and Colombia.

- Cultural and systemic biases discourage girls from realizing their full potential.
- 97 percent of girls who attend YTF's events say that they "want to make the world a better place."

Girls in ICT Day is designed to encourage and inspire girls to pursue careers in information and communications technology (ICT) fields. YTF's Girls in ICT Day offers girls the rare chance to experience the latest technology, learn about ICT careers, and be inspired by women leaders in ICT.



### Impact:

14-year-old Shalom at Superstar International Education Centre has learned 3D modeling (123D Design) and 3D printing. The 3D Africa Club at her school has spurred her interest in pursuing a STEM-related major at university and to work in the field. She says that the knowledge from 3D Africa Clubs will expand the number of students who pursue higher degrees and careers in STEM and increase the STEM-competent workforce fields. "I am inspired to pursue a career in STEM!"

## Education-Related Activities: 3D Africa Clubs in Secondary Schools

We served 200 secondary school students by encouraging, inspiring, and motivating them to stay in school, enroll in university, and pursue in-demand STEM careers.

3D Africa Clubs use hands-on, inquiry-based, student-centered pedagogy that builds such employability skills as problem-solving and collaboration skills, which are greatly needed in the real-world workplace.

In addition to serving students, 3D Africa Clubs also teach teachers how to integrate technology into their instruction and how to teach employability skills. Students often take part in the teacher-training programs and then help their teachers teach these skills.

- Nigeria's new national curriculum focuses on more student-centered pedagogy and mandates the teaching of computer and technology skills, employability skills, and entrepreneurship.
- Many schools continue to use strongly teacher-directed instruction that relies heavily on rote and repetition. They have yet to incorporate technology and employability skills.
- Cultural and systemic biases continue to discourage girls from studying STEM topics—even though their interest is very strong.



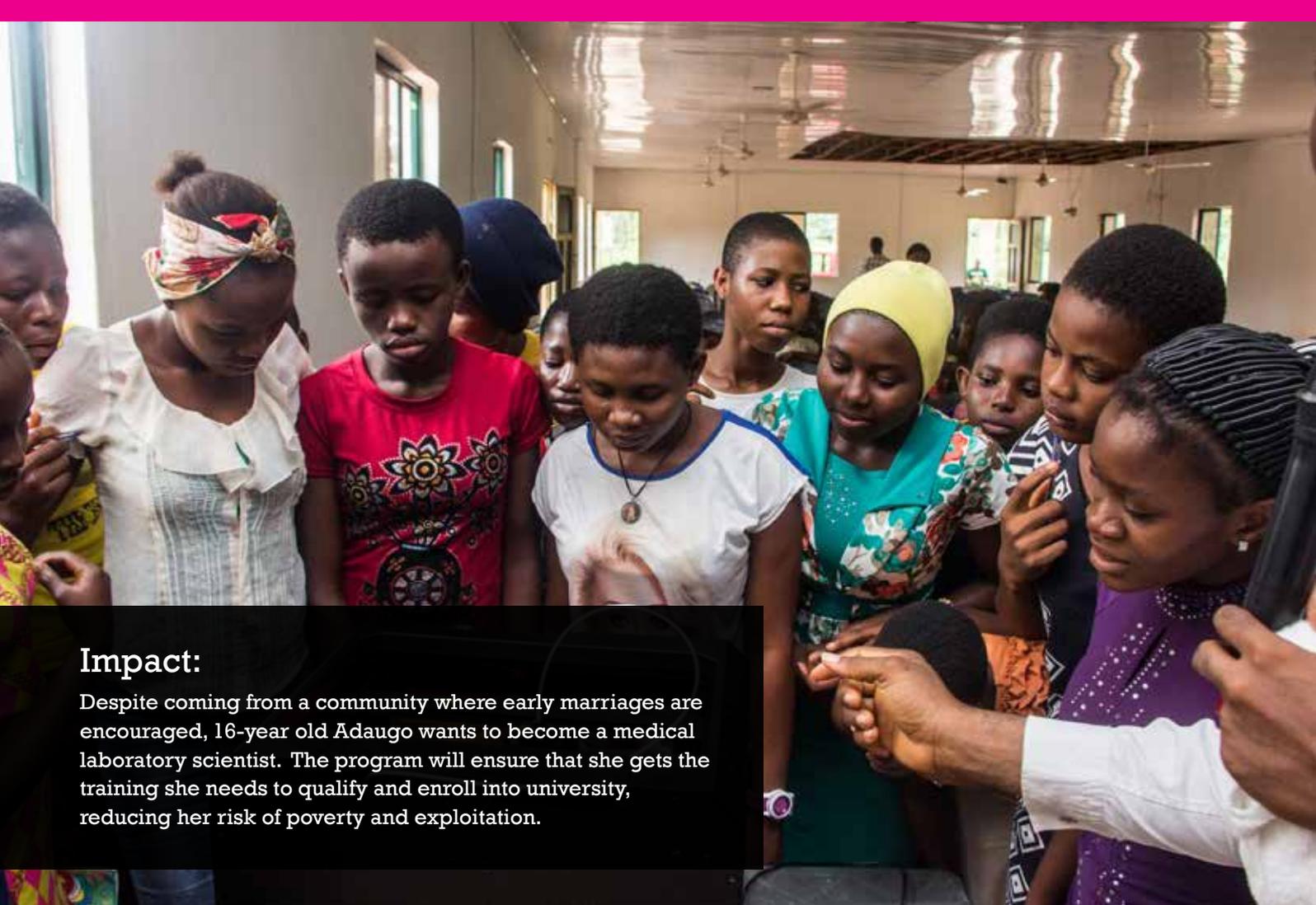
### Impact:

10-year old Anjali wants to become a pilot to address the cultural stereotypes that girls cannot pursue science and technology related fields. While pursuing that career goal, she wants to start a business to create educational cartoons in Scratch for children. “My cartoons will educate children on the consequences of using drugs and alcohol and skipping school. Learning Scratch has been fun and easy.”

## Education-Related Activities: Africa Code Week

We taught coding to 1,100 secondary school students—mainly girls—in Nigeria, Kenya, and Uganda.

- Many adolescent girls in Africa begin to disconnect from STEM because of cultural messages, poor primary-to-university schooling experiences, or absence from school.
- This disengagement from STEM during the adolescent years can be reversed by providing enrichment opportunities, problem-based learning, and hands-on learning and by empowering girls to solve real-life problems.
- The focus of Africa Code Week is “to empower future generations with the coding tools and skills they need to thrive in the 21st century workforce and become key actors of Africa’s economic development.” At YTF, participants are encouraged to develop technology-enabled solutions to meet local needs.



### Impact:

Despite coming from a community where early marriages are encouraged, 16-year old Adaugo wants to become a medical laboratory scientist. The program will ensure that she gets the training she needs to qualify and enroll into university, reducing her risk of poverty and exploitation.

## Education Commitment: 3D Printing; Freedom from Human Trafficking for Nigerian Girls

In September 2016, YTF announced its \$3.2 million, 3-year Clinton Global Initiative Commitment to Action that provides comprehensive in-demand technology skills and mentorship with women entrepreneurs for 6,000 Nigerian girls who have survived, or who at risk of, human trafficking. YTF began the program at the end of 2016 with 30 girls.

- Although some parents believe that their daughters will have a better life, more education, and an escape from poverty if they go to live with friends or relatives in urban centers, the girls often end up being trapped into human trafficking.
- Human trafficking has increased by 48 percent and is the third most common crime in Nigeria.
- Many girls are at risk of being kidnapped and forcibly held in “baby factories”—illegal maternities where girls are locked up in small inhospitable rooms, not allowed human contact, and subjected to all manner of forced labor, servitude, drugs, and threats, in addition to suffering sexual violence.
- Newborns are commodities sold to the highest bidder, who either illegally adopts or resells them—every day, at least 10 children are sold.
- After giving birth, girls are frequently re-impregnated.



## Impact:

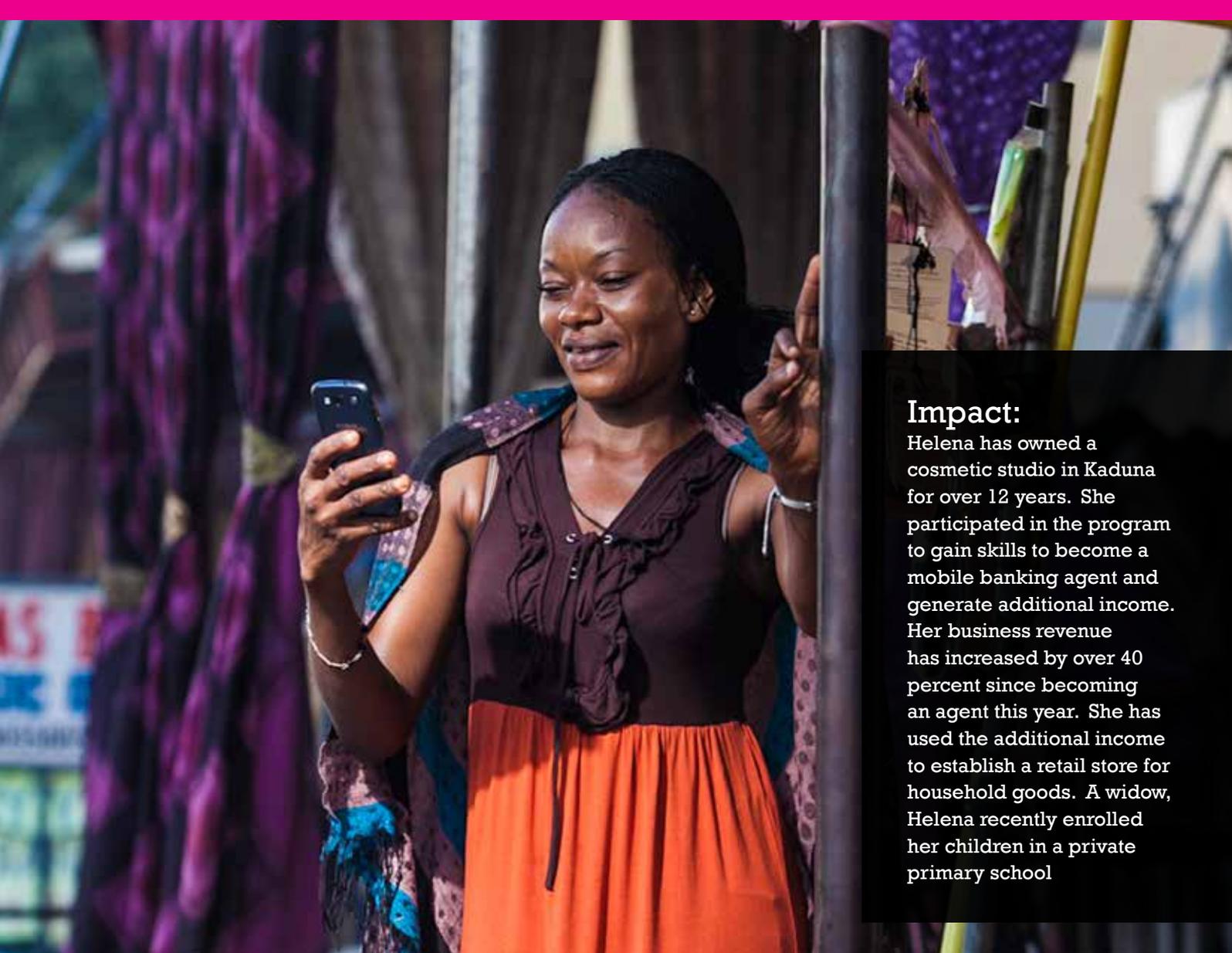
Afoma owns Hair Wizard, a premier spa and beauty salon. Thanks to the training she received from YTF she now uses electronic payments in her business. She receives weekly business tips through SMS-based messages on her phone with lessons on business basics, leadership, money management, sales and marketing.

## Entrepreneurship: Women Entrepreneurs and Mobile Value-Added Services

We provided training in financial skills and business capabilities as well as providing mobile business resources for 1,800 women entrepreneurs in businesses like wholesale/retail, light manufacturing, hospitality, and social services across 8 states in Nigeria.

- Entrepreneurship is the greatest source and hope for sustainable employment and income generation.
- Between 2010 and 2013, the number of entrepreneurial businesses in Nigeria more than doubled: rising from 16.1 million to 37.1 million.
- Although rates of financial inclusion among women have grown from 26 percent to 34 percent, financial inclusion has increased even more among men (from 33 percent to 54 percent)—furthering gender disparities.
- Women have lost ground in main industries as larger numbers of men found employment or started businesses.

Since the 2012 launch of Women Entrepreneurs and Mobile Value Added Services, YTF has conducted more than 1,200 workshops on financial skills and business capabilities, training 10,823 women entrepreneurs. Within six months after participating in these workshops, the women began 180 new businesses and expanded 450 existing businesses, creating approximately 1,050 jobs and generating \$6.2 million in new revenue.



### Impact:

Helena has owned a cosmetic studio in Kaduna for over 12 years. She participated in the program to gain skills to become a mobile banking agent and generate additional income. Her business revenue has increased by over 40 percent since becoming an agent this year. She has used the additional income to establish a retail store for household goods. A widow, Helena recently enrolled her children in a private primary school

## Entrepreneurship: Mobile Financial Services for Women (MFSW)

YTF believes that no woman should be left unbanked. In 2016, we trained 2,500 women to be mobile banking agents.

- Of the 64 percent of Nigerians who are unbanked, 73 percent are women.
- Lack of an accessible banking institution is the main reason why so many Africans continue to remain unbanked.
- Nigeria has a 92 percent mobile phone ownership rate—the same rate as the US.
- Mobile banking agents enable remote access to financial services.

YTF invests in young people and invests in their mothers—the women in the community are the economic pillar in the societies YTF serves. Women, in turn, invest 90 percent of their income in their family's education, health, and well-being. By adding a mobile branchless banking agent and mobile financial services to their existing businesses, these women entrepreneurs seamlessly enter the rapidly growing mobile money sector and, in turn, reach thousands of other women with mobile financial services.



### Impact:

Chika learned about the importance of business diversification, not necessarily within the same line of work. She is a poultry farmer; and thanks to inspiration from YTF, she opened a recording studio to diversify her income.

## Entrepreneurship-Related Activity: International Women's Day

On International Women's Day in 2016, we hosted 50 women entrepreneurs in Nigeria for a workshop entitled Step It Up for Gender Equality. During the workshop, YTF presented a module on business planning and diversification, emphasizing the importance of leveraging newer technologies to expand their businesses and to diversify their product offerings.

## Partner Engagement: Bringing the Private Sector into the Classroom

Around the world, businesses face a serious conundrum: high levels of youth unemployment and a shortage of job seekers with critical skills. YTF addresses this challenge by intentionally connecting youth to real-world businesses. Through this interaction, youth learn problem-solving skills to meet the needs of future employers.

Bringing people from the private sector into the classroom is valuable because it connects classroom learning to real-world applications, enriches the student experience, and inspires and motivates students to seek training or further education. In 2016, MasterCard and Safaricom employees actively engaged with YTF Academy students in their classrooms in Nairobi, Kenya.



## Global Reach: McCain Institute for International Leadership

YTF hosted a Next Generation Leadership Fellow as part of the McCain Institute for International Leadership program at Arizona State University. Narges Khoramshahi spent a year in our US offices, where she was involved in program planning and delivery and YTF's community engagement efforts in the US.



## Publications

YTF's work in deploying appropriate technology solutions and upskilling youth and women in education and entrepreneurship is recognized globally. We are honored to have contributed to and to have been featured in the following publications in 2016:

- **GE Guest Blog (GE Reports):** "Njideka Harry: Fourth Industrial Revolution Lies at the Intersection of Education and Entrepreneurship in Africa" (January 20, 2016).
- **Accenture:** "Private Sector Landscape Analysis of Nigeria – Empowering Women and Girls Through Partnerships" (February, 2016).
- **GE Guest Blog (GE Reports):** "Njideka Harry: Their Toolbox Runneth Over. Training is Key to Bridging Africa's Skills Gap" (May 14, 2016).
- **MIT Innovations:** "Njideka Harry's 5P's for Using Tech To Serve" (October 25, 2016).
- **Ventures Africa:** "Njideka Harry Talks Inclusivity in Tech, Entrepreneurship, and 3D Printing" (December 30, 2016).

## Speaking Engagements

2016 was a full year, and we enjoyed every moment learning from and sharing with others through our participation in various stakeholder engagements all over the world. We are honored to have been invited to speak at and participate in the following events:

- **February—Spain:** YTF's President & CEO, Njideka Harry, attended the GSMA Global Mobile Awards, where our program, Mobile Financial Services for Women, was a finalist. In partnership with the Cherie Blair Foundation for Women and First Bank of Nigeria, YTF implemented the Mobile Financial Services for Women program in Nigeria.
- **April—Kenya:** YTF's President & CEO, Njideka Harry, was a panelist in "Have We Moved the Needle at All? Thoughts From ICTD and Gender Experts" at the 2016 ICT4D conference in Kenya.
- **May—Rwanda:** YTF's President & CEO, Njideka Harry, was a member of the Digital Transformation of Industries panel, which explored how best to enable markets and empower individuals in the digital economy.
- **May—Kenya:** YTF Kenya Country Manager, Joe Kamau, led a group discussion and site visit with MBA students from Northwestern University/ Kellogg School of Management as part of their Global Initiatives in Management social impact class. During their visit, students met with socially minded start-up organizations, including YTF, in Nairobi.
- **July—Nigeria:** Nigeria Country Manager, Uche Ajuonuma, delivered a presentation at TechPlus2016. His presentation, "STEM: A Cornerstone of a Nation's Development" highlighted YTF's innovative work with emerging technologies such as 3D printing to bridge the gender gap in STEM.
- **August—Ghana:** YTF's President & CEO, Njideka Harry, was a panelist in the "Digital Skills and Education" panel at the Africa Summit on Women and Girls in Technology. The focus of this discussion was centered on efforts to bridge the digital gender gap and how technology policy can further the rights and interests of African women and girls.
- **September—United States:** YTF's President & CEO, Njideka Harry, was a panelist in the "Connectivity" panel at the Clinton Global Initiative Annual Meeting in New York City.
- **September—United States:** YTF's President & CEO, Njideka Harry, spoke at a High-Level Ministerial Panel ("Accelerating Innovation for Sustainable Development") organized by the Governments of Finland and Tanzania and supported by UN Women and UNICEF.
- **September—United States:** YTF's President & CEO, Njideka Harry, gave a microtalk entitled "Talent Is Everywhere, Opportunity Is Not" at the Aspen Network of Development Entrepreneurs (ANDE) annual meeting in Washington, DC.

## STORIES

# Our Stories

Our programs have helped make an impact in the lives of thousands, from beneficiaries and clients to the people who work with us to provide training and mentorship. Here are a few of their stories.



## Maduabuchi

Maduabuchi is 20 years old and is a YTF Academy alumnus. He is currently enrolled in the university, studying civil engineering. The digital literacy training and entrepreneurship skills he acquired in YTF are helping him in his studies. He can type his term papers, conduct research online, and use social media to interact with friends. The Internet is now his textbook for civil engineering. He is also using his computer-aided design (CAD) skills to help with his civil engineering work in school.



## Emmanuel

22-year-old Emmanuel had applied to the university three times, without success. He then enrolled in YTF Academy. Shortly afterward, he gained admission to the university, to study economics. In addition to his studies, he works as a computer instructor at a local primary school. He also contracts his digital skills out to local schools, helping them create their exams on the computer. He attests that YTF opened doors for him in education and in helping him find a job, "It was not until I came to YTF, that I knew just how useful technology was to help me find and keep a job."

## Fidel

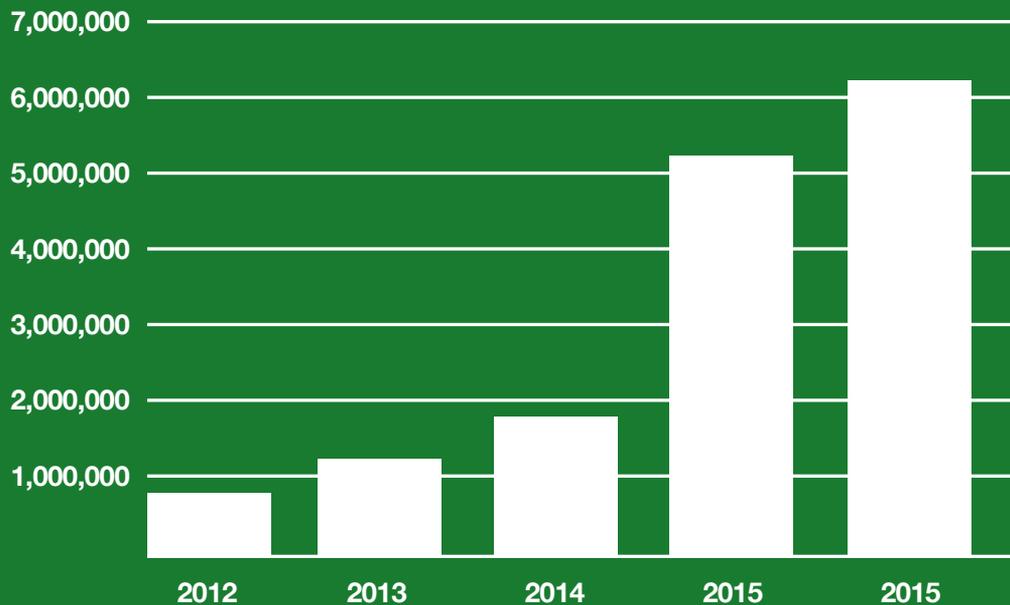
20-year-old Fidel is a student in YTF Academy and is his parents' youngest child. Currently awaiting admission into the university, he wants to be a laboratory scientist. He says that YTF Academy inspired him to learn to use technology for social change. He has also taken his knowledge out to the communities as a peer mentor and trains other youth in his community who are not digitally literate.



# 2016 Consolidated Financial Overview: An Impressive Record of Growth and Impact

We are very grateful to the individuals, corporations and foundations who continue to support our cause. Diversified sources of funding, expertise, pro bono services and mentoring support have enabled YTF to reach over 1.6 million youth and women since our inception around the world.

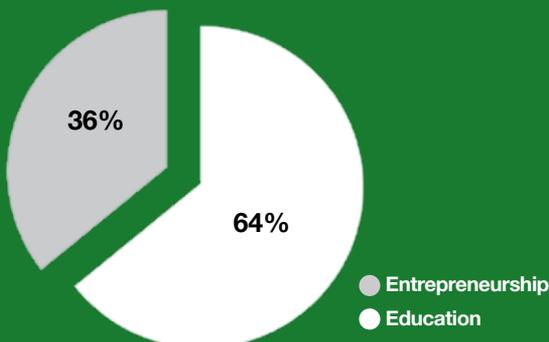
## Contributions and Grants in \$USD, 2012-2016



### Education + Entrepreneurship Allocation

We believe that education and entrepreneurship are powerful forces to curb poverty particularly in low income and developing countries. Our education initiatives such as YTF Academy, 3D Africa and 3D Printing Academy for Girls accounted for 64% of our total expenditure while the other 36% was allocated towards YTF's entrepreneurship initiatives.

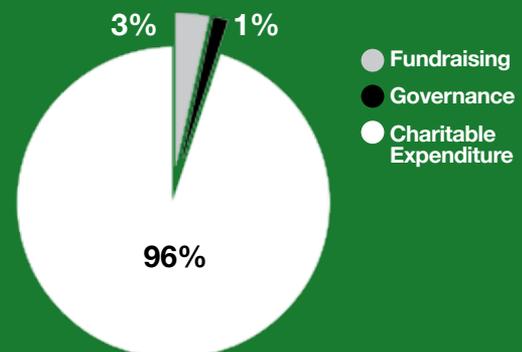
### Program Resource Allocation



### Disciplined Cost Control Breakdown of Total Expenditure

Donations from a diversified base of funding sources help supplement program related costs, including scholarships for students. In the last financial year, 96% of our total expenditure went directly towards program related activities. Here is how YTF put your donations to work in 2016.

### Breakdown of Total Expenditure



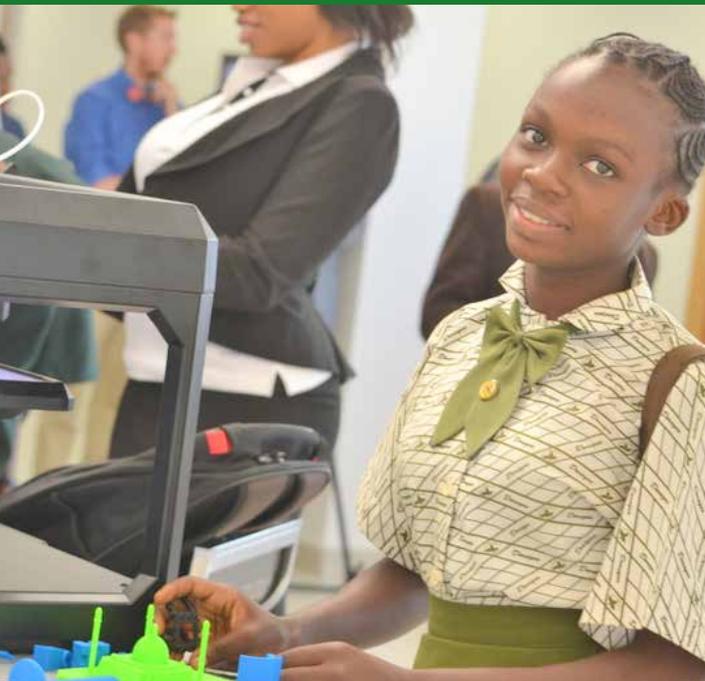
## LOOKING AHEAD — THE NEXT DECADE

Year-over-year goals help us keep a steady drumbeat of progress, but we're also thinking big. Over the next ten years, YTF's reach and impact will grow exponentially.

**“We believe that the future belongs to the creators, innovators and people whose creativity will change the world for good.”**

- NJIDEKA HARRY, PRESIDENT & CEO

### Our organization exists to serve these goals:



- Build human capital and capacity through investment in education, training and technology
- Partner with communities to establish centers which facilitate access to information and offer real opportunities to local communities
- Increase civic participation for people in underserved areas, helping them gain a greater voice in their community's development
- Empower people to actively participate in the development of their community and assist the development of viable rural economic enterprises that will create opportunities for people, especially youth and women, to improve their economic standing
- Promote knowledge and skills through learning and the effective use of technology

### We Won! Our #MakerMilestones Story

In June of 2016, MakerBot launched a #MakerMilestones contest. Our 3D Africa program uses MakerBot printers, so we jumped at the chance to enter.

We were proud to share the story of how a group of girls in Nigeria worked with a client to identify a problem, design a solution, and create a customized 3D printed product for a YTF donor. Their teamwork through 3D Africa embodied MakerBot's call for showing the positive impact of 3D printing, particularly in education.

With the help of our fabulous YTF community, our story was amplified across social media channels, catching the attention of MakerBot and resulting in a winning entry. We are especially grateful for our prize – a new MakerBot 3D printer!

## SPECIAL THANKS

# Our Partners

We are so grateful to our board members, who have worked alongside our team and our loyal network of donors and partners to unleash the full potential of our clients: underserved youth and women in low-income and developing-world communities.



## Spotlight: Private-Sector Employees and Groups

**GE Haier:** GE employees donate their time and talent as part of YTF's 3D Printing Academy for Girls in the US. We believe that for girls to aspire towards STEM careers, it is important that they see women in STEM ("you can't be what you can't see"). Women in technology at GE Haier help fill the gap. In addition, YTF benefits from the GE Annual Employee Giving Campaign.

**MasterCard:** In Kenya and Nigeria, MasterCard employees donate their time and talent as instructors to our YTF Academy students to our YTF Academy students. One way to bridge the skills gap in Africa is to bring people from the private sector into the classroom. We are doing just that!

**Safaricom:** In Kenya, Women in Technology at Safaricom donate time as mentors to our female students in our partner schools. Our students also are invited to technology inspired events at Safaricom to present or connect with successful female mentors in the industry.

**Society of Women Engineers/University of Louisville:** In the US, students from the Society of Women Engineers donate their time as instructors and mentors as part of 3D Printing Academy for Girls.

## Spotlight: The YTF Board of Trustees

Thank you to our Board of Trustees, who have sustained YTF over the last 16 years with leadership, strategic insight, and support.

Dr. Irving Lee Rother, PhD, McGill University

Ms. Silvia Lovato, PhD Candidate, Northwestern University

Ms. Alessandra Di Lorenzo, Chief Advertising Officer, Lastminute.com

Mr. Telema Harry, Chief Technology Officer, YTF

Ms. Katherine Maher, Executive Director, Wikimedia Foundation

Mr. Don Okonny, CEO, Sagamy

Mr. Leo Osahor, CEO, FlightSpeak

Mr. Bambo Sofola, Director, Microsoft

Mr. Alex Yancher, CEO Pantry

Mrs. Njideka Harry, President and CEO, YTF

## Join YTF

The work we do is essential to the future of our global community, and we need your help to change even more lives. Here are a few ways you can make a difference:

### Donate Your Time & Talent

We always need the help of smart, enthusiastic volunteers who share our vision. Designers, technologists, mentors, finance/operations gurus, business analysts and more are all welcome.

### Share Equipment

Giving students physical, hands-on access to devices and technologies is an integral part of the programs YTF supports. If you're in a position to donate or share technology equipment, talk to us.

### Fund a Program

Fundraising is the one activity that has the potential to multiply the amount of money available for the cause that we care about so deeply. 100% of donations you make as an individual go directly to the field through matching programs, annual campaigns and employee engagement.

### Get Your Company Involved

We partner with corporations for matching programs, annual campaigns, employee engagement and other fundraising ideas tailored to the business's market and brand. To get your company or small business involved in our programs, please email [corporategiving@youthfortechology.org](mailto:corporategiving@youthfortechology.org).



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